



<FR1 n77_Ant 7_Index 3> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.30		24.4
100	PI/2 BPSK	1	137		23.62		
100	PI/2 BPSK	1	271		23.35		
100	PI/2 BPSK	135	0		22.91		23.9
100	PI/2 BPSK	135	69		23.57		24.4
100	PI/2 BPSK	135	138		22.90		23.9
100	PI/2 BPSK	270	0		22.98		
100	QPSK	1	1		23.37		24.4
100	QPSK	1	137		23.55		
100	QPSK	1	271		23.35		
100	QPSK	135	0		22.46		23.4
100	QPSK	135	69		23.53		24.4
100	QPSK	135	138		22.41		23.4
100	QPSK	270	0		22.48		
100	16QAM	1	1		22.30		23.4
100	64QAM	1	1		20.85		21.9
100	256QAM	1	1		19.03		19.9
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.49	23.58	23.51	24.4
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.38	23.51	23.43	24.4
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.43	23.51	23.45	24.4
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.40	23.52	23.45	24.4
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.43	23.47	23.44	24.4
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.43	23.49	23.44	24.4
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.44	23.46	23.41	24.4
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.43	23.49	23.42	24.4
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.42	23.47	23.41	24.4
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.43	23.51	23.39	24.4
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.42	23.53	23.46	24.4



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.06		21.0
100	PI/2 BPSK	1	137		20.04		
100	PI/2 BPSK	1	271		20.04		
100	PI/2 BPSK	135	0		20.21		21.0
100	PI/2 BPSK	135	69		20.53		21.0
100	PI/2 BPSK	135	138		20.20		21.0
100	PI/2 BPSK	270	0		20.24		
100	QPSK	1	1		19.96		21.0
100	QPSK	1	137		20.03		
100	QPSK	1	271		20.01		
100	QPSK	135	0		20.21		21.0
100	QPSK	135	69		20.31		21.0
100	QPSK	135	138		20.11		21.0
100	QPSK	270	0		20.23		
100	16QAM	1	1		20.03		21.0
100	64QAM	1	1		20.03		21.0
100	256QAM	1	1		19.03		19.9
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.10	20.09	20.15	21.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.11	20.09	20.18	21.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.18	20.15	20.08	21.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.15	20.09	20.17	21.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.10	20.13	20.10	21.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.08	20.14	20.17	21.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.08	20.10	20.18	21.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.10	20.11	20.18	21.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.08	20.11	20.08	21.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.15	20.09	20.10	21.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.12	20.10	20.17	21.0



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.06		21.7
100	PI/2 BPSK	1	137		20.04		
100	PI/2 BPSK	1	271		20.04		
100	PI/2 BPSK	135	0		20.21		21.7
100	PI/2 BPSK	135	69		20.53		21.7
100	PI/2 BPSK	135	138		20.20		21.7
100	PI/2 BPSK	270	0		20.24		
100	QPSK	1	1		19.96		21.7
100	QPSK	1	137		20.03		
100	QPSK	1	271		20.01		
100	QPSK	135	0		20.21		21.7
100	QPSK	135	69		20.31		21.7
100	QPSK	135	138		20.11		21.7
100	QPSK	270	0		20.23		
100	16QAM	1	1		20.03		21.7
100	64QAM	1	1		20.03		21.7
100	256QAM	1	1		19.03		19.9
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.10	20.09	20.15	21.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.11	20.09	20.18	21.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.18	20.15	20.08	21.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.15	20.09	20.17	21.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.10	20.13	20.10	21.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.08	20.14	20.17	21.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.08	20.10	20.18	21.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.10	20.11	20.18	21.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.08	20.11	20.08	21.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.15	20.09	20.10	21.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.12	20.10	20.17	21.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		21.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.06		21.0
100	PI/2 BPSK	1	137		20.04		
100	PI/2 BPSK	1	271		20.04		
100	PI/2 BPSK	135	0		20.21		21.0
100	PI/2 BPSK	135	69		20.53		21.0
100	PI/2 BPSK	135	138		20.20		21.0
100	PI/2 BPSK	270	0		20.24		
100	QPSK	1	1		19.96		21.0
100	QPSK	1	137		20.03		
100	QPSK	1	271		20.01		
100	QPSK	135	0		20.21		21.0
100	QPSK	135	69		20.31		21.0
100	QPSK	135	138		20.11		21.0
100	QPSK	270	0		20.23		
100	16QAM	1	1		20.03		21.0
100	64QAM	1	1		20.03		21.0
100	256QAM	1	1		19.03		19.9
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.10	20.09	20.15	21.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.11	20.09	20.18	21.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.18	20.15	20.08	21.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.15	20.09	20.17	21.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.10	20.13	20.10	21.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.08	20.14	20.17	21.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.08	20.10	20.18	21.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.10	20.11	20.18	21.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.08	20.11	20.08	21.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.15	20.09	20.10	21.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.12	20.10	20.17	21.0



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.09		19.9
100	PI/2 BPSK	1	137		18.82		
100	PI/2 BPSK	1	271		18.89		
100	PI/2 BPSK	135	0		18.89		19.9
100	PI/2 BPSK	135	69		18.90		19.9
100	PI/2 BPSK	135	138		18.86		19.9
100	PI/2 BPSK	270	0		18.95		
100	QPSK	1	1		19.06		19.9
100	QPSK	1	137		18.80		
100	QPSK	1	271		18.88		
100	QPSK	135	0		18.88		19.9
100	QPSK	135	69		18.88		19.9
100	QPSK	135	138		18.81		19.9
100	QPSK	270	0		18.93		
100	16QAM	1	1		18.81		19.9
100	64QAM	1	1		18.85		19.9
100	256QAM	1	1		18.86		19.9
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.97	18.98	19.01	19.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.96	18.97	18.96	19.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.03	19.01	18.97	19.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.02	18.96	19.06	19.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.01	19.01	19.06	19.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.99	19.01	18.98	19.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.03	19.02	19.04	19.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.96	18.98	19.02	19.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.97	18.98	19.01	19.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.02	19.04	19.01	19.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.99	18.96	19.00	19.9



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.09		19.2
100	PI/2 BPSK	1	137		18.82		
100	PI/2 BPSK	1	271		18.89		
100	PI/2 BPSK	135	0		18.89		19.2
100	PI/2 BPSK	135	69		18.90		19.2
100	PI/2 BPSK	135	138		18.86		19.2
100	PI/2 BPSK	270	0		18.95		
100	QPSK	1	1		19.06		19.2
100	QPSK	1	137		18.80		
100	QPSK	1	271		18.88		
100	QPSK	135	0		18.88		19.2
100	QPSK	135	69		18.88		19.2
100	QPSK	135	138		18.81		19.2
100	QPSK	270	0		18.93		
100	16QAM	1	1		18.81		19.2
100	64QAM	1	1		18.85		19.2
100	256QAM	1	1		18.86		19.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.97	18.98	19.01	19.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.96	18.97	18.96	19.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.03	19.01	18.97	19.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.02	18.96	19.06	19.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.01	19.01	19.06	19.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.99	19.01	18.98	19.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.03	19.02	19.04	19.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.96	18.98	19.02	19.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.97	18.98	19.01	19.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.02	19.04	19.01	19.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.99	18.96	19.00	19.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		23.2
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.27		23.2
100	PI/2 BPSK	1	137		21.99		
100	PI/2 BPSK	1	271		21.96		23.2
100	PI/2 BPSK	135	0		22.00		
100	PI/2 BPSK	135	69		21.97		23.2
100	PI/2 BPSK	135	138		21.97		
100	PI/2 BPSK	270	0		22.01		23.2
100	QPSK	1	1		21.93		
100	QPSK	1	137		21.98		23.2
100	QPSK	1	271		21.99		
100	QPSK	135	0		22.04		23.2
100	QPSK	135	69		22.02		
100	QPSK	135	138		22.02		23.2
100	QPSK	270	0		21.99		
100	16QAM	1	1		21.91		23.2
100	64QAM	1	1		22.22		
100	256QAM	1	1		20.81		21.7
Channel				633000	633332	633666	23.2
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.21	22.12	22.17	23.2
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	23.2
80	PI/2 BPSK	1	1	22.16	22.20	22.23	
Channel				632334	633332	634332	23.2
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.18	22.14	22.19	23.2
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	23.2
60	PI/2 BPSK	1	1	22.15	22.16	22.14	
Channel				631668	633332	635000	23.2
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.21	22.20	22.12	23.2
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	23.2
40	PI/2 BPSK	1	1	22.19	22.21	22.17	
Channel				631000	633332	635666	23.2
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.19	22.14	22.20	23.2
Channel				630834	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	23.2
25	PI/2 BPSK	1	1	22.25	22.15	22.26	
Channel				630668	633332	636000	23.2
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.16	22.23	22.15	23.2
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	23.2
15	PI/2 BPSK	1	1	22.09	22.20	22.10	
Channel				630334	633332	636332	23.2
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.16	22.18	22.13	23.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.27		23.9
100	PI/2 BPSK	1	137		21.99		
100	PI/2 BPSK	1	271		21.96		
100	PI/2 BPSK	135	0		22.00		23.9
100	PI/2 BPSK	135	69		21.97		23.9
100	PI/2 BPSK	135	138		21.97		23.9
100	PI/2 BPSK	270	0		22.01		
100	QPSK	1	1		21.93		23.9
100	QPSK	1	137		21.98		
100	QPSK	1	271		21.99		
100	QPSK	135	0		22.04		23.9
100	QPSK	135	69		22.02		23.9
100	QPSK	135	138		22.02		23.9
100	QPSK	270	0		21.99		
100	16QAM	1	1		21.91		23.9
100	64QAM	1	1		22.22		23.7
100	256QAM	1	1		20.81		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.21	22.12	22.17	23.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.16	22.20	22.23	23.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.18	22.14	22.19	23.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.15	22.16	22.14	23.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.21	22.20	22.12	23.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.19	22.21	22.17	23.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.19	22.14	22.20	23.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.25	22.15	22.26	23.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.16	22.23	22.15	23.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.09	22.20	22.10	23.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.16	22.18	22.13	23.9



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.27		23.2
100	PI/2 BPSK	1	137		21.99		
100	PI/2 BPSK	1	271		21.96		
100	PI/2 BPSK	135	0		22.00		23.2
100	PI/2 BPSK	135	69		21.97		23.2
100	PI/2 BPSK	135	138		21.97		23.2
100	PI/2 BPSK	270	0		22.01		
100	QPSK	1	1		21.93		23.2
100	QPSK	1	137		21.98		
100	QPSK	1	271		21.99		
100	QPSK	135	0		22.04		23.2
100	QPSK	135	69		22.02		23.2
100	QPSK	135	138		22.02		23.2
100	QPSK	270	0		21.99		
100	16QAM	1	1		21.91		23.2
100	64QAM	1	1		22.22		23.2
100	256QAM	1	1		20.81		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.21	22.12	22.17	23.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.16	22.20	22.23	23.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.18	22.14	22.19	23.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.15	22.16	22.14	23.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.21	22.20	22.12	23.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.19	22.21	22.17	23.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.19	22.14	22.20	23.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.25	22.15	22.26	23.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.16	22.23	22.15	23.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.09	22.20	22.10	23.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.16	22.18	22.13	23.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.90		22.6
100	PI/2 BPSK	1	137		21.74		
100	PI/2 BPSK	1	271		21.87		
100	PI/2 BPSK	135	0		21.57		22.6
100	PI/2 BPSK	135	69		21.62		22.6
100	PI/2 BPSK	135	138		21.56		22.6
100	PI/2 BPSK	270	0		21.68		
100	QPSK	1	1		21.82		22.6
100	QPSK	1	137		21.70		
100	QPSK	1	271		21.86		
100	QPSK	135	0		21.48		22.6
100	QPSK	135	69		21.60		22.6
100	QPSK	135	138		21.49		22.6
100	QPSK	270	0		21.59		
100	16QAM	1	1		21.69		22.6
100	64QAM	1	1		21.73		22.6
100	256QAM	1	1		20.71		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.83	21.88	21.88	22.6
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.85	21.85	21.86	22.6
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.87	21.81	21.80	22.6
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.86	21.84	21.85	22.6
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.86	21.85	21.86	22.6
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.87	21.87	21.88	22.6
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.87	21.88	21.89	22.6
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.88	21.86	21.89	22.6
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.86	21.85	21.85	22.6
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.87	21.86	21.86	22.6
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.83	21.84	21.85	22.6



<FR1 n77_HPUE_Ant 5_Index 3> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.90		21.9
100	PI/2 BPSK	1	137		21.74		
100	PI/2 BPSK	1	271		21.87		
100	PI/2 BPSK	135	0		21.57		21.9
100	PI/2 BPSK	135	69		21.62		21.9
100	PI/2 BPSK	135	138		21.56		21.9
100	PI/2 BPSK	270	0		21.68		
100	QPSK	1	1		21.82		21.9
100	QPSK	1	137		21.70		
100	QPSK	1	271		21.86		
100	QPSK	135	0		21.48		21.9
100	QPSK	135	69		21.60		21.9
100	QPSK	135	138		21.49		21.9
100	QPSK	270	0		21.59		
100	16QAM	1	1		21.69		21.9
100	64QAM	1	1		21.73		21.9
100	256QAM	1	1		20.71		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.83	21.88	21.88	21.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.85	21.85	21.86	21.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.87	21.81	21.80	21.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.86	21.84	21.85	21.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.86	21.85	21.86	21.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.87	21.87	21.88	21.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.87	21.88	21.89	21.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.88	21.86	21.89	21.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.86	21.85	21.85	21.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.87	21.86	21.86	21.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.83	21.84	21.85	21.9



<FR1 n77_HPUE_Ant 5_Index 4> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.23		26.2
100	PI/2 BPSK	1	137		24.75		
100	PI/2 BPSK	1	271		24.64		
100	PI/2 BPSK	135	0		24.46		25.7
100	PI/2 BPSK	135	69		24.80		26.2
100	PI/2 BPSK	135	138		24.14		25.7
100	PI/2 BPSK	270	0		24.35		
100	QPSK	1	1		25.22		26.2
100	QPSK	1	137		24.79		
100	QPSK	1	271		24.66		
100	QPSK	135	0		24.08		25.2
100	QPSK	135	69		24.81		26.2
100	QPSK	135	138		24.05		25.2
100	QPSK	270	0		23.84		
100	16QAM	1	1		24.31		25.2
100	64QAM	1	1		22.67		23.7
100	256QAM	1	1		20.74		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.21	25.17	25.21	26.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.15	25.20	25.16	26.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.15	25.16	25.21	26.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.19	25.18	25.15	26.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.16	25.13	25.18	26.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.20	25.16	25.15	26.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.15	25.14	25.16	26.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.21	25.20	25.17	26.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.19	25.18	25.15	26.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.20	25.18	25.21	26.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.16	25.18	25.19	26.2



<FR1 n77_HPUE_Ant 5_Index 5> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.23		26.2
100	PI/2 BPSK	1	137		24.75		
100	PI/2 BPSK	1	271		24.64		
100	PI/2 BPSK	135	0		24.46		25.7
100	PI/2 BPSK	135	69		24.80		26.2
100	PI/2 BPSK	135	138		24.14		25.7
100	PI/2 BPSK	270	0		24.35		
100	QPSK	1	1		25.22		26.2
100	QPSK	1	137		24.79		
100	QPSK	1	271		24.66		
100	QPSK	135	0		24.08		25.2
100	QPSK	135	69		24.81		26.2
100	QPSK	135	138		24.05		25.2
100	QPSK	270	0		23.84		
100	16QAM	1	1		24.31		25.2
100	64QAM	1	1		22.67		23.7
100	256QAM	1	1		20.74		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.21	25.17	25.21	26.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.15	25.20	25.16	26.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.15	25.16	25.21	26.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.19	25.18	25.15	26.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.16	25.13	25.18	26.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.20	25.16	25.15	26.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.15	25.14	25.16	26.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.21	25.20	25.17	26.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.19	25.18	25.15	26.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.20	25.18	25.21	26.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.16	25.18	25.19	26.2



<FR1 n77_HPUE_Ant 5_Index 6> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.23		26.2
100	PI/2 BPSK	1	137		24.75		
100	PI/2 BPSK	1	271		24.64		
100	PI/2 BPSK	135	0		24.46		25.7
100	PI/2 BPSK	135	69		24.80		26.2
100	PI/2 BPSK	135	138		24.14		25.7
100	PI/2 BPSK	270	0		24.35		
100	QPSK	1	1		25.22		26.2
100	QPSK	1	137		24.79		
100	QPSK	1	271		24.66		
100	QPSK	135	0		24.08		25.2
100	QPSK	135	69		24.81		26.2
100	QPSK	135	138		24.05		25.2
100	QPSK	270	0		23.84		
100	16QAM	1	1		24.31		25.2
100	64QAM	1	1		22.67		23.7
100	256QAM	1	1		20.74		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.21	25.17	25.21	26.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.15	25.20	25.16	26.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.15	25.16	25.21	26.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.19	25.18	25.15	26.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.16	25.13	25.18	26.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.20	25.16	25.15	26.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.15	25.14	25.16	26.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.21	25.20	25.17	26.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.19	25.18	25.15	26.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.20	25.18	25.21	26.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.16	25.18	25.19	26.2



<FR1 n77_HPUE_Ant 6_Index 2> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.24		27.1
100	PI/2 BPSK	1	137		25.83		
100	PI/2 BPSK	1	271		26.14		
100	PI/2 BPSK	135	0		25.46		26.6
100	PI/2 BPSK	135	69		25.93		27.1
100	PI/2 BPSK	135	138		25.48		26.6
100	PI/2 BPSK	270	0		25.51		
100	QPSK	1	1		26.22		27.1
100	QPSK	1	137		25.89		
100	QPSK	1	271		26.18		
100	QPSK	135	0		24.99		26.1
100	QPSK	135	69		25.93		27.1
100	QPSK	135	138		24.98		26.1
100	QPSK	270	0		25.00		
100	16QAM	1	1		25.35		26.1
100	64QAM	1	1		23.73		24.6
100	256QAM	1	1		21.49		22.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.21	26.15	26.21	27.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.22	26.20	26.15	27.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.15	26.22	26.19	27.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.20	26.17	26.21	27.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.20	26.22	26.23	27.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.21	26.14	26.14	27.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.20	26.15	26.22	27.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.23	26.18	26.21	27.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.21	26.20	26.14	27.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.16	26.15	26.19	27.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.22	26.19	26.20	27.1



<FR1 n77_HPUE_Ant 6_Index 3> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.24		27.1
100	PI/2 BPSK	1	137		25.83		
100	PI/2 BPSK	1	271		26.14		
100	PI/2 BPSK	135	0		25.46		26.6
100	PI/2 BPSK	135	69		25.93		27.1
100	PI/2 BPSK	135	138		25.48		26.6
100	PI/2 BPSK	270	0		25.51		
100	QPSK	1	1		26.22		27.1
100	QPSK	1	137		25.89		
100	QPSK	1	271		26.18		
100	QPSK	135	0		24.99		26.1
100	QPSK	135	69		25.93		27.1
100	QPSK	135	138		24.98		26.1
100	QPSK	270	0		25.00		
100	16QAM	1	1		25.35		26.1
100	64QAM	1	1		23.73		24.6
100	256QAM	1	1		21.49		22.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.21	26.15	26.21	27.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.22	26.20	26.15	27.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.15	26.22	26.19	27.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.20	26.17	26.21	27.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.20	26.22	26.23	27.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.21	26.14	26.14	27.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.20	26.15	26.22	27.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.23	26.18	26.21	27.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.21	26.20	26.14	27.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.16	26.15	26.19	27.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.22	26.19	26.20	27.1



<FR1 n77_HPUE_Ant 6_Index 4> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.94		22.5
100	PI/2 BPSK	1	137		21.92		
100	PI/2 BPSK	1	271		21.88		
100	PI/2 BPSK	135	0		21.86		22.5
100	PI/2 BPSK	135	69		22.15		22.5
100	PI/2 BPSK	135	138		22.06		22.5
100	PI/2 BPSK	270	0		22.07		
100	QPSK	1	1		21.94		22.5
100	QPSK	1	137		21.84		
100	QPSK	1	271		21.85		
100	QPSK	135	0		21.77		22.5
100	QPSK	135	69		22.14		22.5
100	QPSK	135	138		21.98		22.5
100	QPSK	270	0		21.99		
100	16QAM	1	1		21.86		22.5
100	64QAM	1	1		21.84		22.5
100	256QAM	1	1		21.54		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.90	21.88	21.89	22.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.93	21.91	21.94	22.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.89	21.92	21.87	22.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.86	21.86	21.87	22.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.93	21.92	21.92	22.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.94	21.86	21.85	22.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.84	21.87	21.87	22.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.84	21.94	21.91	22.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.88	21.92	21.88	22.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.94	21.87	21.91	22.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.93	21.86	21.92	22.5



<FR1 n77_HPUE_Ant 6_Index 5> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.94		23.2
100	PI/2 BPSK	1	137		21.92		
100	PI/2 BPSK	1	271		21.88		
100	PI/2 BPSK	135	0		21.86		23.2
100	PI/2 BPSK	135	69		22.15		23.2
100	PI/2 BPSK	135	138		22.06		23.2
100	PI/2 BPSK	270	0		22.07		
100	QPSK	1	1		21.94		23.2
100	QPSK	1	137		21.84		
100	QPSK	1	271		21.85		
100	QPSK	135	0		21.77		23.2
100	QPSK	135	69		22.14		23.2
100	QPSK	135	138		21.98		23.2
100	QPSK	270	0		21.99		
100	16QAM	1	1		21.86		23.2
100	64QAM	1	1		21.84		23.2
100	256QAM	1	1		21.54		22.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.90	21.88	21.89	23.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.93	21.91	21.94	23.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.89	21.92	21.87	23.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.86	21.86	21.87	23.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.93	21.92	21.92	23.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.94	21.86	21.85	23.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.84	21.87	21.87	23.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.84	21.94	21.91	23.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.88	21.92	21.88	23.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.94	21.87	21.91	23.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.93	21.86	21.92	23.2



<FR1 n77_HPUE_Ant 6_Index 6> Part 27Q

Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
100	PI/2 BPSK	1	1	21.94	22.5
100	PI/2 BPSK	1	137	21.92	
100	PI/2 BPSK	1	271	21.88	
100	PI/2 BPSK	135	0	21.86	22.5
100	PI/2 BPSK	135	69	22.15	22.5
100	PI/2 BPSK	135	138	22.06	22.5
100	PI/2 BPSK	270	0	22.07	
100	QPSK	1	1	21.94	
100	QPSK	1	137	21.84	22.5
100	QPSK	1	271	21.85	
100	QPSK	135	0	21.77	
100	QPSK	135	69	22.14	22.5
100	QPSK	135	138	21.98	22.5
100	QPSK	270	0	21.99	
100	16QAM	1	1	21.86	
100	64QAM	1	1	21.84	22.5
100	256QAM	1	1	21.54	22.5
Channel	Frequency (MHz)	633000	633332	633666	Tune-up limit (dBm)
90	PI/2 BPSK	1	1	21.90	22.5
Channel	Frequency (MHz)	632668	633332	634000	Tune-up limit (dBm)
80	PI/2 BPSK	1	1	21.93	22.5
Channel	Frequency (MHz)	632334	633332	634332	Tune-up limit (dBm)
70	PI/2 BPSK	1	1	21.89	22.5
Channel	Frequency (MHz)	632000	633332	634666	Tune-up limit (dBm)
60	PI/2 BPSK	1	1	21.86	22.5
Channel	Frequency (MHz)	631668	633332	635000	Tune-up limit (dBm)
50	PI/2 BPSK	1	1	21.93	22.5
Channel	Frequency (MHz)	631334	633332	635332	Tune-up limit (dBm)
40	PI/2 BPSK	1	1	21.94	22.5
Channel	Frequency (MHz)	631000	633332	635666	Tune-up limit (dBm)
30	PI/2 BPSK	1	1	21.84	22.5
Channel	Frequency (MHz)	630834	633332	635832	Tune-up limit (dBm)
25	PI/2 BPSK	1	1	21.84	22.5
Channel	Frequency (MHz)	630668	633332	636000	Tune-up limit (dBm)
20	PI/2 BPSK	1	1	21.88	22.5
Channel	Frequency (MHz)	630500	633332	636166	Tune-up limit (dBm)
15	PI/2 BPSK	1	1	21.94	22.5
Channel	Frequency (MHz)	630334	633332	636332	Tune-up limit (dBm)
10	PI/2 BPSK	1	1	21.93	22.5



<FR1 n77_HPUE_Ant 7_Index 2> 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)
Channel					633332		26.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.30		26.5
100	PI/2 BPSK	1	137		25.59		
100	PI/2 BPSK	1	271		25.35		
100	PI/2 BPSK	135	0		24.95		26.0
100	PI/2 BPSK	135	69		25.55		26.5
100	PI/2 BPSK	135	138		24.95		26.0
100	PI/2 BPSK	270	0		24.97		
100	QPSK	1	1		25.25		26.5
100	QPSK	1	137		25.54		
100	QPSK	1	271		25.34		
100	QPSK	135	0		24.44		25.5
100	QPSK	135	69		25.54		26.5
100	QPSK	135	138		24.40		25.5
100	QPSK	270	0		24.47		
100	16QAM	1	1		24.33		25.5
100	64QAM	1	1		22.81		24.0
100	256QAM	1	1		21.11		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.26	25.29	25.24	26.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.15	25.19	25.18	26.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.15	25.17	25.19	26.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.20	25.17	25.12	26.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.15	25.23	25.15	26.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.19	25.24	25.19	26.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.17	25.20	25.17	26.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.15	25.22	25.17	26.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.17	25.24	25.13	26.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.21	25.17	25.15	26.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.20	25.23	25.16	26.5



<FR1 n77_HPUE_Ant 7_Index 3> 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)
Channel					633332		26.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.30		26.5
100	PI/2 BPSK	1	137		25.59		
100	PI/2 BPSK	1	271		25.35		
100	PI/2 BPSK	135	0		24.95		26.0
100	PI/2 BPSK	135	69		25.55		26.5
100	PI/2 BPSK	135	138		24.95		26.0
100	PI/2 BPSK	270	0		24.97		
100	QPSK	1	1		25.25		26.5
100	QPSK	1	137		25.54		
100	QPSK	1	271		25.34		
100	QPSK	135	0		24.44		25.5
100	QPSK	135	69		25.54		26.5
100	QPSK	135	138		24.40		25.5
100	QPSK	270	0		24.47		
100	16QAM	1	1		24.33		25.5
100	64QAM	1	1		22.81		24.0
100	256QAM	1	1		21.11		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.26	25.29	25.24	26.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.15	25.19	25.18	26.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.15	25.17	25.19	26.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.20	25.17	25.12	26.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.15	25.23	25.15	26.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.19	25.24	25.19	26.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.17	25.20	25.17	26.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.15	25.22	25.17	26.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.17	25.24	25.13	26.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.21	25.17	25.15	26.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.20	25.23	25.16	26.5



<FR1 n77_HPUE_Ant 7_Index 4> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.04		24.1
100	PI/2 BPSK	1	137		23.04		
100	PI/2 BPSK	1	271		22.97		
100	PI/2 BPSK	135	0		23.27		24.1
100	PI/2 BPSK	135	69		23.31		24.1
100	PI/2 BPSK	135	138		23.22		24.1
100	PI/2 BPSK	270	0		23.22		
100	QPSK	1	1		22.98		24.1
100	QPSK	1	137		23.03		
100	QPSK	1	271		22.97		
100	QPSK	135	0		23.17		24.1
100	QPSK	135	69		23.23		24.1
100	QPSK	135	138		23.16		24.1
100	QPSK	270	0		23.15		
100	16QAM	1	1		22.94		24.1
100	64QAM	1	1		22.79		24.0
100	256QAM	1	1		21.18		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.98	22.95	22.97	24.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.02	22.96	22.98	24.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.03	23.01	22.99	24.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.97	23.00	22.96	24.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.97	22.99	22.98	24.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.02	22.99	22.95	24.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.94	23.03	22.99	24.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.94	23.00	22.98	24.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.94	22.95	22.97	24.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.94	23.00	23.01	24.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.99	23.03	22.98	24.1



<FR1 n77_HPUE_Ant 7_Index 5> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.04		24.8
100	PI/2 BPSK	1	137		23.04		
100	PI/2 BPSK	1	271		22.97		
100	PI/2 BPSK	135	0		23.27		24.8
100	PI/2 BPSK	135	69		23.31		24.8
100	PI/2 BPSK	135	138		23.22		24.8
100	PI/2 BPSK	270	0		23.22		
100	QPSK	1	1		22.98		24.8
100	QPSK	1	137		23.03		
100	QPSK	1	271		22.97		
100	QPSK	135	0		23.17		24.8
100	QPSK	135	69		23.23		24.8
100	QPSK	135	138		23.16		24.8
100	QPSK	270	0		23.15		
100	16QAM	1	1		22.94		24.8
100	64QAM	1	1		22.79		24.0
100	256QAM	1	1		21.18		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.98	22.95	22.97	24.8
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.02	22.96	22.98	24.8
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.03	23.01	22.99	24.8
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.97	23.00	22.96	24.8
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.97	22.99	22.98	24.8
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.02	22.99	22.95	24.8
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.94	23.03	22.99	24.8
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.94	23.00	22.98	24.8
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.94	22.95	22.97	24.8
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.94	23.00	23.01	24.8
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.99	23.03	22.98	24.8



<FR1 n77_HPUE_Ant 7_Index 6> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.04		24.1
100	PI/2 BPSK	1	137		23.04		
100	PI/2 BPSK	1	271		22.97		
100	PI/2 BPSK	135	0		23.27		24.1
100	PI/2 BPSK	135	69		23.31		24.1
100	PI/2 BPSK	135	138		23.22		24.1
100	PI/2 BPSK	270	0		23.22		
100	QPSK	1	1		22.98		24.1
100	QPSK	1	137		23.03		
100	QPSK	1	271		22.97		
100	QPSK	135	0		23.17		24.1
100	QPSK	135	69		23.23		24.1
100	QPSK	135	138		23.16		24.1
100	QPSK	270	0		23.15		
100	16QAM	1	1		22.94		24.1
100	64QAM	1	1		22.79		24.0
100	256QAM	1	1		21.18		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.98	22.95	22.97	24.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.02	22.96	22.98	24.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.03	23.01	22.99	24.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.97	23.00	22.96	24.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.97	22.99	22.98	24.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.02	22.99	22.95	24.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.94	23.03	22.99	24.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.94	23.00	22.98	24.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.94	22.95	22.97	24.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.94	23.00	23.01	24.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.99	23.03	22.98	24.1



<FR1 n78_Ant 1_Index 2> Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.06		16.7
100	PI/2 BPSK	1	137		15.96		
100	PI/2 BPSK	1	271		15.99		
100	PI/2 BPSK	135	0		15.91		16.7
100	PI/2 BPSK	135	69		15.92		16.7
100	PI/2 BPSK	135	138		15.89		16.7
100	PI/2 BPSK	270	0		15.97		
100	QPSK	1	1		15.81		16.7
100	QPSK	1	137		15.78		
100	QPSK	1	271		15.70		
100	QPSK	135	0		15.84		16.7
100	QPSK	135	69		15.80		16.7
100	QPSK	135	138		15.88		16.7
100	QPSK	270	0		15.78		
100	16QAM	1	1		15.78		16.7
100	64QAM	1	1		15.89		16.7
100	256QAM	1	1		15.85		16.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	15.91	15.87	15.90	16.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	15.85	15.82	15.89	16.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	15.88	15.89	15.82	16.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	15.87	15.83	15.85	16.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	15.92	15.91	15.84	16.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	15.85	15.88	15.84	16.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	15.84	15.88	15.92	16.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	15.85	15.84	15.92	16.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	15.88	15.91	15.89	16.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	15.83	15.90	15.90	16.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	15.86	15.82	15.81	16.7



<FR1 n78_Ant 1_Index 3> Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.06		16.0
100	PI/2 BPSK	1	137		15.96		
100	PI/2 BPSK	1	271		15.99		
100	PI/2 BPSK	135	0		15.91		16.0
100	PI/2 BPSK	135	69		15.92		16.0
100	PI/2 BPSK	135	138		15.89		16.0
100	PI/2 BPSK	270	0		15.97		
100	QPSK	1	1		15.81		16.0
100	QPSK	1	137		15.78		
100	QPSK	1	271		15.70		
100	QPSK	135	0		15.84		16.0
100	QPSK	135	69		15.80		16.0
100	QPSK	135	138		15.88		16.0
100	QPSK	270	0		15.78		
100	16QAM	1	1		15.78		16.0
100	64QAM	1	1		15.89		16.0
100	256QAM	1	1		15.85		16.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	15.91	15.87	15.90	16.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	15.85	15.82	15.89	16.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	15.88	15.89	15.82	16.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	15.87	15.83	15.85	16.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	15.92	15.91	15.84	16.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	15.85	15.88	15.84	16.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	15.84	15.88	15.92	16.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	15.85	15.84	15.92	16.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	15.88	15.91	15.89	16.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	15.83	15.90	15.90	16.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	15.86	15.82	15.81	16.0



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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.94		21.0
100	PI/2 BPSK	1	137		20.80		
100	PI/2 BPSK	1	271		20.79		
100	PI/2 BPSK	135	0		20.67		21.0
100	PI/2 BPSK	135	69		20.66		21.0
100	PI/2 BPSK	135	138		20.62		21.0
100	PI/2 BPSK	270	0		20.68		
100	QPSK	1	1		20.83		21.0
100	QPSK	1	137		20.88		
100	QPSK	1	271		20.86		
100	QPSK	135	0		20.82		21.0
100	QPSK	135	69		20.85		21.0
100	QPSK	135	138		20.85		21.0
100	QPSK	270	0		20.90		
100	16QAM	1	1		20.87		21.0
100	64QAM	1	1		20.93		21.0
100	256QAM	1	1		19.58		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.84	20.87	20.88	21.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	20.90	20.89	20.90	21.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	20.89	20.90	20.89	21.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	20.80	20.84	20.89	21.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.83	20.83	20.90	21.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.87	20.80	20.83	21.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.84	20.88	20.87	21.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	20.83	20.87	20.81	21.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.85	20.80	20.89	21.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.90	20.85	20.87	21.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.90	20.86	20.82	21.0



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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.07		23.0
100	PI/2 BPSK	1	137		22.02		
100	PI/2 BPSK	1	271		21.93		
100	PI/2 BPSK	135	0		21.84		23.0
100	PI/2 BPSK	135	69		21.87		23.0
100	PI/2 BPSK	135	138		21.82		23.0
100	PI/2 BPSK	270	0		21.94		
100	QPSK	1	1		22.03		23.0
100	QPSK	1	137		21.93		
100	QPSK	1	271		21.88		
100	QPSK	135	0		21.79		23.0
100	QPSK	135	69		21.83		23.0
100	QPSK	135	138		21.78		23.0
100	QPSK	270	0		21.86		
100	16QAM	1	1		22.02		23.0
100	64QAM	1	1		21.41		22.5
100	256QAM	1	1		19.51		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	22.00	22.02	22.03	23.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.00	22.03	22.02	23.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.04	22.06	22.05	23.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.01	22.03	22.06	23.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.02	22.01	22.00	23.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.02	22.04	22.01	23.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.97	22.03	22.02	23.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	22.02	22.06	22.04	23.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.97	21.98	21.99	23.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.01	21.97	21.99	23.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.98	22.02	22.02	23.0



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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)
Channel					650000		22.3
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.07		
100	PI/2 BPSK	1	137		22.02		
100	PI/2 BPSK	1	271		21.93		
100	PI/2 BPSK	135	0		21.84		22.3
100	PI/2 BPSK	135	69		21.87		22.3
100	PI/2 BPSK	135	138		21.82		22.3
100	PI/2 BPSK	270	0		21.94		
100	QPSK	1	1		22.03		22.3
100	QPSK	1	137		21.93		
100	QPSK	1	271		21.88		
100	QPSK	135	0		21.79		22.3
100	QPSK	135	69		21.83		22.3
100	QPSK	135	138		21.78		22.3
100	QPSK	270	0		21.86		
100	16QAM	1	1		22.02		22.3
100	64QAM	1	1		21.41		22.3
100	256QAM	1	1		19.51		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	22.00	22.02	22.03	22.3
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.00	22.03	22.02	22.3
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.04	22.06	22.05	22.3
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.01	22.03	22.06	22.3
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.02	22.01	22.00	22.3
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.02	22.04	22.01	22.3
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.97	22.03	22.02	22.3
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	22.02	22.06	22.04	22.3
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.97	21.98	21.99	22.3
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.01	21.97	21.99	22.3
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.98	22.02	22.02	22.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.70		19.4
100	PI/2 BPSK	1	137		18.66		
100	PI/2 BPSK	1	271		18.61		
100	PI/2 BPSK	135	0		18.34		19.4
100	PI/2 BPSK	135	69		18.45		19.4
100	PI/2 BPSK	135	138		18.35		19.4
100	PI/2 BPSK	270	0		18.43		
100	QPSK	1	1		18.59		19.4
100	QPSK	1	137		18.52		
100	QPSK	1	271		18.56		
100	QPSK	135	0		18.28		19.4
100	QPSK	135	69		18.39		19.4
100	QPSK	135	138		18.25		19.4
100	QPSK	270	0		18.43		
100	16QAM	1	1		18.58		19.4
100	64QAM	1	1		18.56		19.4
100	256QAM	1	1		18.33		19.4
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.65	18.68	18.66	19.4
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.67	18.68	18.62	19.4
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.63	18.61	18.63	19.4
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.61	18.63	18.64	19.4
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.65	18.66	18.60	19.4
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.60	18.67	18.63	19.4
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	18.61	18.69	18.69	19.4
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	18.63	18.69	18.66	19.4
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.66	18.59	18.65	19.4
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.68	18.67	18.69	19.4
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	18.61	18.66	18.64	19.4



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.70		18.7
100	PI/2 BPSK	1	137		18.66		
100	PI/2 BPSK	1	271		18.61		
100	PI/2 BPSK	135	0		18.34		18.7
100	PI/2 BPSK	135	69		18.45		18.7
100	PI/2 BPSK	135	138		18.35		18.7
100	PI/2 BPSK	270	0		18.43		
100	QPSK	1	1		18.59		18.7
100	QPSK	1	137		18.52		
100	QPSK	1	271		18.56		
100	QPSK	135	0		18.28		18.7
100	QPSK	135	69		18.39		18.7
100	QPSK	135	138		18.25		18.7
100	QPSK	270	0		18.43		
100	16QAM	1	1		18.58		18.7
100	64QAM	1	1		18.56		18.7
100	256QAM	1	1		18.33		18.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.65	18.68	18.66	18.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.67	18.68	18.62	18.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.63	18.61	18.63	18.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.61	18.63	18.64	18.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.65	18.66	18.60	18.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.60	18.67	18.63	18.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	18.61	18.69	18.69	18.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	18.63	18.69	18.66	18.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.66	18.59	18.65	18.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.68	18.67	18.69	18.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	18.61	18.66	18.64	18.7



<FR1 n78_Ant 5_Index 4> Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.01		24.5
100	PI/2 BPSK	1	137		23.33		
100	PI/2 BPSK	1	271		23.48		
100	PI/2 BPSK	135	0		23.09		24.5
100	PI/2 BPSK	135	69		23.41		24.5
100	PI/2 BPSK	135	138		22.86		24.5
100	PI/2 BPSK	270	0		22.98		
100	QPSK	1	1		23.97		24.5
100	QPSK	1	137		23.09		
100	QPSK	1	271		23.53		
100	QPSK	135	0		23.01		24.0
100	QPSK	135	69		23.41		24.5
100	QPSK	135	138		23.06		24.0
100	QPSK	270	0		22.48		
100	16QAM	1	1		23.00		24.0
100	64QAM	1	1		21.37		22.5
100	256QAM	1	1		19.44		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.93	23.91	23.92	24.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.95	23.97	23.96	24.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.00	24.00	23.94	24.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.96	23.95	23.94	24.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.91	23.93	23.94	24.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.93	23.97	23.98	24.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.98	23.92	24.00	24.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.96	23.93	23.95	24.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.99	24.00	23.99	24.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.95	23.95	23.97	24.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.94	24.00	23.92	24.5



<FR1 n78_Ant 5_Index 5> Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.01		25.0
100	PI/2 BPSK	1	137		23.33		
100	PI/2 BPSK	1	271		23.48		
100	PI/2 BPSK	135	0		23.09		24.5
100	PI/2 BPSK	135	69		23.41		25.0
100	PI/2 BPSK	135	138		22.86		24.5
100	PI/2 BPSK	270	0		22.98		
100	QPSK	1	1		23.97		25.0
100	QPSK	1	137		23.09		
100	QPSK	1	271		23.53		
100	QPSK	135	0		23.01		24.0
100	QPSK	135	69		23.41		25.0
100	QPSK	135	138		23.06		24.0
100	QPSK	270	0		22.48		
100	16QAM	1	1		23.00		24.0
100	64QAM	1	1		21.37		22.5
100	256QAM	1	1		19.44		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.93	23.91	23.92	25.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.95	23.97	23.96	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.00	24.00	23.94	25.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.96	23.95	23.94	25.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.91	23.93	23.94	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.93	23.97	23.98	25.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.98	23.92	24.00	25.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.96	23.93	23.95	25.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.99	24.00	23.99	25.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.95	23.95	23.97	25.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.94	24.00	23.92	25.0



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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.01		24.5
100	PI/2 BPSK	1	137		23.33		
100	PI/2 BPSK	1	271		23.48		
100	PI/2 BPSK	135	0		23.09		24.5
100	PI/2 BPSK	135	69		23.41		24.5
100	PI/2 BPSK	135	138		22.86		24.5
100	PI/2 BPSK	270	0		22.98		
100	QPSK	1	1		23.97		24.5
100	QPSK	1	137		23.09		
100	QPSK	1	271		23.53		
100	QPSK	135	0		23.01		24.0
100	QPSK	135	69		23.41		24.5
100	QPSK	135	138		23.06		24.0
100	QPSK	270	0		22.48		
100	16QAM	1	1		23.00		24.0
100	64QAM	1	1		21.37		22.5
100	256QAM	1	1		19.44		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.93	23.91	23.92	24.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.95	23.97	23.96	24.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.00	24.00	23.94	24.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.96	23.95	23.94	24.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.91	23.93	23.94	24.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.93	23.97	23.98	24.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.98	23.92	24.00	24.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.96	23.93	23.95	24.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.99	24.00	23.99	24.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.95	23.95	23.97	24.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.94	24.00	23.92	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)
Channel					650000		25.0
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.12		
100	PI/2 BPSK	1	137		23.76		
100	PI/2 BPSK	1	271		24.11		
100	PI/2 BPSK	135	0		23.39		24.5
100	PI/2 BPSK	135	69		23.82		25.0
100	PI/2 BPSK	135	138		23.39		24.5
100	PI/2 BPSK	270	0		23.37		
100	QPSK	1	1		24.11		25.0
100	QPSK	1	137		23.78		
100	QPSK	1	271		24.10		
100	QPSK	135	0		22.89		24.0
100	QPSK	135	69		23.83		25.0
100	QPSK	135	138		22.90		24.0
100	QPSK	270	0		22.90		
100	16QAM	1	1		23.17		24.0
100	64QAM	1	1		21.54		22.5
100	256QAM	1	1		19.62		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.10	24.08	24.03	25.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.05	24.04	24.07	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.06	24.10	24.09	25.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.05	24.06	24.11	25.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.02	24.02	24.06	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.06	24.10	24.02	25.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.02	24.11	24.07	25.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.02	24.05	24.11	25.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.06	24.11	24.09	25.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.05	24.04	24.03	25.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.06	24.11	24.10	25.0



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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)
Channel					650000		25.0
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.12		
100	PI/2 BPSK	1	137		23.76		
100	PI/2 BPSK	1	271		24.11		
100	PI/2 BPSK	135	0		23.39		24.5
100	PI/2 BPSK	135	69		23.82		25.0
100	PI/2 BPSK	135	138		23.39		24.5
100	PI/2 BPSK	270	0		23.37		
100	QPSK	1	1		24.11		25.0
100	QPSK	1	137		23.78		
100	QPSK	1	271		24.10		
100	QPSK	135	0		22.89		24.0
100	QPSK	135	69		23.83		25.0
100	QPSK	135	138		22.90		24.0
100	QPSK	270	0		22.90		
100	16QAM	1	1		23.17		24.0
100	64QAM	1	1		21.54		22.5
100	256QAM	1	1		19.62		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.10	24.08	24.03	25.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.05	24.04	24.07	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.06	24.10	24.09	25.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.05	24.06	24.11	25.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.02	24.02	24.06	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.06	24.10	24.02	25.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.02	24.11	24.07	25.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.02	24.05	24.11	25.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.06	24.11	24.09	25.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.05	24.04	24.03	25.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.06	24.11	24.10	25.0



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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.89		20.4
100	PI/2 BPSK	1	137		19.79		
100	PI/2 BPSK	1	271		19.76		
100	PI/2 BPSK	135	0		19.83		20.4
100	PI/2 BPSK	135	69		20.10		20.4
100	PI/2 BPSK	135	138		19.83		20.4
100	PI/2 BPSK	270	0		19.96		
100	QPSK	1	1		19.75		20.4
100	QPSK	1	137		19.74		
100	QPSK	1	271		19.79		
100	QPSK	135	0		19.71		20.4
100	QPSK	135	69		19.99		20.4
100	QPSK	135	138		19.75		20.4
100	QPSK	270	0		19.89		
100	16QAM	1	1		19.83		20.4
100	64QAM	1	1		19.79		20.4
100	256QAM	1	1		19.21		20.4
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	19.86	19.88	19.89	20.4
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	19.82	19.84	19.82	20.4
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	19.84	19.80	19.88	20.4
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	19.82	19.86	19.89	20.4
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	19.82	19.80	19.79	20.4
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	19.81	19.89	19.85	20.4
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	19.81	19.88	19.86	20.4
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	19.82	19.82	19.85	20.4
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	19.81	19.85	19.85	20.4
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	19.87	19.83	19.80	20.4
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	19.84	19.79	19.85	20.4



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.89		21.1
100	PI/2 BPSK	1	137		19.79		
100	PI/2 BPSK	1	271		19.76		
100	PI/2 BPSK	135	0		19.83		21.1
100	PI/2 BPSK	135	69		20.10		21.1
100	PI/2 BPSK	135	138		19.83		21.1
100	PI/2 BPSK	270	0		19.96		
100	QPSK	1	1		19.75		21.1
100	QPSK	1	137		19.74		
100	QPSK	1	271		19.79		
100	QPSK	135	0		19.71		21.1
100	QPSK	135	69		19.99		21.1
100	QPSK	135	138		19.75		21.1
100	QPSK	270	0		19.89		
100	16QAM	1	1		19.83		21.1
100	64QAM	1	1		19.79		21.1
100	256QAM	1	1		19.21		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	19.86	19.88	19.89	21.1
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	19.82	19.84	19.82	21.1
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	19.84	19.80	19.88	21.1
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	19.82	19.86	19.89	21.1
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	19.82	19.80	19.79	21.1
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	19.81	19.89	19.85	21.1
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	19.81	19.88	19.86	21.1
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	19.82	19.82	19.85	21.1
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	19.81	19.85	19.85	21.1
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	19.87	19.83	19.80	21.1
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	19.84	19.79	19.85	21.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.89		20.4
100	PI/2 BPSK	1	137		19.79		
100	PI/2 BPSK	1	271		19.76		
100	PI/2 BPSK	135	0		19.83		20.4
100	PI/2 BPSK	135	69		20.10		20.4
100	PI/2 BPSK	135	138		19.83		20.4
100	PI/2 BPSK	270	0		19.96		
100	QPSK	1	1		19.75		20.4
100	QPSK	1	137		19.74		
100	QPSK	1	271		19.79		
100	QPSK	135	0		19.71		20.4
100	QPSK	135	69		19.99		20.4
100	QPSK	135	138		19.75		20.4
100	QPSK	270	0		19.89		
100	16QAM	1	1		19.83		20.4
100	64QAM	1	1		19.79		20.4
100	256QAM	1	1		19.21		20.4
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	19.86	19.88	19.89	20.4
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	19.82	19.84	19.82	20.4
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	19.84	19.80	19.88	20.4
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	19.82	19.86	19.89	20.4
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	19.82	19.80	19.79	20.4
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	19.81	19.89	19.85	20.4
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	19.81	19.88	19.86	20.4
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	19.82	19.82	19.85	20.4
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	19.81	19.85	19.85	20.4
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	19.87	19.83	19.80	20.4
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	19.84	19.79	19.85	20.4



<FR1 n78_Ant 7_Index 2> Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.35		24.4
100	PI/2 BPSK	1	137		23.54		
100	PI/2 BPSK	1	271		23.47		
100	PI/2 BPSK	135	0		22.92		23.9
100	PI/2 BPSK	135	69		23.51		24.4
100	PI/2 BPSK	135	138		22.94		23.9
100	PI/2 BPSK	270	0		22.89		
100	QPSK	1	1		23.30		24.4
100	QPSK	1	137		23.52		
100	QPSK	1	271		23.44		
100	QPSK	135	0		22.42		23.4
100	QPSK	135	69		23.43		24.4
100	QPSK	135	138		22.48		23.4
100	QPSK	270	0		22.43		
100	16QAM	1	1		22.31		23.4
100	64QAM	1	1		20.85		21.9
100	256QAM	1	1		19.05		19.9
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.25	23.28	23.26	24.4
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.16	23.18	23.15	24.4
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.19	23.20	23.19	24.4
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.18	23.17	23.20	24.4
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.16	23.21	23.16	24.4
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.18	23.19	23.16	24.4
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.20	23.21	23.14	24.4
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.20	23.17	23.14	24.4
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.14	23.23	23.16	24.4
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.19	23.17	23.17	24.4
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.16	23.23	23.20	24.4



<FR1 n78_Ant 7_Index 3> Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.35		24.4
100	PI/2 BPSK	1	137		23.54		
100	PI/2 BPSK	1	271		23.47		
100	PI/2 BPSK	135	0		22.92		23.9
100	PI/2 BPSK	135	69		23.51		24.4
100	PI/2 BPSK	135	138		22.94		23.9
100	PI/2 BPSK	270	0		22.89		
100	QPSK	1	1		23.30		24.4
100	QPSK	1	137		23.52		
100	QPSK	1	271		23.44		
100	QPSK	135	0		22.42		23.4
100	QPSK	135	69		23.43		24.4
100	QPSK	135	138		22.48		23.4
100	QPSK	270	0		22.43		
100	16QAM	1	1		22.31		23.4
100	64QAM	1	1		20.85		21.9
100	256QAM	1	1		19.05		19.9
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.25	23.28	23.26	24.4
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.16	23.18	23.15	24.4
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.19	23.20	23.19	24.4
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.18	23.17	23.20	24.4
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.16	23.21	23.16	24.4
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.18	23.19	23.16	24.4
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.20	23.21	23.14	24.4
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.20	23.17	23.14	24.4
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.14	23.23	23.16	24.4
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.19	23.17	23.17	24.4
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.16	23.23	23.20	24.4



<FR1 n78_Ant 7_Index 4> Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.08		21.8
100	PI/2 BPSK	1	137		20.99		
100	PI/2 BPSK	1	271		21.07		
100	PI/2 BPSK	135	0		21.15		21.8
100	PI/2 BPSK	135	69		21.16		21.8
100	PI/2 BPSK	135	138		21.15		21.8
100	PI/2 BPSK	270	0		21.22		
100	QPSK	1	1		21.21		21.8
100	QPSK	1	137		20.97		
100	QPSK	1	271		21.01		
100	QPSK	135	0		21.14		21.8
100	QPSK	135	69		21.18		21.8
100	QPSK	135	138		21.10		21.8
100	QPSK	270	0		21.09		
100	16QAM	1	1		20.97		21.8
100	64QAM	1	1		20.96		21.2
100	256QAM	1	1		18.97		19.9
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.13	21.10	21.10	21.8
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.12	21.18	21.15	21.8
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.11	21.10	21.16	21.8
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.12	21.14	21.10	21.8
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.10	21.15	21.11	21.8
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.14	21.08	21.16	21.8
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.12	21.12	21.17	21.8
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.10	21.17	21.17	21.8
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.10	21.11	21.09	21.8
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.17	21.09	21.13	21.8
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.13	21.18	21.11	21.8



<FR1 n78_Ant 7_Index 5> Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.08		22.5
100	PI/2 BPSK	1	137		20.99		
100	PI/2 BPSK	1	271		21.07		
100	PI/2 BPSK	135	0		21.15		22.5
100	PI/2 BPSK	135	69		21.16		22.5
100	PI/2 BPSK	135	138		21.15		22.5
100	PI/2 BPSK	270	0		21.22		
100	QPSK	1	1		21.21		22.5
100	QPSK	1	137		20.97		
100	QPSK	1	271		21.01		
100	QPSK	135	0		21.14		22.5
100	QPSK	135	69		21.18		22.5
100	QPSK	135	138		21.10		22.5
100	QPSK	270	0		21.09		
100	16QAM	1	1		20.97		22.5
100	64QAM	1	1		20.96		21.9
100	256QAM	1	1		18.97		19.9
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.13	21.10	21.10	22.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.12	21.18	21.15	22.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.11	21.10	21.16	22.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.12	21.14	21.10	22.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.10	21.15	21.11	22.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.14	21.08	21.16	22.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.12	21.12	21.17	22.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.10	21.17	21.17	22.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.10	21.11	21.09	22.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.17	21.09	21.13	22.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.13	21.18	21.11	22.5



<FR1 n78_Ant 7_Index 6> Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.08		21.8
100	PI/2 BPSK	1	137		20.99		
100	PI/2 BPSK	1	271		21.07		
100	PI/2 BPSK	135	0		21.15		21.8
100	PI/2 BPSK	135	69		21.16		21.8
100	PI/2 BPSK	135	138		21.15		21.8
100	PI/2 BPSK	270	0		21.22		
100	QPSK	1	1		21.21		21.8
100	QPSK	1	137		20.97		
100	QPSK	1	271		21.01		
100	QPSK	135	0		21.14		21.8
100	QPSK	135	69		21.18		21.8
100	QPSK	135	138		21.10		21.8
100	QPSK	270	0		21.09		
100	16QAM	1	1		20.97		21.8
100	64QAM	1	1		20.96		21.2
100	256QAM	1	1		18.97		19.9
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.13	21.10	21.10	21.8
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.12	21.18	21.15	21.8
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.11	21.10	21.16	21.8
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.12	21.14	21.10	21.8
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.10	21.15	21.11	21.8
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.14	21.08	21.16	21.8
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.12	21.12	21.17	21.8
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.10	21.17	21.17	21.8
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.10	21.11	21.09	21.8
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.17	21.09	21.13	21.8
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.13	21.18	21.11	21.8



<FR1 n78_HPUE_Ant 1_Index 2>
Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.83		19.9
100	PI/2 BPSK	1	137		18.72		
100	PI/2 BPSK	1	271		18.86		
100	PI/2 BPSK	135	0		18.80		19.9
100	PI/2 BPSK	135	69		18.96		19.9
100	PI/2 BPSK	135	138		18.81		19.9
100	PI/2 BPSK	270	0		18.94		
100	QPSK	1	1		18.76		19.9
100	QPSK	1	137		18.71		
100	QPSK	1	271		18.77		
100	QPSK	135	0		18.67		19.9
100	QPSK	135	69		18.82		19.9
100	QPSK	135	138		18.69		19.9
100	QPSK	270	0		18.86		
100	16QAM	1	1		18.86		19.9
100	64QAM	1	1		18.79		19.9
100	256QAM	1	1		18.94		19.9
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.84	18.88	18.82	19.9
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.85	18.83	18.85	19.9
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.82	18.83	18.83	19.9
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.89	18.83	18.88	19.9
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.83	18.92	18.88	19.9
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.87	18.83	18.85	19.9
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	18.87	18.88	18.84	19.9
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	18.84	18.88	18.82	19.9
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.86	18.92	18.83	19.9
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.90	18.91	18.90	19.9
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	18.90	18.89	18.87	19.9



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.83		19.2
100	PI/2 BPSK	1	137		18.72		
100	PI/2 BPSK	1	271		18.86		
100	PI/2 BPSK	135	0		18.80		19.2
100	PI/2 BPSK	135	69		18.96		19.2
100	PI/2 BPSK	135	138		18.81		19.2
100	PI/2 BPSK	270	0		18.94		
100	QPSK	1	1		18.76		19.2
100	QPSK	1	137		18.71		
100	QPSK	1	271		18.77		
100	QPSK	135	0		18.67		19.2
100	QPSK	135	69		18.82		19.2
100	QPSK	135	138		18.69		19.2
100	QPSK	270	0		18.86		
100	16QAM	1	1		18.86		19.2
100	64QAM	1	1		18.79		19.2
100	256QAM	1	1		18.94		19.2
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.84	18.88	18.82	19.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.85	18.83	18.85	19.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.82	18.83	18.83	19.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.89	18.83	18.88	19.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.83	18.92	18.88	19.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.87	18.83	18.85	19.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	18.87	18.88	18.84	19.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	18.84	18.88	18.82	19.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.86	18.92	18.83	19.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.90	18.91	18.90	19.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	18.90	18.89	18.87	19.2



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.20		24.2
100	PI/2 BPSK	1	137		24.01		
100	PI/2 BPSK	1	271		24.14		
100	PI/2 BPSK	135	0		23.88		24.2
100	PI/2 BPSK	135	69		23.90		24.2
100	PI/2 BPSK	135	138		23.88		24.2
100	PI/2 BPSK	270	0		24.04		
100	QPSK	1	1		24.07		24.2
100	QPSK	1	137		24.02		
100	QPSK	1	271		23.98		
100	QPSK	135	0		23.82		24.2
100	QPSK	135	69		23.92		24.2
100	QPSK	135	138		23.86		24.2
100	QPSK	270	0		23.85		
100	16QAM	1	1		23.90		24.2
100	64QAM	1	1		22.53		23.7
100	256QAM	1	1		20.81		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.08	24.04	24.08	24.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.09	24.03	24.07	24.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.06	24.06	24.03	24.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.03	24.05	24.01	24.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.09	24.07	24.06	24.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.10	24.02	24.06	24.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.05	24.04	24.06	24.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.08	24.06	24.04	24.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.04	24.07	24.04	24.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.09	24.00	24.08	24.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.00	24.08	24.08	24.2



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.15		26.2
100	PI/2 BPSK	1	137		24.78		
100	PI/2 BPSK	1	271		25.05		
100	PI/2 BPSK	135	0		24.40		25.7
100	PI/2 BPSK	135	69		24.81		26.2
100	PI/2 BPSK	135	138		24.36		25.7
100	PI/2 BPSK	270	0		24.37		
100	QPSK	1	1		25.14		26.2
100	QPSK	1	137		24.79		
100	QPSK	1	271		25.07		
100	QPSK	135	0		24.10		25.2
100	QPSK	135	69		24.81		26.2
100	QPSK	135	138		24.06		25.2
100	QPSK	270	0		23.86		
100	16QAM	1	1		24.20		25.2
100	64QAM	1	1		22.56		23.7
100	256QAM	1	1		20.62		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.11	25.10	25.05	26.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.05	25.10	25.09	26.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.13	25.08	25.07	26.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.13	25.07	25.14	26.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.05	25.12	25.11	26.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.10	25.11	25.11	26.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.06	25.05	25.09	26.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	25.11	25.05	25.05	26.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.07	25.10	25.06	26.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.08	25.12	25.08	26.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.14	25.12	25.07	26.2



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.15		25.5
100	PI/2 BPSK	1	137		24.78		
100	PI/2 BPSK	1	271		25.05		
100	PI/2 BPSK	135	0		24.40		25.5
100	PI/2 BPSK	135	69		24.81		25.5
100	PI/2 BPSK	135	138		24.36		25.5
100	PI/2 BPSK	270	0		24.37		
100	QPSK	1	1		25.14		25.5
100	QPSK	1	137		24.79		
100	QPSK	1	271		25.07		
100	QPSK	135	0		24.10		25.2
100	QPSK	135	69		24.81		25.5
100	QPSK	135	138		24.06		25.2
100	QPSK	270	0		23.86		
100	16QAM	1	1		24.20		25.2
100	64QAM	1	1		22.56		23.7
100	256QAM	1	1		20.62		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.11	25.10	25.05	25.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.05	25.10	25.09	25.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.13	25.08	25.07	25.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.13	25.07	25.14	25.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.05	25.12	25.11	25.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.10	25.11	25.11	25.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.06	25.05	25.09	25.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	25.11	25.05	25.05	25.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.07	25.10	25.06	25.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.08	25.12	25.08	25.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.14	25.12	25.07	25.5



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.83		22.6
100	PI/2 BPSK	1	137		21.69		
100	PI/2 BPSK	1	271		21.77		
100	PI/2 BPSK	135	0		21.60		22.6
100	PI/2 BPSK	135	69		21.58		22.6
100	PI/2 BPSK	135	138		21.46		22.6
100	PI/2 BPSK	270	0		21.61		
100	QPSK	1	1		21.75		22.6
100	QPSK	1	137		21.66		
100	QPSK	1	271		21.76		
100	QPSK	135	0		21.53		22.6
100	QPSK	135	69		21.54		22.6
100	QPSK	135	138		21.48		22.6
100	QPSK	270	0		21.54		
100	16QAM	1	1		21.59		22.6
100	64QAM	1	1		21.65		22.6
100	256QAM	1	1		20.64		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.79	21.74	21.81	22.6
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.80	21.72	21.73	22.6
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.74	21.72	21.72	22.6
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.77	21.79	21.77	22.6
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.74	21.82	21.74	22.6
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.76	21.74	21.72	22.6
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.74	21.74	21.72	22.6
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.78	21.77	21.77	22.6
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.77	21.79	21.79	22.6
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.79	21.82	21.82	22.6
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.82	21.74	21.73	22.6



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.83		21.9
100	PI/2 BPSK	1	137		21.69		
100	PI/2 BPSK	1	271		21.77		
100	PI/2 BPSK	135	0		21.60		21.9
100	PI/2 BPSK	135	69		21.58		21.9
100	PI/2 BPSK	135	138		21.46		21.9
100	PI/2 BPSK	270	0		21.61		
100	QPSK	1	1		21.75		21.9
100	QPSK	1	137		21.66		
100	QPSK	1	271		21.76		
100	QPSK	135	0		21.53		21.9
100	QPSK	135	69		21.54		21.9
100	QPSK	135	138		21.48		21.9
100	QPSK	270	0		21.54		
100	16QAM	1	1		21.59		21.9
100	64QAM	1	1		21.65		21.9
100	256QAM	1	1		20.64		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.79	21.74	21.81	21.9
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.80	21.72	21.73	21.9
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.74	21.72	21.72	21.9
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.77	21.79	21.77	21.9
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.74	21.82	21.74	21.9
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.76	21.74	21.72	21.9
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.74	21.74	21.72	21.9
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.78	21.77	21.77	21.9
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.77	21.79	21.79	21.9
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.79	21.82	21.82	21.9
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.82	21.74	21.73	21.9



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.99		26.2
100	PI/2 BPSK	1	137		24.39		
100	PI/2 BPSK	1	271		24.54		
100	PI/2 BPSK	135	0		24.14		25.7
100	PI/2 BPSK	135	69		24.44		26.2
100	PI/2 BPSK	135	138		23.91		25.7
100	PI/2 BPSK	270	0		24.03		
100	QPSK	1	1		24.92		26.2
100	QPSK	1	137		24.41		
100	QPSK	1	271		24.55		
100	QPSK	135	0		24.06		25.2
100	QPSK	135	69		24.45		26.2
100	QPSK	135	138		24.00		25.2
100	QPSK	270	0		23.52		
100	16QAM	1	1		24.05		25.2
100	64QAM	1	1		22.41		23.7
100	256QAM	1	1		20.47		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.89	24.95	24.94	26.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.95	24.95	24.98	26.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.94	24.91	24.95	26.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.94	24.93	24.98	26.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.98	24.89	24.98	26.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.90	24.93	24.92	26.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.91	24.97	24.91	26.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.94	24.97	24.90	26.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.93	24.90	24.95	26.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.90	24.95	24.91	26.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.90	24.98	24.94	26.2



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.99		26.2
100	PI/2 BPSK	1	137		24.39		
100	PI/2 BPSK	1	271		24.54		
100	PI/2 BPSK	135	0		24.14		25.7
100	PI/2 BPSK	135	69		24.44		26.2
100	PI/2 BPSK	135	138		23.91		25.7
100	PI/2 BPSK	270	0		24.03		
100	QPSK	1	1		24.92		26.2
100	QPSK	1	137		24.41		
100	QPSK	1	271		24.55		
100	QPSK	135	0		24.06		25.2
100	QPSK	135	69		24.45		26.2
100	QPSK	135	138		24.00		25.2
100	QPSK	270	0		23.52		
100	16QAM	1	1		24.05		25.2
100	64QAM	1	1		22.41		23.7
100	256QAM	1	1		20.47		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.89	24.95	24.94	26.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.95	24.95	24.98	26.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.94	24.91	24.95	26.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.94	24.93	24.98	26.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.98	24.89	24.98	26.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.90	24.93	24.92	26.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.91	24.97	24.91	26.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.94	24.97	24.90	26.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.93	24.90	24.95	26.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.90	24.95	24.91	26.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.90	24.98	24.94	26.2



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.99		26.2
100	PI/2 BPSK	1	137		24.39		
100	PI/2 BPSK	1	271		24.54		
100	PI/2 BPSK	135	0		24.14		25.7
100	PI/2 BPSK	135	69		24.44		26.2
100	PI/2 BPSK	135	138		23.91		25.7
100	PI/2 BPSK	270	0		24.03		
100	QPSK	1	1		24.92		26.2
100	QPSK	1	137		24.41		
100	QPSK	1	271		24.55		
100	QPSK	135	0		24.06		25.2
100	QPSK	135	69		24.45		26.2
100	QPSK	135	138		24.00		25.2
100	QPSK	270	0		23.52		
100	16QAM	1	1		24.05		25.2
100	64QAM	1	1		22.41		23.7
100	256QAM	1	1		20.47		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.89	24.95	24.94	26.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.95	24.95	24.98	26.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.94	24.91	24.95	26.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.94	24.93	24.98	26.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.98	24.89	24.98	26.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.90	24.93	24.92	26.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.91	24.97	24.91	26.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.94	24.97	24.90	26.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.93	24.90	24.95	26.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.90	24.95	24.91	26.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.90	24.98	24.94	26.2



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		26.12		27.1
100	PI/2 BPSK	1	137		25.80		
100	PI/2 BPSK	1	271		26.08		
100	PI/2 BPSK	135	0		25.44		26.6
100	PI/2 BPSK	135	69		25.87		27.1
100	PI/2 BPSK	135	138		25.45		26.6
100	PI/2 BPSK	270	0		25.45		
100	QPSK	1	1		26.07		27.1
100	QPSK	1	137		25.83		
100	QPSK	1	271		26.09		
100	QPSK	135	0		24.96		26.1
100	QPSK	135	69		25.88		27.1
100	QPSK	135	138		24.95		26.1
100	QPSK	270	0		24.95		
100	16QAM	1	1		25.22		26.1
100	64QAM	1	1		23.59		24.6
100	256QAM	1	1		21.66		22.6
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	26.02	25.92	25.97	27.1
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.97	25.96	25.99	27.1
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.96	26.01	25.92	27.1
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	26.00	25.96	26.01	27.1
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.98	25.92	26.00	27.1
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	26.01	25.92	26.02	27.1
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	26.01	25.95	25.97	27.1
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	26.02	25.95	25.92	27.1
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.95	25.94	25.94	27.1
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	26.00	25.97	26.02	27.1
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	26.02	25.94	26.00	27.1



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		26.12		27.1
100	PI/2 BPSK	1	137		25.80		
100	PI/2 BPSK	1	271		26.08		
100	PI/2 BPSK	135	0		25.44		26.6
100	PI/2 BPSK	135	69		25.87		27.1
100	PI/2 BPSK	135	138		25.45		26.6
100	PI/2 BPSK	270	0		25.45		
100	QPSK	1	1		26.07		27.1
100	QPSK	1	137		25.83		
100	QPSK	1	271		26.09		
100	QPSK	135	0		24.96		26.1
100	QPSK	135	69		25.88		27.1
100	QPSK	135	138		24.95		26.1
100	QPSK	270	0		24.95		
100	16QAM	1	1		25.22		26.1
100	64QAM	1	1		23.59		24.6
100	256QAM	1	1		21.66		22.6
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	26.02	25.92	25.97	27.1
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.97	25.96	25.99	27.1
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.96	26.01	25.92	27.1
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	26.00	25.96	26.01	27.1
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.98	25.92	26.00	27.1
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	26.01	25.92	26.02	27.1
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	26.01	25.95	25.97	27.1
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	26.02	25.95	25.92	27.1
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.95	25.94	25.94	27.1
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	26.00	25.97	26.02	27.1
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	26.02	25.94	26.00	27.1



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.99		23.5
100	PI/2 BPSK	1	137		22.91		
100	PI/2 BPSK	1	271		22.95		
100	PI/2 BPSK	135	0		22.90		23.5
100	PI/2 BPSK	135	69		23.27		23.5
100	PI/2 BPSK	135	138		22.94		23.5
100	PI/2 BPSK	270	0		23.20		
100	QPSK	1	1		22.96		23.5
100	QPSK	1	137		22.83		
100	QPSK	1	271		22.89		
100	QPSK	135	0		22.88		23.5
100	QPSK	135	69		23.19		23.5
100	QPSK	135	138		22.85		23.5
100	QPSK	270	0		23.12		
100	16QAM	1	1		22.91		23.5
100	64QAM	1	1		22.85		23.5
100	256QAM	1	1		21.54		22.6
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	22.88	22.95	22.92	23.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.95	22.93	22.86	23.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.85	22.89	22.94	23.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.92	22.92	22.94	23.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.89	22.91	22.87	23.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.92	22.86	22.95	23.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	22.86	22.88	22.85	23.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	22.94	22.92	22.89	23.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	22.92	22.95	22.87	23.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.90	22.87	22.94	23.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.95	22.85	22.90	23.5



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.99		24.2
100	PI/2 BPSK	1	137		22.91		
100	PI/2 BPSK	1	271		22.95		
100	PI/2 BPSK	135	0		22.90		24.2
100	PI/2 BPSK	135	69		23.27		24.2
100	PI/2 BPSK	135	138		22.94		24.2
100	PI/2 BPSK	270	0		23.20		
100	QPSK	1	1		22.96		24.2
100	QPSK	1	137		22.83		
100	QPSK	1	271		22.89		
100	QPSK	135	0		22.88		24.2
100	QPSK	135	69		23.19		24.2
100	QPSK	135	138		22.85		24.2
100	QPSK	270	0		23.12		
100	16QAM	1	1		22.91		24.2
100	64QAM	1	1		22.85		24.2
100	256QAM	1	1		21.54		22.6
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	22.88	22.95	22.92	24.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.95	22.93	22.86	24.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.85	22.89	22.94	24.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.92	22.92	22.94	24.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.89	22.91	22.87	24.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.92	22.86	22.95	24.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	22.86	22.88	22.85	24.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	22.94	22.92	22.89	24.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	22.92	22.95	22.87	24.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.90	22.87	22.94	24.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.95	22.85	22.90	24.2



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.99		23.5
100	PI/2 BPSK	1	137		22.91		
100	PI/2 BPSK	1	271		22.95		
100	PI/2 BPSK	135	0		22.90		23.5
100	PI/2 BPSK	135	69		23.27		23.5
100	PI/2 BPSK	135	138		22.94		23.5
100	PI/2 BPSK	270	0		23.20		
100	QPSK	1	1		22.96		23.5
100	QPSK	1	137		22.83		
100	QPSK	1	271		22.89		
100	QPSK	135	0		22.88		23.5
100	QPSK	135	69		23.19		23.5
100	QPSK	135	138		22.85		23.5
100	QPSK	270	0		23.12		
100	16QAM	1	1		22.91		23.5
100	64QAM	1	1		22.85		23.5
100	256QAM	1	1		21.54		22.6
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	22.88	22.95	22.92	23.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.95	22.93	22.86	23.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.85	22.89	22.94	23.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.92	22.92	22.94	23.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.89	22.91	22.87	23.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.92	22.86	22.95	23.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	22.86	22.88	22.85	23.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	22.94	22.92	22.89	23.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	22.92	22.95	22.87	23.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.90	22.87	22.94	23.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.95	22.85	22.90	23.5



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.34		26.5
100	PI/2 BPSK	1	137		25.57		
100	PI/2 BPSK	1	271		25.49		
100	PI/2 BPSK	135	0		24.93		26.0
100	PI/2 BPSK	135	69		25.47		26.5
100	PI/2 BPSK	135	138		25.03		26.0
100	PI/2 BPSK	270	0		24.99		
100	QPSK	1	1		25.33		26.5
100	QPSK	1	137		25.55		
100	QPSK	1	271		25.42		
100	QPSK	135	0		24.43		25.5
100	QPSK	135	69		25.54		26.5
100	QPSK	135	138		24.51		25.5
100	QPSK	270	0		24.40		
100	16QAM	1	1		24.32		25.5
100	64QAM	1	1		22.80		24.0
100	256QAM	1	1		21.12		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.29	25.41	25.37	26.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.19	25.31	25.27	26.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.20	25.34	25.30	26.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.19	25.33	25.28	26.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.22	25.31	25.31	26.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.21	25.33	25.29	26.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.19	25.33	25.29	26.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	25.24	25.36	25.27	26.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.21	25.32	25.30	26.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.23	25.36	25.27	26.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.21	25.34	25.27	26.5



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.34		26.5
100	PI/2 BPSK	1	137		25.57		
100	PI/2 BPSK	1	271		25.49		
100	PI/2 BPSK	135	0		24.93		26.0
100	PI/2 BPSK	135	69		25.47		26.5
100	PI/2 BPSK	135	138		25.03		26.0
100	PI/2 BPSK	270	0		24.99		
100	QPSK	1	1		25.33		26.5
100	QPSK	1	137		25.55		
100	QPSK	1	271		25.42		
100	QPSK	135	0		24.43		25.5
100	QPSK	135	69		25.54		26.5
100	QPSK	135	138		24.51		25.5
100	QPSK	270	0		24.40		
100	16QAM	1	1		24.32		25.5
100	64QAM	1	1		22.80		24.0
100	256QAM	1	1		21.12		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.29	25.41	25.37	26.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.19	25.31	25.27	26.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.20	25.34	25.30	26.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.19	25.33	25.28	26.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.22	25.31	25.31	26.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.21	25.33	25.29	26.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.19	25.33	25.29	26.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	25.24	25.36	25.27	26.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.21	25.32	25.30	26.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.23	25.36	25.27	26.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.21	25.34	25.27	26.5



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.05		24.9
100	PI/2 BPSK	1	137		23.99		
100	PI/2 BPSK	1	271		24.00		
100	PI/2 BPSK	135	0		24.16		24.9
100	PI/2 BPSK	135	69		24.21		24.9
100	PI/2 BPSK	135	138		24.08		24.9
100	PI/2 BPSK	270	0		24.08		
100	QPSK	1	1		24.04		24.9
100	QPSK	1	137		24.00		
100	QPSK	1	271		23.89		
100	QPSK	135	0		24.09		24.9
100	QPSK	135	69		24.21		24.9
100	QPSK	135	138		24.06		24.9
100	QPSK	270	0		24.00		
100	16QAM	1	1		24.02		24.9
100	64QAM	1	1		22.51		24.0
100	256QAM	1	1		20.78		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.82	24.02	23.89	24.9
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.86	24.00	23.96	24.9
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.85	24.00	23.87	24.9
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.79	23.94	23.93	24.9
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.83	24.00	23.90	24.9
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.82	23.97	23.94	24.9
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.78	23.92	23.89	24.9
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.82	23.92	23.90	24.9
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.81	24.00	23.96	24.9
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.85	23.98	23.92	24.9
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.87	24.01	23.92	24.9



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		25.6
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.05		25.6
100	PI/2 BPSK	1	137		23.99		
100	PI/2 BPSK	1	271		24.00		
100	PI/2 BPSK	135	0		24.16		25.6
100	PI/2 BPSK	135	69		24.21		25.6
100	PI/2 BPSK	135	138		24.08		25.6
100	PI/2 BPSK	270	0		24.08		
100	QPSK	1	1		24.04		25.6
100	QPSK	1	137		24.00		
100	QPSK	1	271		23.89		
100	QPSK	135	0		24.09		25.5
100	QPSK	135	69		24.21		25.6
100	QPSK	135	138		24.06		25.5
100	QPSK	270	0		24.00		
100	16QAM	1	1		24.02		25.5
100	64QAM	1	1		22.51		24.0
100	256QAM	1	1		20.78		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.82	24.02	23.89	25.6
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.86	24.00	23.96	25.6
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.85	24.00	23.87	25.6
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.79	23.94	23.93	25.6
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.83	24.00	23.90	25.6
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.82	23.97	23.94	25.6
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.78	23.92	23.89	25.6
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.82	23.92	23.90	25.6
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.81	24.00	23.96	25.6
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.85	23.98	23.92	25.6
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.87	24.01	23.92	25.6



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Part 270

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.05		24.9
100	PI/2 BPSK	1	137		23.99		
100	PI/2 BPSK	1	271		24.00		
100	PI/2 BPSK	135	0		24.16		24.9
100	PI/2 BPSK	135	69		24.21		24.9
100	PI/2 BPSK	135	138		24.08		24.9
100	PI/2 BPSK	270	0		24.08		
100	QPSK	1	1		24.04		24.9
100	QPSK	1	137		24.00		
100	QPSK	1	271		23.89		
100	QPSK	135	0		24.09		24.9
100	QPSK	135	69		24.21		24.9
100	QPSK	135	138		24.06		24.9
100	QPSK	270	0		24.00		
100	16QAM	1	1		24.02		24.9
100	64QAM	1	1		22.51		24.0
100	256QAM	1	1		20.78		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.82	24.02	23.89	24.9
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.86	24.00	23.96	24.9
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.85	24.00	23.87	24.9
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.79	23.94	23.93	24.9
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.83	24.00	23.90	24.9
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.82	23.97	23.94	24.9
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.78	23.92	23.89	24.9
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.82	23.92	23.90	24.9
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.81	24.00	23.96	24.9
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.85	23.98	23.92	24.9
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.87	24.01	23.92	24.9



<FR1 n78_Ant 1_Index 2> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.99		16.7
100	PI/2 BPSK	1	137		15.95		
100	PI/2 BPSK	1	271		15.84		
100	PI/2 BPSK	135	0		15.97		16.7
100	PI/2 BPSK	135	69		15.98		16.7
100	PI/2 BPSK	135	138		15.94		16.7
100	PI/2 BPSK	270	0		15.99		
100	QPSK	1	1		15.81		16.7
100	QPSK	1	137		15.75		
100	QPSK	1	271		15.75		
100	QPSK	135	0		15.86		16.7
100	QPSK	135	69		15.74		16.7
100	QPSK	135	138		15.81		16.7
100	QPSK	270	0		15.87		
100	16QAM	1	1		15.74		16.7
100	64QAM	1	1		15.81		16.7
100	256QAM	1	1		15.81		16.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.84	15.82	15.84	16.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	15.83	15.91	15.92	16.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	15.92	15.90	15.83	16.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	15.91	15.88	15.84	16.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	15.87	15.89	15.88	16.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	15.88	15.90	15.82	16.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	15.89	15.86	15.89	16.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	15.92	15.84	15.87	16.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	15.85	15.86	15.85	16.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	15.88	15.85	15.86	16.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	15.83	15.86	15.89	16.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.99		16.0
100	PI/2 BPSK	1	137		15.95		
100	PI/2 BPSK	1	271		15.84		
100	PI/2 BPSK	135	0		15.97		16.0
100	PI/2 BPSK	135	69		15.98		16.0
100	PI/2 BPSK	135	138		15.94		16.0
100	PI/2 BPSK	270	0		15.99		
100	QPSK	1	1		15.81		16.0
100	QPSK	1	137		15.75		
100	QPSK	1	271		15.75		
100	QPSK	135	0		15.86		16.0
100	QPSK	135	69		15.74		16.0
100	QPSK	135	138		15.81		16.0
100	QPSK	270	0		15.87		
100	16QAM	1	1		15.74		16.0
100	64QAM	1	1		15.81		16.0
100	256QAM	1	1		15.81		16.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.84	15.82	15.84	16.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	15.83	15.91	15.92	16.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	15.92	15.90	15.83	16.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	15.91	15.88	15.84	16.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	15.87	15.89	15.88	16.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	15.88	15.90	15.82	16.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	15.89	15.86	15.89	16.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	15.92	15.84	15.87	16.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	15.85	15.86	15.85	16.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	15.88	15.85	15.86	16.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	15.83	15.86	15.89	16.0



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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)
Channel					633332		21.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.04		21.0
100	PI/2 BPSK	1	137		20.95		
100	PI/2 BPSK	1	271		20.86		
100	PI/2 BPSK	135	0		20.74		21.0
100	PI/2 BPSK	135	69		20.76		21.0
100	PI/2 BPSK	135	138		20.73		21.0
100	PI/2 BPSK	270	0		20.74		
100	QPSK	1	1		20.92		21.0
100	QPSK	1	137		20.94		
100	QPSK	1	271		20.94		
100	QPSK	135	0		20.90		21.0
100	QPSK	135	69		20.94		21.0
100	QPSK	135	138		20.93		21.0
100	QPSK	270	0		20.94		
100	16QAM	1	1		20.98		21.0
100	64QAM	1	1		21.00		21.0
100	256QAM	1	1		19.56		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.81	20.90	20.85	21.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.83	20.88	20.80	21.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.90	20.83	20.82	21.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.82	20.90	20.90	21.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.82	20.80	20.90	21.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.88	20.89	20.86	21.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.84	20.89	20.89	21.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.90	20.81	20.83	21.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.83	20.90	20.80	21.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.80	20.88	20.86	21.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.87	20.82	20.84	21.0



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.10		23.0
100	PI/2 BPSK	1	137		22.00		
100	PI/2 BPSK	1	271		21.98		
100	PI/2 BPSK	135	0		21.83		23.0
100	PI/2 BPSK	135	69		21.84		23.0
100	PI/2 BPSK	135	138		21.76		23.0
100	PI/2 BPSK	270	0		21.98		
100	QPSK	1	1		21.98		23.0
100	QPSK	1	137		21.87		
100	QPSK	1	271		21.89		
100	QPSK	135	0		21.87		23.0
100	QPSK	135	69		21.89		23.0
100	QPSK	135	138		21.82		23.0
100	QPSK	270	0		21.85		
100	16QAM	1	1		21.97		23.0
100	64QAM	1	1		21.42		22.5
100	256QAM	1	1		19.49		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.01	21.99	22.03	23.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.04	22.00	22.07	23.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.04	22.05	22.07	23.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.07	22.03	21.98	23.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.03	22.00	21.99	23.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.07	21.99	22.06	23.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.07	22.05	22.04	23.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.07	21.99	22.01	23.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.98	21.97	22.06	23.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.04	22.07	21.98	23.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.04	22.04	22.02	23.0



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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)
Channel					633332		22.3
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.10		22.3
100	PI/2 BPSK	1	137		22.00		
100	PI/2 BPSK	1	271		21.98		22.3
100	PI/2 BPSK	135	0		21.83		
100	PI/2 BPSK	135	69		21.84		22.3
100	PI/2 BPSK	135	138		21.76		
100	PI/2 BPSK	270	0		21.98		22.3
100	QPSK	1	1		21.98		
100	QPSK	1	137		21.87		22.3
100	QPSK	1	271		21.89		
100	QPSK	135	0		21.87		22.3
100	QPSK	135	69		21.89		
100	QPSK	135	138		21.82		22.3
100	QPSK	270	0		21.85		
100	16QAM	1	1		21.97		22.3
100	64QAM	1	1		21.42		
100	256QAM	1	1		19.49		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.01	21.99	22.03	22.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.04	22.00	22.07	22.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.04	22.05	22.07	22.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.07	22.03	21.98	22.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.03	22.00	21.99	22.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.07	21.99	22.06	22.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.07	22.05	22.04	22.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.07	21.99	22.01	22.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.98	21.97	22.06	22.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.04	22.07	21.98	22.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.04	22.04	22.02	22.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.86		19.4
100	PI/2 BPSK	1	137		18.77		
100	PI/2 BPSK	1	271		18.66		
100	PI/2 BPSK	135	0		18.54		19.4
100	PI/2 BPSK	135	69		18.52		19.4
100	PI/2 BPSK	135	138		18.51		19.4
100	PI/2 BPSK	270	0		18.65		
100	QPSK	1	1		18.80		19.4
100	QPSK	1	137		18.65		
100	QPSK	1	271		18.64		
100	QPSK	135	0		18.40		19.4
100	QPSK	135	69		18.48		19.4
100	QPSK	135	138		18.39		19.4
100	QPSK	270	0		18.56		
100	16QAM	1	1		18.75		19.4
100	64QAM	1	1		18.75		19.4
100	256QAM	1	1		18.44		19.4
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.74	18.74	18.75	19.4
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.78	18.78	18.79	19.4
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.72	18.80	18.77	19.4
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.72	18.74	18.81	19.4
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.77	18.73	18.77	19.4
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.76	18.78	18.80	19.4
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.72	18.76	18.80	19.4
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.81	18.77	18.81	19.4
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.74	18.80	18.74	19.4
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.76	18.80	18.72	19.4
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.81	18.76	18.80	19.4



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.70		18.7
100	PI/2 BPSK	1	137		18.61		
100	PI/2 BPSK	1	271		18.50		
100	PI/2 BPSK	135	0		18.38		18.7
100	PI/2 BPSK	135	69		18.36		18.7
100	PI/2 BPSK	135	138		18.35		18.7
100	PI/2 BPSK	270	0		18.49		
100	QPSK	1	1		18.64		18.7
100	QPSK	1	137		18.49		
100	QPSK	1	271		18.48		
100	QPSK	135	0		18.24		18.7
100	QPSK	135	69		18.32		18.7
100	QPSK	135	138		18.23		18.7
100	QPSK	270	0		18.40		
100	16QAM	1	1		18.59		18.7
100	64QAM	1	1		18.59		18.7
100	256QAM	1	1		18.28		18.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.58	18.58	18.59	18.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.62	18.62	18.63	18.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.56	18.64	18.61	18.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.56	18.58	18.65	18.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.61	18.57	18.61	18.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.60	18.62	18.64	18.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.56	18.60	18.64	18.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.65	18.61	18.65	18.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.58	18.64	18.58	18.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.60	18.64	18.56	18.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.65	18.60	18.64	18.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.18		24.5
100	PI/2 BPSK	1	137		23.72		
100	PI/2 BPSK	1	271		23.61		
100	PI/2 BPSK	135	0		23.43		24.5
100	PI/2 BPSK	135	69		23.76		24.5
100	PI/2 BPSK	135	138		23.12		24.5
100	PI/2 BPSK	270	0		23.33		
100	QPSK	1	1		24.15		24.5
100	QPSK	1	137		23.77		
100	QPSK	1	271		23.65		
100	QPSK	135	0		23.04		24.0
100	QPSK	135	69		23.78		24.5
100	QPSK	135	138		23.03		24.0
100	QPSK	270	0		22.83		
100	16QAM	1	1		23.27		24.0
100	64QAM	1	1		21.65		22.5
100	256QAM	1	1		19.72		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.11	24.15	24.12	24.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.08	24.12	24.09	24.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.17	24.14	24.16	24.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.14	24.08	24.13	24.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.11	24.12	24.11	24.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.13	24.13	24.11	24.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.08	24.10	24.10	24.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.08	24.14	24.16	24.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.14	24.05	24.08	24.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.15	24.17	24.10	24.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.08	24.13	24.14	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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.18		25.0
100	PI/2 BPSK	1	137		23.72		
100	PI/2 BPSK	1	271		23.61		
100	PI/2 BPSK	135	0		23.43		24.5
100	PI/2 BPSK	135	69		23.76		25.0
100	PI/2 BPSK	135	138		23.12		24.5
100	PI/2 BPSK	270	0		23.33		
100	QPSK	1	1		24.15		25.0
100	QPSK	1	137		23.77		
100	QPSK	1	271		23.65		
100	QPSK	135	0		23.04		24.0
100	QPSK	135	69		23.78		25.0
100	QPSK	135	138		23.03		24.0
100	QPSK	270	0		22.83		
100	16QAM	1	1		23.27		24.0
100	64QAM	1	1		21.65		22.5
100	256QAM	1	1		19.72		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.11	24.15	24.12	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.08	24.12	24.09	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.17	24.14	24.16	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.14	24.08	24.13	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.11	24.12	24.11	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.13	24.13	24.11	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.08	24.10	24.10	25.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.08	24.14	24.16	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.14	24.05	24.08	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.15	24.17	24.10	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.08	24.13	24.14	25.0



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.18		24.5
100	PI/2 BPSK	1	137		23.72		
100	PI/2 BPSK	1	271		23.61		
100	PI/2 BPSK	135	0		23.43		24.5
100	PI/2 BPSK	135	69		23.76		24.5
100	PI/2 BPSK	135	138		23.12		24.5
100	PI/2 BPSK	270	0		23.33		
100	QPSK	1	1		24.15		
100	QPSK	1	137		23.77		24.5
100	QPSK	1	271		23.65		
100	QPSK	135	0		23.04		
100	QPSK	135	69		23.78		24.5
100	QPSK	135	138		23.03		24.0
100	QPSK	270	0		22.83		
100	16QAM	1	1		23.27		
100	64QAM	1	1		21.65		22.5
100	256QAM	1	1		19.72		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.11	24.15	24.12	24.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.08	24.12	24.09	24.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.17	24.14	24.16	24.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.14	24.08	24.13	24.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.11	24.12	24.11	24.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.13	24.13	24.11	24.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.08	24.10	24.10	24.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.08	24.14	24.16	24.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.14	24.05	24.08	24.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.15	24.17	24.10	24.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.08	24.13	24.14	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)
Channel					633332		25.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.26		
100	PI/2 BPSK	1	137		23.82		25.0
100	PI/2 BPSK	1	271		24.10		
100	PI/2 BPSK	135	0		23.40		24.5
100	PI/2 BPSK	135	69		23.84		25.0
100	PI/2 BPSK	135	138		23.40		24.5
100	PI/2 BPSK	270	0		23.41		
100	QPSK	1	1		24.25		25.0
100	QPSK	1	137		23.82		
100	QPSK	1	271		24.11		
100	QPSK	135	0		22.91		24.0
100	QPSK	135	69		23.85		25.0
100	QPSK	135	138		22.90		24.0
100	QPSK	270	0		22.92		
100	16QAM	1	1		23.28		24.0
100	64QAM	1	1		21.65		22.5
100	256QAM	1	1		19.73		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.18	24.17	24.25	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.23	24.20	24.24	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.21	24.23	24.20	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.16	24.20	24.16	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.24	24.16	24.25	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.18	24.22	24.20	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.20	24.23	24.19	25.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.22	24.22	24.18	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.19	24.25	24.23	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.16	24.17	24.20	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.23	24.24	24.16	25.0



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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)
Channel					633332		25.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.26		25.0
100	PI/2 BPSK	1	137		23.82		
100	PI/2 BPSK	1	271		24.10		
100	PI/2 BPSK	135	0		23.40		24.5
100	PI/2 BPSK	135	69		23.84		25.0
100	PI/2 BPSK	135	138		23.40		24.5
100	PI/2 BPSK	270	0		23.41		
100	QPSK	1	1		24.25		25.0
100	QPSK	1	137		23.82		
100	QPSK	1	271		24.11		
100	QPSK	135	0		22.91		24.0
100	QPSK	135	69		23.85		25.0
100	QPSK	135	138		22.90		24.0
100	QPSK	270	0		22.92		
100	16QAM	1	1		23.28		24.0
100	64QAM	1	1		21.65		22.5
100	256QAM	1	1		19.73		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.18	24.17	24.25	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.23	24.20	24.24	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.21	24.23	24.20	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.16	24.20	24.16	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.24	24.16	24.25	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.18	24.22	24.20	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.20	24.23	24.19	25.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.22	24.22	24.18	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.19	24.25	24.23	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.16	24.17	24.20	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.23	24.24	24.16	25.0



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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)
Channel					633332		20.4
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.82		20.4
100	PI/2 BPSK	1	137		19.77		
100	PI/2 BPSK	1	271		19.69		20.4
100	PI/2 BPSK	135	0		19.76		
100	PI/2 BPSK	135	69		20.00		20.4
100	PI/2 BPSK	135	138		19.75		
100	PI/2 BPSK	270	0		19.92		20.4
100	QPSK	1	1		19.71		
100	QPSK	1	137		19.68		20.4
100	QPSK	1	271		19.77		
100	QPSK	135	0		19.61		20.4
100	QPSK	135	69		19.98		
100	QPSK	135	138		19.67		20.4
100	QPSK	270	0		19.81		
100	16QAM	1	1		19.76		20.4
100	64QAM	1	1		19.72		
100	256QAM	1	1		19.20		20.4
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.77	19.80	19.72	20.4
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.74	19.77	19.76	20.4
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.73	19.75	19.76	20.4
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.72	19.80	19.70	20.4
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.80	19.77	19.75	20.4
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.77	19.70	19.72	20.4
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.78	19.79	19.71	20.4
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.75	19.79	19.74	20.4
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.72	19.72	19.79	20.4
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.72	19.76	19.78	20.4
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.74	19.77	19.70	20.4



<FR1 n78_Ant 6_Index 5> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.82		21.1
100	PI/2 BPSK	1	137		19.77		
100	PI/2 BPSK	1	271		19.69		
100	PI/2 BPSK	135	0		19.76		21.1
100	PI/2 BPSK	135	69		20.00		21.1
100	PI/2 BPSK	135	138		19.75		21.1
100	PI/2 BPSK	270	0		19.92		
100	QPSK	1	1		19.71		21.1
100	QPSK	1	137		19.68		
100	QPSK	1	271		19.77		
100	QPSK	135	0		19.61		21.1
100	QPSK	135	69		19.98		21.1
100	QPSK	135	138		19.67		21.1
100	QPSK	270	0		19.81		
100	16QAM	1	1		19.76		21.1
100	64QAM	1	1		19.72		21.1
100	256QAM	1	1		19.20		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.77	19.80	19.72	21.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.74	19.77	19.76	21.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.73	19.75	19.76	21.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.72	19.80	19.70	21.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.80	19.77	19.75	21.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.77	19.70	19.72	21.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.78	19.79	19.71	21.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.75	19.79	19.74	21.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.72	19.72	19.79	21.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.72	19.76	19.78	21.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.74	19.77	19.70	21.1



<FR1 n78_Ant 6_Index 6> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.82		20.4
100	PI/2 BPSK	1	137		19.77		
100	PI/2 BPSK	1	271		19.69		
100	PI/2 BPSK	135	0		19.76		20.4
100	PI/2 BPSK	135	69		20.00		20.4
100	PI/2 BPSK	135	138		19.75		20.4
100	PI/2 BPSK	270	0		19.92		
100	QPSK	1	1		19.71		20.4
100	QPSK	1	137		19.68		
100	QPSK	1	271		19.77		
100	QPSK	135	0		19.61		20.4
100	QPSK	135	69		19.98		20.4
100	QPSK	135	138		19.67		20.4
100	QPSK	270	0		19.81		
100	16QAM	1	1		19.76		20.4
100	64QAM	1	1		19.72		20.4
100	256QAM	1	1		19.20		20.4
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.77	19.80	19.72	20.4
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.74	19.77	19.76	20.4
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.73	19.75	19.76	20.4
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.72	19.80	19.70	20.4
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.80	19.77	19.75	20.4
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.77	19.70	19.72	20.4
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.78	19.79	19.71	20.4
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.75	19.79	19.74	20.4
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.72	19.72	19.79	20.4
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.72	19.76	19.78	20.4
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.74	19.77	19.70	20.4



<FR1 n78_Ant 7_Index 2> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.32		24.4
100	PI/2 BPSK	1	137		23.64		
100	PI/2 BPSK	1	271		23.29		
100	PI/2 BPSK	135	0		22.96		23.9
100	PI/2 BPSK	135	69		23.51		24.4
100	PI/2 BPSK	135	138		22.92		23.9
100	PI/2 BPSK	270	0		23.01		
100	QPSK	1	1		23.29		24.4
100	QPSK	1	137		23.60		
100	QPSK	1	271		23.29		
100	QPSK	135	0		22.49		23.4
100	QPSK	135	69		23.58		24.4
100	QPSK	135	138		22.44		23.4
100	QPSK	270	0		22.50		
100	16QAM	1	1		22.38		23.4
100	64QAM	1	1		20.89		21.9
100	256QAM	1	1		19.09		19.9
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.28	23.31	23.30	24.4
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.22	23.21	23.20	24.4
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.17	23.20	23.21	24.4
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.19	23.24	23.19	24.4
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.16	23.25	23.22	24.4
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.20	23.24	23.21	24.4
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.19	23.23	23.24	24.4
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.19	23.19	23.24	24.4
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.20	23.20	23.19	24.4
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.23	23.19	23.23	24.4
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.18	23.20	23.21	24.4



<FR1 n78_Ant 7_Index 3> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.32		24.4
100	PI/2 BPSK	1	137		23.64		
100	PI/2 BPSK	1	271		23.29		
100	PI/2 BPSK	135	0		22.96		23.9
100	PI/2 BPSK	135	69		23.51		24.4
100	PI/2 BPSK	135	138		22.92		23.9
100	PI/2 BPSK	270	0		23.01		
100	QPSK	1	1		23.29		24.4
100	QPSK	1	137		23.60		
100	QPSK	1	271		23.29		
100	QPSK	135	0		22.49		23.4
100	QPSK	135	69		23.58		24.4
100	QPSK	135	138		22.44		23.4
100	QPSK	270	0		22.50		
100	16QAM	1	1		22.38		23.4
100	64QAM	1	1		20.89		21.9
100	256QAM	1	1		19.09		19.9
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.28	23.31	23.30	24.4
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.22	23.21	23.20	24.4
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.17	23.20	23.21	24.4
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.19	23.24	23.19	24.4
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.16	23.25	23.22	24.4
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.20	23.24	23.21	24.4
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.19	23.23	23.24	24.4
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.19	23.19	23.24	24.4
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.20	23.20	23.19	24.4
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.23	23.19	23.23	24.4
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.18	23.20	23.21	24.4



<FR1 n78_Ant 7_Index 4> 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)
Channel					633332		21.8
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.02		21.8
100	PI/2 BPSK	1	137		21.00		
100	PI/2 BPSK	1	271		21.00		
100	PI/2 BPSK	135	0		21.19		21.8
100	PI/2 BPSK	135	69		21.18		21.8
100	PI/2 BPSK	135	138		21.11		21.8
100	PI/2 BPSK	270	0		21.09		
100	QPSK	1	1		21.03		21.8
100	QPSK	1	137		21.02		
100	QPSK	1	271		21.01		
100	QPSK	135	0		21.14		21.8
100	QPSK	135	69		21.11		21.8
100	QPSK	135	138		21.03		21.8
100	QPSK	270	0		21.07		
100	16QAM	1	1		20.95		21.8
100	64QAM	1	1		20.96		21.2
100	256QAM	1	1		18.96		19.9
Channel				633000	633332	633666	21.8
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.14	21.10	21.12	21.8
Channel				632668	633332	634000	21.8
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.15	21.17	21.16	21.8
Channel				632334	633332	634332	21.8
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.15	21.16	21.15	21.8
Channel				632000	633332	634666	21.8
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.09	21.10	21.15	21.8
Channel				631668	633332	635000	21.8
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.11	21.11	21.13	21.8
Channel				631334	633332	635332	21.8
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.12	21.12	21.16	21.8
Channel				631000	633332	635666	21.8
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.09	21.11	21.13	21.8
Channel				630834	633332	635832	21.8
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.15	21.17	21.13	21.8
Channel				630668	633332	636000	21.8
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.10	21.12	21.16	21.8
Channel				630500	633332	636166	21.8
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.12	21.16	21.09	21.8
Channel				630334	633332	636332	21.8
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.16	21.15	21.13	21.8



<FR1 n78_Ant 7_Index 5> 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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.02		22.5
100	PI/2 BPSK	1	137		21.00		
100	PI/2 BPSK	1	271		21.00		
100	PI/2 BPSK	135	0		21.19		22.5
100	PI/2 BPSK	135	69		21.18		22.5
100	PI/2 BPSK	135	138		21.11		22.5
100	PI/2 BPSK	270	0		21.09		
100	QPSK	1	1		21.03		22.5
100	QPSK	1	137		21.02		
100	QPSK	1	271		21.01		
100	QPSK	135	0		21.14		22.5
100	QPSK	135	69		21.11		22.5
100	QPSK	135	138		21.03		22.5
100	QPSK	270	0		21.07		
100	16QAM	1	1		20.95		22.5
100	64QAM	1	1		20.96		21.9
100	256QAM	1	1		18.96		19.9
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.14	21.10	21.12	22.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.15	21.17	21.16	22.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.15	21.16	21.15	22.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.09	21.10	21.15	22.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.11	21.11	21.13	22.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.12	21.12	21.16	22.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.09	21.11	21.13	22.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.15	21.17	21.13	22.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.10	21.12	21.16	22.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.12	21.16	21.09	22.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.16	21.15	21.13	22.5



<FR1 n78_Ant 7_Index 6> 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)
Channel					633332		21.8
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.02		21.8
100	PI/2 BPSK	1	137		21.00		
100	PI/2 BPSK	1	271		21.00		
100	PI/2 BPSK	135	0		21.19		21.8
100	PI/2 BPSK	135	69		21.18		21.8
100	PI/2 BPSK	135	138		21.11		21.8
100	PI/2 BPSK	270	0		21.09		
100	QPSK	1	1		21.03		21.8
100	QPSK	1	137		21.02		
100	QPSK	1	271		21.01		
100	QPSK	135	0		21.14		21.8
100	QPSK	135	69		21.11		21.8
100	QPSK	135	138		21.03		21.8
100	QPSK	270	0		21.07		
100	16QAM	1	1		20.95		21.8
100	64QAM	1	1		20.96		21.2
100	256QAM	1	1		18.96		19.9
Channel				633000	633332	633666	21.8
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.14	21.10	21.12	21.8
Channel				632668	633332	634000	21.8
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.15	21.17	21.16	21.8
Channel				632334	633332	634332	21.8
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.15	21.16	21.15	21.8
Channel				632000	633332	634666	21.8
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.09	21.10	21.15	21.8
Channel				631668	633332	635000	21.8
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.11	21.11	21.13	21.8
Channel				631334	633332	635332	21.8
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.12	21.12	21.16	21.8
Channel				631000	633332	635666	21.8
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.09	21.11	21.13	21.8
Channel				630834	633332	635832	21.8
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.15	21.17	21.13	21.8
Channel				630668	633332	636000	21.8
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.10	21.12	21.16	21.8
Channel				630500	633332	636166	21.8
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.12	21.16	21.09	21.8
Channel				630334	633332	636332	21.8
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.16	21.15	21.13	21.8



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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)
Channel					633332		19.9
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.74		19.9
100	PI/2 BPSK	1	137		18.65		
100	PI/2 BPSK	1	271		18.77		
100	PI/2 BPSK	135	0		18.68		19.9
100	PI/2 BPSK	135	69		18.83		19.9
100	PI/2 BPSK	135	138		18.74		19.9
100	PI/2 BPSK	270	0		18.85		
100	QPSK	1	1		18.62		19.9
100	QPSK	1	137		18.64		
100	QPSK	1	271		18.69		
100	QPSK	135	0		18.53		19.9
100	QPSK	135	69		18.71		19.9
100	QPSK	135	138		18.64		19.9
100	QPSK	270	0		18.73		
100	16QAM	1	1		18.78		19.9
100	64QAM	1	1		18.71		19.9
100	256QAM	1	1		18.83		19.9
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.75	18.73	18.83	19.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.75	18.75	18.82	19.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.83	18.77	18.75	19.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.79	18.74	18.81	19.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.76	18.74	18.75	19.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.78	18.75	18.76	19.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.82	18.80	18.83	19.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.75	18.82	18.76	19.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.80	18.82	18.82	19.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.73	18.83	18.76	19.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.82	18.73	18.82	19.9



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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)
Channel					633332		19.2
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.74		19.2
100	PI/2 BPSK	1	137		18.65		
100	PI/2 BPSK	1	271		18.77		
100	PI/2 BPSK	135	0		18.68		19.2
100	PI/2 BPSK	135	69		18.83		19.2
100	PI/2 BPSK	135	138		18.74		19.2
100	PI/2 BPSK	270	0		18.85		
100	QPSK	1	1		18.62		19.2
100	QPSK	1	137		18.64		
100	QPSK	1	271		18.69		
100	QPSK	135	0		18.53		19.2
100	QPSK	135	69		18.71		19.2
100	QPSK	135	138		18.64		19.2
100	QPSK	270	0		18.73		
100	16QAM	1	1		18.78		19.2
100	64QAM	1	1		18.71		19.2
100	256QAM	1	1		18.83		19.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.75	18.73	18.83	19.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.75	18.75	18.82	19.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.83	18.77	18.75	19.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.79	18.74	18.81	19.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.76	18.74	18.75	19.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.78	18.75	18.76	19.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.82	18.80	18.83	19.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.75	18.82	18.76	19.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.80	18.82	18.82	19.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.73	18.83	18.76	19.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.82	18.73	18.82	19.2



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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)
Channel					633332		24.2
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.20		24.2
100	PI/2 BPSK	1	137		24.10		
100	PI/2 BPSK	1	271		24.09		
100	PI/2 BPSK	135	0		23.92		24.2
100	PI/2 BPSK	135	69		23.91		24.2
100	PI/2 BPSK	135	138		23.86		24.2
100	PI/2 BPSK	270	0		24.01		
100	QPSK	1	1		24.12		24.2
100	QPSK	1	137		24.08		
100	QPSK	1	271		24.00		
100	QPSK	135	0		23.83		24.2
100	QPSK	135	69		23.88		24.2
100	QPSK	135	138		23.88		24.2
100	QPSK	270	0		23.86		
100	16QAM	1	1		23.87		24.2
100	64QAM	1	1		22.60		23.7
100	256QAM	1	1		20.71		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.07	24.08	24.05	24.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.04	24.00	24.05	24.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.03	24.04	24.10	24.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.08	24.01	24.09	24.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.06	24.04	24.03	24.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.10	24.01	24.04	24.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.09	24.00	24.04	24.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.09	24.00	24.06	24.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.08	24.03	24.06	24.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.06	24.02	24.06	24.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.02	24.04	24.04	24.2



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.32		26.2
100	PI/2 BPSK	1	137		24.93		
100	PI/2 BPSK	1	271		24.96		
100	PI/2 BPSK	135	0		24.52		25.7
100	PI/2 BPSK	135	69		24.99		26.2
100	PI/2 BPSK	135	138		24.38		25.7
100	PI/2 BPSK	270	0		24.55		
100	QPSK	1	1		24.31		26.2
100	QPSK	1	137		24.93		
100	QPSK	1	271		24.99		
100	QPSK	135	0		24.09		25.2
100	QPSK	135	69		25.03		26.2
100	QPSK	135	138		24.02		25.2
100	QPSK	270	0		24.06		
100	16QAM	1	1		24.42		25.2
100	64QAM	1	1		22.77		23.7
100	256QAM	1	1		20.83		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.25	25.21	25.19	26.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.22	25.29	25.26	26.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.20	25.14	25.29	26.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.23	25.23	25.18	26.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.23	25.28	25.21	26.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.20	25.24	25.26	26.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.26	25.24	25.25	26.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.30	25.19	25.28	26.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.23	25.25	25.20	26.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.13	25.27	25.19	26.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.17	25.19	25.22	26.2



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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)
Channel					633332		25.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.32		25.5
100	PI/2 BPSK	1	137		24.93		
100	PI/2 BPSK	1	271		24.96		
100	PI/2 BPSK	135	0		24.52		25.5
100	PI/2 BPSK	135	69		24.99		25.5
100	PI/2 BPSK	135	138		24.38		25.5
100	PI/2 BPSK	270	0		24.55		
100	QPSK	1	1		24.31		25.5
100	QPSK	1	137		24.93		
100	QPSK	1	271		24.99		
100	QPSK	135	0		24.09		25.2
100	QPSK	135	69		25.03		25.5
100	QPSK	135	138		24.02		25.2
100	QPSK	270	0		24.06		
100	16QAM	1	1		24.42		25.2
100	64QAM	1	1		22.77		23.7
100	256QAM	1	1		20.83		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.25	25.21	25.19	25.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.22	25.29	25.26	25.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.20	25.14	25.29	25.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.23	25.23	25.18	25.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.23	25.28	25.21	25.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.20	25.24	25.26	25.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.26	25.24	25.25	25.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.30	25.19	25.28	25.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.23	25.25	25.20	25.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.13	25.27	25.19	25.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.17	25.19	25.22	25.5



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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)
Channel					633332		22.6
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.80		22.6
100	PI/2 BPSK	1	137		21.63		
100	PI/2 BPSK	1	271		21.74		
100	PI/2 BPSK	135	0		21.56		22.6
100	PI/2 BPSK	135	69		21.51		22.6
100	PI/2 BPSK	135	138		21.41		22.6
100	PI/2 BPSK	270	0		21.52		
100	QPSK	1	1		21.69		22.6
100	QPSK	1	137		21.67		
100	QPSK	1	271		21.76		
100	QPSK	135	0		21.40		22.6
100	QPSK	135	69		21.40		22.6
100	QPSK	135	138		21.41		22.6
100	QPSK	270	0		21.41		
100	16QAM	1	1		21.60		22.6
100	64QAM	1	1		21.60		22.6
100	256QAM	1	1		20.61		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.75	21.69	21.73	22.6
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.69	21.78	21.72	22.6
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.77	21.77	21.75	22.6
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.72	21.69	21.69	22.6
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.71	21.78	21.79	22.6
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.76	21.74	21.72	22.6
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.78	21.79	21.77	22.6
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.77	21.79	21.71	22.6
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.76	21.71	21.70	22.6
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.74	21.78	21.75	22.6
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.78	21.79	21.72	22.6



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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)
Channel					633332		21.9
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.80		21.9
100	PI/2 BPSK	1	137		21.63		
100	PI/2 BPSK	1	271		21.74		
100	PI/2 BPSK	135	0		21.56		21.9
100	PI/2 BPSK	135	69		21.51		21.9
100	PI/2 BPSK	135	138		21.41		21.9
100	PI/2 BPSK	270	0		21.52		
100	QPSK	1	1		21.69		21.9
100	QPSK	1	137		21.67		
100	QPSK	1	271		21.76		
100	QPSK	135	0		21.40		21.9
100	QPSK	135	69		21.40		21.9
100	QPSK	135	138		21.41		21.9
100	QPSK	270	0		21.41		
100	16QAM	1	1		21.60		21.9
100	64QAM	1	1		21.60		21.9
100	256QAM	1	1		20.61		21.7
Channel				633000	633332	633666	21.9
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.75	21.69	21.73	21.9
Channel				632668	633332	634000	21.9
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.69	21.78	21.72	21.9
Channel				632334	633332	634332	21.9
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.77	21.77	21.75	21.9
Channel				632000	633332	634666	21.9
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.72	21.69	21.69	21.9
Channel				631668	633332	635000	21.9
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.71	21.78	21.79	21.9
Channel				631334	633332	635332	21.9
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.76	21.74	21.72	21.9
Channel				631000	633332	635666	21.9
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.78	21.79	21.77	21.9
Channel				630834	633332	635832	21.9
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.77	21.79	21.71	21.9
Channel				630668	633332	636000	21.9
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.76	21.71	21.70	21.9
Channel				630500	633332	636166	21.9
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.74	21.78	21.75	21.9
Channel				630334	633332	636332	21.9
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.78	21.79	21.72	21.9



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.23		26.2
100	PI/2 BPSK	1	137		24.76		
100	PI/2 BPSK	1	271		24.65		
100	PI/2 BPSK	135	0		24.48		25.7
100	PI/2 BPSK	135	69		24.81		26.2
100	PI/2 BPSK	135	138		24.16		25.7
100	PI/2 BPSK	270	0		24.36		
100	QPSK	1	1		25.22		26.2
100	QPSK	1	137		24.80		
100	QPSK	1	271		24.68		
100	QPSK	135	0		24.08		25.2
100	QPSK	135	69		24.82		26.2
100	QPSK	135	138		24.06		25.2
100	QPSK	270	0		23.85		
100	16QAM	1	1		24.30		25.2
100	64QAM	1	1		22.67		23.7
100	256QAM	1	1		20.74		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.13	25.14	25.16	26.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.18	25.13	25.15	26.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.13	25.13	25.19	26.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.17	25.21	25.19	26.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.20	25.17	25.20	26.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.13	25.13	25.21	26.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.15	25.21	25.17	26.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.15	25.19	25.20	26.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.16	25.15	25.14	26.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.14	25.18	25.17	26.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.20	25.18	25.19	26.2



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.23		26.2
100	PI/2 BPSK	1	137		24.76		
100	PI/2 BPSK	1	271		24.65		
100	PI/2 BPSK	135	0		24.48		25.7
100	PI/2 BPSK	135	69		24.81		26.2
100	PI/2 BPSK	135	138		24.16		25.7
100	PI/2 BPSK	270	0		24.36		
100	QPSK	1	1		25.22		26.2
100	QPSK	1	137		24.80		
100	QPSK	1	271		24.68		
100	QPSK	135	0		24.08		25.2
100	QPSK	135	69		24.82		26.2
100	QPSK	135	138		24.06		25.2
100	QPSK	270	0		23.85		
100	16QAM	1	1		24.30		25.2
100	64QAM	1	1		22.67		23.7
100	256QAM	1	1		20.74		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.13	25.14	25.16	26.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.18	25.13	25.15	26.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.13	25.13	25.19	26.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.17	25.21	25.19	26.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.20	25.17	25.20	26.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.13	25.13	25.21	26.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.15	25.21	25.17	26.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.15	25.19	25.20	26.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.16	25.15	25.14	26.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.14	25.18	25.17	26.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.20	25.18	25.19	26.2



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.23		26.2
100	PI/2 BPSK	1	137		24.76		
100	PI/2 BPSK	1	271		24.65		
100	PI/2 BPSK	135	0		24.48		25.7
100	PI/2 BPSK	135	69		24.81		26.2
100	PI/2 BPSK	135	138		24.16		25.7
100	PI/2 BPSK	270	0		24.36		
100	QPSK	1	1		25.22		26.2
100	QPSK	1	137		24.80		
100	QPSK	1	271		24.68		
100	QPSK	135	0		24.08		25.2
100	QPSK	135	69		24.82		26.2
100	QPSK	135	138		24.06		25.2
100	QPSK	270	0		23.85		
100	16QAM	1	1		24.30		25.2
100	64QAM	1	1		22.67		23.7
100	256QAM	1	1		20.74		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.13	25.14	25.16	26.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.18	25.13	25.15	26.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.13	25.13	25.19	26.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.17	25.21	25.19	26.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.20	25.17	25.20	26.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.13	25.13	25.21	26.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.15	25.21	25.17	26.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.15	25.19	25.20	26.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.16	25.15	25.14	26.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.14	25.18	25.17	26.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.20	25.18	25.19	26.2



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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)
Channel					633332		27.1
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.25		27.1
100	PI/2 BPSK	1	137		25.85		
100	PI/2 BPSK	1	271		26.14		
100	PI/2 BPSK	135	0		25.46		26.6
100	PI/2 BPSK	135	69		25.92		27.1
100	PI/2 BPSK	135	138		25.46		26.6
100	PI/2 BPSK	270	0		25.48		
100	QPSK	1	1		26.24		27.1
100	QPSK	1	137		25.88		
100	QPSK	1	271		26.18		
100	QPSK	135	0		24.98		26.1
100	QPSK	135	69		25.93		27.1
100	QPSK	135	138		24.98		26.1
100	QPSK	270	0		25.00		
100	16QAM	1	1		25.35		26.1
100	64QAM	1	1		23.73		24.6
100	256QAM	1	1		21.78		22.6
Channel				633000	633332	633666	27.1
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.06	26.12	26.12	27.1
Channel				632668	633332	634000	27.1
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.13	26.13	26.15	27.1
Channel				632334	633332	634332	27.1
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.13	26.13	26.15	27.1
Channel				632000	633332	634666	27.1
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.13	26.09	26.10	27.1
Channel				631668	633332	635000	27.1
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.13	26.05	26.12	27.1
Channel				631334	633332	635332	27.1
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.07	26.10	26.15	27.1
Channel				631000	633332	635666	27.1
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.07	26.06	26.11	27.1
Channel				630834	633332	635832	27.1
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.15	26.05	26.06	27.1
Channel				630668	633332	636000	27.1
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.08	26.14	26.12	27.1
Channel				630500	633332	636166	27.1
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.12	26.13	26.08	27.1
Channel				630334	633332	636332	27.1
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.13	26.08	26.08	27.1



<FR1 n78_HPUE_Ant 6_Index 3>
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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.25		27.1
100	PI/2 BPSK	1	137		25.85		
100	PI/2 BPSK	1	271		26.14		
100	PI/2 BPSK	135	0		25.46		26.6
100	PI/2 BPSK	135	69		25.92		27.1
100	PI/2 BPSK	135	138		25.46		26.6
100	PI/2 BPSK	270	0		25.48		
100	QPSK	1	1		26.24		27.1
100	QPSK	1	137		25.88		
100	QPSK	1	271		26.18		
100	QPSK	135	0		24.98		26.1
100	QPSK	135	69		25.93		27.1
100	QPSK	135	138		24.98		26.1
100	QPSK	270	0		25.00		
100	16QAM	1	1		25.35		26.1
100	64QAM	1	1		23.73		24.6
100	256QAM	1	1		21.78		22.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.06	26.12	26.12	27.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.13	26.13	26.15	27.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.13	26.13	26.15	27.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.13	26.09	26.10	27.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.13	26.05	26.12	27.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.07	26.10	26.15	27.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.07	26.06	26.11	27.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.15	26.05	26.06	27.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.08	26.14	26.12	27.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.12	26.13	26.08	27.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.13	26.08	26.08	27.1



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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)
Channel					633332		23.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.95		23.5
100	PI/2 BPSK	1	137		22.95		
100	PI/2 BPSK	1	271		22.88		
100	PI/2 BPSK	135	0		22.84		23.5
100	PI/2 BPSK	135	69		23.06		23.5
100	PI/2 BPSK	135	138		22.86		23.5
100	PI/2 BPSK	270	0		22.98		
100	QPSK	1	1		22.90		23.5
100	QPSK	1	137		22.81		
100	QPSK	1	271		22.81		
100	QPSK	135	0		22.66		23.5
100	QPSK	135	69		22.91		23.5
100	QPSK	135	138		22.91		23.5
100	QPSK	270	0		22.84		
100	16QAM	1	1		22.91		23.5
100	64QAM	1	1		22.82		23.5
100	256QAM	1	1		21.52		22.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.78	22.87	22.80	23.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.88	22.85	22.78	23.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.88	22.81	22.80	23.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.87	22.80	22.80	23.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.86	22.85	22.78	23.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.87	22.83	22.78	23.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.83	22.82	22.85	23.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.87	22.87	22.86	23.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.86	22.80	22.87	23.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.88	22.83	22.87	23.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.88	22.81	22.84	23.5



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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)
Channel					633332		24.2
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.95		24.2
100	PI/2 BPSK	1	137		22.95		
100	PI/2 BPSK	1	271		22.88		
100	PI/2 BPSK	135	0		22.84		24.2
100	PI/2 BPSK	135	69		23.06		24.2
100	PI/2 BPSK	135	138		22.86		24.2
100	PI/2 BPSK	270	0		22.98		
100	QPSK	1	1		22.90		24.2
100	QPSK	1	137		22.81		
100	QPSK	1	271		22.81		
100	QPSK	135	0		22.66		24.2
100	QPSK	135	69		22.91		24.2
100	QPSK	135	138		22.91		24.2
100	QPSK	270	0		22.84		
100	16QAM	1	1		22.91		24.2
100	64QAM	1	1		22.82		24.2
100	256QAM	1	1		21.52		22.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.78	22.87	22.80	24.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.88	22.85	22.78	24.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.88	22.81	22.80	24.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.87	22.80	22.80	24.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.86	22.85	22.78	24.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.87	22.83	22.78	24.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.83	22.82	22.85	24.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.87	22.87	22.86	24.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.86	22.80	22.87	24.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.88	22.83	22.87	24.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.88	22.81	22.84	24.2



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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)
Channel					633332		23.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.95		23.5
100	PI/2 BPSK	1	137		22.95		
100	PI/2 BPSK	1	271		22.88		
100	PI/2 BPSK	135	0		22.84		23.5
100	PI/2 BPSK	135	69		23.06		23.5
100	PI/2 BPSK	135	138		22.86		23.5
100	PI/2 BPSK	270	0		22.98		
100	QPSK	1	1		22.90		23.5
100	QPSK	1	137		22.81		
100	QPSK	1	271		22.81		
100	QPSK	135	0		22.66		23.5
100	QPSK	135	69		22.91		23.5
100	QPSK	135	138		22.91		23.5
100	QPSK	270	0		22.84		
100	16QAM	1	1		22.91		23.5
100	64QAM	1	1		22.82		23.5
100	256QAM	1	1		21.52		22.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.78	22.87	22.80	23.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.88	22.85	22.78	23.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.88	22.81	22.80	23.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.87	22.80	22.80	23.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.86	22.85	22.78	23.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.87	22.83	22.78	23.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.83	22.82	22.85	23.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.87	22.87	22.86	23.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.86	22.80	22.87	23.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.88	22.83	22.87	23.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.88	22.81	22.84	23.5



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.34		26.5
100	PI/2 BPSK	1	137		25.60		
100	PI/2 BPSK	1	271		25.37		
100	PI/2 BPSK	135	0		24.96		26.0
100	PI/2 BPSK	135	69		25.57		26.5
100	PI/2 BPSK	135	138		24.93		26.0
100	PI/2 BPSK	270	0		24.99		
100	QPSK	1	1		25.29		26.5
100	QPSK	1	137		25.51		
100	QPSK	1	271		25.35		
100	QPSK	135	0		24.45		25.5
100	QPSK	135	69		25.56		26.5
100	QPSK	135	138		24.42		25.5
100	QPSK	270	0		24.44		
100	16QAM	1	1		24.33		25.5
100	64QAM	1	1		22.88		24.0
100	256QAM	1	1		21.12		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.28	25.33	25.31	26.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.18	25.23	25.21	26.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.21	25.24	25.22	26.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.21	25.25	25.23	26.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.17	25.23	25.25	26.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.23	25.24	25.23	26.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.22	25.27	25.20	26.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.18	25.25	25.26	26.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.23	25.23	25.24	26.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.17	25.27	25.25	26.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.17	25.22	25.23	26.5



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.34		26.5
100	PI/2 BPSK	1	137		25.60		
100	PI/2 BPSK	1	271		25.37		
100	PI/2 BPSK	135	0		24.96		26.0
100	PI/2 BPSK	135	69		25.57		26.5
100	PI/2 BPSK	135	138		24.93		26.0
100	PI/2 BPSK	270	0		24.99		
100	QPSK	1	1		25.29		26.5
100	QPSK	1	137		25.51		
100	QPSK	1	271		25.35		
100	QPSK	135	0		24.45		25.5
100	QPSK	135	69		25.56		26.5
100	QPSK	135	138		24.42		25.5
100	QPSK	270	0		24.44		
100	16QAM	1	1		24.33		25.5
100	64QAM	1	1		22.88		24.0
100	256QAM	1	1		21.12		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.28	25.33	25.31	26.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.18	25.23	25.21	26.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.21	25.24	25.22	26.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.21	25.25	25.23	26.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.17	25.23	25.25	26.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.23	25.24	25.23	26.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.22	25.27	25.20	26.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.18	25.25	25.26	26.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.23	25.23	25.24	26.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.17	25.27	25.25	26.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.17	25.22	25.23	26.5



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.03		24.9
100	PI/2 BPSK	1	137		24.01		
100	PI/2 BPSK	1	271		23.98		
100	PI/2 BPSK	135	0		24.17		24.9
100	PI/2 BPSK	135	69		24.21		24.9
100	PI/2 BPSK	135	138		24.16		24.9
100	PI/2 BPSK	270	0		24.12		
100	QPSK	1	1		24.01		24.9
100	QPSK	1	137		23.96		
100	QPSK	1	271		23.89		
100	QPSK	135	0		24.12		24.9
100	QPSK	135	69		24.20		24.9
100	QPSK	135	138		24.03		24.9
100	QPSK	270	0		23.96		
100	16QAM	1	1		23.96		24.9
100	64QAM	1	1		22.56		24.0
100	256QAM	1	1		20.84		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.83	23.94	23.90	24.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.87	23.96	23.94	24.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.86	23.93	23.96	24.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.81	24.02	23.94	24.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.88	23.92	23.91	24.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.84	24.01	23.92	24.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.79	23.97	23.96	24.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.78	23.99	23.95	24.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.88	23.96	23.96	24.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.79	23.99	23.89	24.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.80	23.95	23.92	24.9



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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)
Channel					633332		25.6
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.03		25.6
100	PI/2 BPSK	1	137		24.01		
100	PI/2 BPSK	1	271		23.98		
100	PI/2 BPSK	135	0		24.17		25.6
100	PI/2 BPSK	135	69		24.21		25.6
100	PI/2 BPSK	135	138		24.16		25.6
100	PI/2 BPSK	270	0		24.12		
100	QPSK	1	1		24.01		25.6
100	QPSK	1	137		23.96		
100	QPSK	1	271		23.89		
100	QPSK	135	0		24.12		25.5
100	QPSK	135	69		24.20		25.6
100	QPSK	135	138		24.03		25.5
100	QPSK	270	0		23.96		
100	16QAM	1	1		23.96		25.5
100	64QAM	1	1		22.56		24.0
100	256QAM	1	1		20.84		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.83	23.94	23.90	25.6
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.87	23.96	23.94	25.6
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.86	23.93	23.96	25.6
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.81	24.02	23.94	25.6
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.88	23.92	23.91	25.6
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.84	24.01	23.92	25.6
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.79	23.97	23.96	25.6
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.78	23.99	23.95	25.6
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.88	23.96	23.96	25.6
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.79	23.99	23.89	25.6
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.80	23.95	23.92	25.6



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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)
Channel					633332		24.9
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.03		24.9
100	PI/2 BPSK	1	137		24.01		
100	PI/2 BPSK	1	271		23.98		
100	PI/2 BPSK	135	0		24.17		24.9
100	PI/2 BPSK	135	69		24.21		24.9
100	PI/2 BPSK	135	138		24.16		24.9
100	PI/2 BPSK	270	0		24.12		
100	QPSK	1	1		24.01		24.9
100	QPSK	1	137		23.96		
100	QPSK	1	271		23.89		
100	QPSK	135	0		24.12		24.9
100	QPSK	135	69		24.20		24.9
100	QPSK	135	138		24.03		24.9
100	QPSK	270	0		23.96		
100	16QAM	1	1		23.96		24.9
100	64QAM	1	1		22.56		24.0
100	256QAM	1	1		20.84		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.83	23.94	23.90	24.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.87	23.96	23.94	24.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.86	23.93	23.96	24.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.81	24.02	23.94	24.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.88	23.92	23.91	24.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.84	24.01	23.92	24.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.79	23.97	23.96	24.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.78	23.99	23.95	24.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.88	23.96	23.96	24.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.79	23.99	23.89	24.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.80	23.95	23.92	24.9



<Non-terrestrial Network Note>

General Note:

1. Due to test setup limitations, SAR testing for Non-terrestrial Network was performed using Factory Test Mode software to establish the connection.

<Band 23_Ant 1_Index 1/5>

Sub-carrier Spacing (KHz)	Modulation	SC Size	SC Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				25501	25600	25699	
Frequency (MHz)				2000.1	2010	2019.9	
3.75	BPSK	1	0	21.95	22.00	21.93	
3.75	BPSK	1	46	22.19	22.10	22.15	23.7
3.75	QPSK	1	0	22.00	21.88	22.02	
3.75	QPSK	1	46	22.22	22.03	22.18	
15	BPSK	1	0	22.37	22.25	22.30	
15	BPSK	1	10	22.33	22.21	22.24	
15	QPSK	1	0	22.36	22.23	22.29	
15	QPSK	1	10	22.35	22.19	22.21	
15	QPSK	12	0	20.58	20.56	20.55	21.7

< Band 255_Ant 5_Index 1/5>

Sub-carrier Spacing (KHz)	Modulation	SC Size	SC Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				261505	261674	261843	
Frequency (MHz)				1626.6	1643.5	1660.4	
3.75	BPSK	1	0	22.37	22.12	22.33	23.5
3.75	BPSK	1	46	22.37	22.11	22.31	
3.75	QPSK	1	0	22.35	22.13	22.40	
3.75	QPSK	1	46	22.35	22.25	22.33	
15	BPSK	1	0	22.41	22.09	22.33	
15	BPSK	1	10	22.40	22.23	22.38	
15	QPSK	1	0	22.34	22.07	22.32	
15	QPSK	1	10	22.39	22.19	22.36	21.5
15	QPSK	12	0	20.82	20.78	20.78	



<WLAN Note>

1. The SISO mode support only when the Antenna 3 and 4 is transmitting on 802.11b mode, other support MIMO mode.
2. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For "Not required", SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, additional output power measurements were not necessary.
3. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
4. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
5. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
6. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.18 The initial test position procedure is described in the following:
 - a. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
 - b. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
 - c. For all positions/configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
7. Per 201904 TCBC workshops, General principles of FCC KDB Publication 248227 D01 can be applied to determine the SAR Initial Test Configurations and test reduction for 802.11ax SAR testing. For the table below the 802.11ax maximum power is SU (non-OFDMA), and the SU maximum power also higher than RU (OFDMA)
8. In applying the test guidance, the IEEE 802.11 mode with the maximum output power (out of all modes) should be considered for testing
9. For modes with the same maximum output power, the guidance from section 5.3.2 a) of FCC KDB Publication 248227 D01 should be applied, with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency bands
10. When SAR testing for 802.11ax is required
 - a. If the maximum output power is highest for OFDMA scenarios, choose the tone size with the maximum number of tones and the highest maximum output power
 - b. Otherwise, consider the fully allocated channel for SAR testing
 - c. When SAR testing is required on RU sizes less than the fully allocated channel, use the RU number closest to the middle of the channel, choosing the higher RU number when two RUs are equidistant to the middle of the channel

<Bluetooth>

1. For 2.4GHz Bluetooth SAR testing was selected ER/EDR 1Mbps due to its highest average power and duty cycle list below are considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation, for the duty cycle figure and output power include in appendix D.

	Power Index	Antenna	Duty Cycle %
Bluetooth	1/2/3/4	Ant 4	77.13
	1/2/3/4	Ant 3	77.13
	1/2/3/4	Ant 4+3	77.13



WLAN 2.4GHz Power index 1

				Ant 3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	17.35	19.00	100.00
		6	2437	17.35	19.00	
		11	2462	17.45	19.00	
		12	2467	17.05	19.00	
		13	2472	17.35	19.00	

				Ant 4		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	17.38	19.00	100.00
		6	2437	17.28	19.00	
		11	2462	17.38	19.00	
		12	2467	17.28	19.00	
		13	2472	17.38	19.00	

				Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		Duty Cycle %
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11g 6Mbps	1	2412	18.15	19.00	18.18	19.00	21.18	22.00	100.00
		6	2437	17.85	19.00	18.08	19.00	20.98	22.00	
		11	2462	17.35	17.50	17.28	17.50	20.33	20.50	
		12	2467	14.85	15.50	15.28	15.50	18.08	18.50	
		13	2472	8.85	9.00	8.98	9.00	11.93	12.00	
	802.11n-HT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		19.00		19.00		22.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.00		14.00		17.00	
		13	2472		9.50		9.50		12.50	
	802.11ac-VHT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		19.00		19.00		22.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.00		14.00		17.00	
	802.11ax-HE20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		19.00		19.00		22.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.50		14.50		17.50	
	802.11be-EHT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		19.00		19.00		22.00	
11		2462	16.00		16.00		19.00			
12		2467	14.50		14.50		17.50			
	1	2412	Not required	9.50	Not required	9.50	Not required	12.50	Not required	
	6	2437		9.50		9.50		12.50		
	11	2462		9.50		9.50		12.50		
	13	2472		9.50		9.50		12.50		



WLAN 2.4GHz Power index 2

				Ant 3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	17.35	18.00	100.00
		6	2437	17.35	18.00	
		11	2462	17.45	18.00	
		12	2467	17.05	18.00	
		13	2472	17.35	18.00	

				Ant 4		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	17.38	18.00	100.00
		6	2437	17.28	18.00	
		11	2462	17.38	18.00	
		12	2467	17.28	18.00	
		13	2472	17.38	18.00	

				Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		Duty Cycle %
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11g 6Mbps	1	2412	16.95	18.00	17.38	18.00	20.18	21.00	100.00
		6	2437	16.55	18.00	17.28	18.00	19.94	21.00	
		11	2462	17.05	17.50	16.98	17.50	20.03	20.50	
		12	2467	14.85	15.50	15.28	15.50	18.08	18.50	
		13	2472	8.85	9.00	8.98	9.00	11.93	12.00	
	802.11n-HT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		18.00		18.00		21.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.00		14.00		17.00	
		13	2472		9.50		9.50		12.50	
	802.11ac-VHT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		18.00		18.00		21.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.00		14.00		17.00	
	802.11ax-HE20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		18.00		18.00		21.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.50		14.50		17.50	
	802.11be-EHT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		18.00		18.00		21.00	
11		2462	16.00		16.00		19.00			
12		2467	14.50		14.50		17.50			
		13	2472	9.50	9.50	12.50	12.50			



WLAN 2.4GHz Power index 3

				Ant 3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	12.95	14.50	100.00
		6	2437	12.75	14.50	
		11	2462	12.85	14.50	
		12	2467	12.75	14.50	
		13	2472	12.95	14.50	

				Ant 4		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	13.08	14.50	100.00
		6	2437	12.98	14.50	
		11	2462	13.08	14.50	
		12	2467	13.18	14.50	
		13	2472	12.88	14.50	

				Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		Duty Cycle %				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit					
	802.11g 6Mbps	1	2412	12.75	14.50	13.18	14.50	15.98	17.50	100.00				
		6	2437	12.65	14.50	13.28	14.50	15.99	17.50					
		11	2462	12.85	14.50	13.48	14.50	16.19	17.50					
		12	2467	12.97	14.50	13.58	14.50	16.30	17.50					
		13	2472	8.85	9.00	8.98	9.00	11.93	12.00					
	802.11n-HT20 MCS0	1	2412	Not required	14.50	Not required	14.50	14.50	Not required	17.50	Not required			
		6	2437									14.50	14.50	17.50
		11	2462									14.50	14.50	17.50
		12	2467									14.00	14.00	17.00
	802.11ac-VHT20 MCS0	1	2412	Not required	14.50	Not required	14.50	14.50	Not required	17.50	Not required			
		6	2437									14.50	14.50	17.50
		11	2462									14.50	14.50	17.50
		12	2467									14.00	14.00	17.00
	802.11ax-HE20 MCS0	1	2412	Not required	14.50	Not required	14.50	14.50	Not required	17.50	Not required			
		6	2437									14.50	14.50	17.50
		11	2462									14.50	14.50	17.50
		12	2467									14.50	14.50	17.50
	802.11be-EHT20 MCS0	1	2412	Not required	14.50	Not required	14.50	14.50	Not required	17.50	Not required			
		6	2437									14.50	14.50	17.50
		11	2462									14.50	14.50	17.50
12		2467	14.50									14.50	17.50	
		13	2472	9.50	9.50	9.50	9.50	12.50						



WLAN 2.4GHz Power index 4

				Ant 3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	12.05	12.50	100.00
		6	2437	11.85	12.50	
		11	2462	11.85	12.50	
		12	2467	11.85	12.50	
		13	2472	11.85	12.50	

				Ant 4		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	12.18	12.50	100.00
		6	2437	12.08	12.50	
		11	2462	12.18	12.50	
		12	2467	12.48	12.50	
		13	2472	12.38	12.50	

				Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		Duty Cycle %
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11g 6Mbps	1	2412	11.75	12.50	12.38	12.50	15.09	15.50	100.00
		6	2437	11.75	12.50	12.48	12.50	15.14	15.50	
		11	2462	11.55	12.50	12.18	12.50	14.89	15.50	
		12	2467	12.25	12.50	12.38	12.50	15.33	15.50	
		13	2472	8.85	9.00	8.98	9.00	11.93	12.00	
	802.11n-HT20 MCS0	1	2412	Not required	12.50	Not required	12.50	Not required	15.50	Not required
		6	2437		12.50		15.50			
		11	2462		12.50		15.50			
		12	2467		12.50		15.50			
	802.11ac-VHT20 MCS0	1	2412	Not required	12.50	Not required	12.50	Not required	15.50	Not required
		6	2437		12.50		15.50			
		11	2462		12.50		15.50			
		12	2467		12.50		15.50			
	802.11ax-HE20 MCS0	1	2412	Not required	12.50	Not required	12.50	Not required	15.50	Not required
		6	2437		12.50		15.50			
		11	2462		12.50		15.50			
		12	2467		12.50		15.50			
	802.11be-EHT20 MCS0	1	2412	Not required	12.50	Not required	12.50	Not required	15.50	Not required
		6	2437		12.50		15.50			
		11	2462		12.50		15.50			
12		2467	12.50		15.50					
		13	2472	9.50	9.50	9.50	9.50	12.50		



WLAN 2.4GHz Power index 5

				Ant 3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.85	22.50	100.00
		6	2437	20.75	22.50	
		11	2462	20.75	22.50	
		12	2467	20.65	22.50	
		13	2472	19.25	19.50	

				Ant 4		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.88	22.50	100.00
		6	2437	20.78	22.50	
		11	2462	20.68	22.50	
		12	2467	20.78	22.50	
		13	2472	19.98	20.00	

		Ant 3+4 (3)			Ant 3+4 (4)		Ant 3+4			
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11g 6Mbps	1	2412	18.45	19.50	19.18	19.50	21.84	22.50	100.00
		6	2437	20.95	22.00	21.98	22.00	24.51	25.00	
		11	2462	17.35	17.50	17.28	17.50	20.33	20.50	
		12	2467	14.85	15.50	15.28	15.50	18.08	18.50	
		13	2472	8.85	9.00	8.98	9.00	11.93	12.00	
	802.11n-HT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		21.00		21.00		24.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.00		14.00		17.00	
	802.11ac-VHT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		21.00		21.00		24.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.00		14.00		17.00	
	802.11ax-HE20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		21.00		21.00		24.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.50		14.50		17.50	
	802.11be-EHT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		21.00		21.00		24.00	
		11	2462		16.00		16.00		19.00	
12		2467	14.50		14.50		17.50			
	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required	
	6	2437		21.00		21.00		24.00		
	11	2462		16.00		16.00		19.00		
	12	2467		14.50		14.50		17.50		
	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required	
	6	2437		21.00		21.00		24.00		
	11	2462		16.00		16.00		19.00		
	12	2467		14.50		14.50		17.50		
	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required	
	6	2437		21.00		21.00		24.00		
	11	2462		16.00		16.00		19.00		
	12	2467		14.50		14.50		17.50		
	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required	
	6	2437		21.00		21.00		24.00		
	11	2462		16.00		16.00		19.00		
	12	2467		14.50		14.50		17.50		



WLAN 2.4GHz Power index 6

				Ant 3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.85	22.50	100.00
		6	2437	20.75	22.50	
		11	2462	20.75	22.50	
		12	2467	20.65	22.50	
13		2472	19.25	19.50		

				Ant 4		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.88	22.50	100.00
		6	2437	20.78	22.50	
		11	2462	20.68	22.50	
		12	2467	20.78	22.50	
13		2472	19.98	20.00		

			Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11g 6Mbps	1	2412	18.45	19.50	19.18	19.50	21.84	22.50	100.00
		6	2437	20.95	22.00	21.98	22.00	24.51	25.00	
		11	2462	17.35	17.50	17.28	17.50	20.33	20.50	
		12	2467	14.85	15.50	15.28	15.50	18.08	18.50	
		13	2472	8.85	9.00	8.98	9.00	11.93	12.00	
	802.11n-HT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		21.00		21.00		24.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.00		14.00		17.00	
	802.11ac-VHT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		21.00		21.00		24.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.00		14.00		17.00	
	802.11ax-HE20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		21.00		21.00		24.00	
		11	2462		16.00		16.00		19.00	
		12	2467		14.50		14.50		17.50	
	802.11be-EHT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		21.00		21.00		24.00	
		11	2462		16.00		16.00		19.00	
12		2467	14.50		14.50		17.50			
	13	2472	Not required	9.50	Not required	9.50	Not required	12.50	Not required	
	1	2412		17.00		17.00		20.00		
	6	2437		21.00		21.00		24.00		
	11	2462		16.00		16.00		19.00		
	12	2467	Not required	14.50	Not required	14.50	Not required	17.50	Not required	
	13	2472		9.50		9.50		12.50		
	1	2412		17.00		17.00		20.00		
	6	2437		21.00		21.00		24.00		
	11	2462	Not required	16.00	Not required	16.00	Not required	19.00	Not required	
	12	2467		14.50		14.50		17.50		
	13	2472		9.50		9.50		12.50		
	1	2412		17.00		17.00		20.00		
	6	2437	Not required	21.00	Not required	21.00	Not required	24.00	Not required	
	11	2462		16.00		16.00		19.00		
	12	2467		14.50		14.50		17.50		
	13	2472		9.50		9.50		12.50		



WLAN 2.4GHz Power index 7

				Ant 3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	18.85	19.50	100.00
		6	2437	18.55	19.50	
		11	2462	18.65	19.50	
		12	2467	18.65	19.50	
		13	2472	18.65	19.50	

				Ant 4		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	18.88	19.50	100.00
		6	2437	18.78	19.50	
		11	2462	18.68	19.50	
		12	2467	18.78	19.50	
		13	2472	18.68	19.50	

				Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		Duty Cycle %
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11g 6Mbps	1	2412	18.45	19.50	19.18	19.50	21.84	22.50	100.00
		6	2437	18.25	19.50	18.78	19.50	21.53	22.50	
		11	2462	17.35	17.50	17.28	17.50	20.33	20.50	
		12	2467	14.85	15.50	15.28	15.50	18.08	18.50	
		13	2472	8.85	9.00	8.98	9.00	11.93	12.00	
	802.11n-HT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		19.50		19.50		22.50	
		11	2462		16.00		16.00		19.00	
		12	2467		14.00		14.00		17.00	
	802.11ac-VHT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		19.50		19.50		22.50	
		11	2462		16.00		16.00		19.00	
		12	2467		14.00		14.00		17.00	
	802.11ax-HE20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		19.50		19.50		22.50	
		11	2462		16.00		16.00		19.00	
		12	2467		14.50		14.50		17.50	
	802.11be-EHT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		6	2437		19.50		19.50		22.50	
		11	2462		16.00		16.00		19.00	
12		2467	14.50		14.50		17.50			
		13	2472	9.50		9.50		12.50		



WLAN 2.4GHz Power index 8

				Ant 3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	14.35	15.50	100.00
		6	2437	14.25	15.50	
		11	2462	14.45	15.50	
		12	2467	14.35	15.50	
		13	2472	14.35	15.50	

				Ant 4		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	14.28	15.50	100.00
		6	2437	14.38	15.50	
		11	2462	14.28	15.50	
		12	2467	14.28	15.50	
		13	2472	14.18	15.50	

				Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		Duty Cycle %
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11g 6Mbps	1	2412	14.05	15.50	14.88	15.50	17.50	18.50	100.00
		6	2437	14.25	15.50	14.78	15.50	17.53	18.50	
		11	2462	14.05	15.50	14.98	15.50	17.55	18.50	
		12	2467	14.30	15.50	14.75	15.50	17.54	18.50	
		13	2472	8.85	9.00	8.98	9.00	11.93	12.00	
	802.11n-HT20 MCS0	1	2412	Not required	15.50	Not required	15.50	Not required	18.50	Not required
		6	2437		15.50		18.50			
		11	2462		15.50		18.50			
		12	2467		14.00		17.00			
	802.11ac-VHT20 MCS0	1	2412	Not required	15.50	Not required	15.50	Not required	18.50	Not required
		6	2437		15.50		18.50			
		11	2462		15.50		18.50			
		12	2467		14.00		17.00			
	802.11ax-HE20 MCS0	1	2412	Not required	15.50	Not required	15.50	Not required	18.50	Not required
		6	2437		15.50		18.50			
		11	2462		15.50		18.50			
		12	2467		14.50		17.50			
	802.11be-EHT20 MCS0	1	2412	Not required	15.50	Not required	15.50	Not required	18.50	Not required
		6	2437		15.50		18.50			
		11	2462		15.50		18.50			
12		2467	14.50		17.50					
		13	2472	9.50	12.50	9.50	12.50			



WLAN 5.2GHz Power index 1

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
	802.11a 6Mbps	36	5180	15.95	17.00	15.48	17.00	18.73	20.00	100.00				
		40	5200	15.95	17.00	15.18	17.00	18.59	20.00					
		44	5220	15.85	17.00	15.18	17.00	18.54	20.00					
		48	5240	15.85	17.00	15.28	17.00	18.58	20.00					
	802.11n-HT20 MCS0	36	5180	Not required	15.50	Not required	15.50	Not required	18.50	Not required				
		40	5200		15.50		18.50							
		44	5220		17.00		20.00							
		48	5240		17.00		20.00							
	802.11n-HT40 MCS0	38	5190	12.25	12.50	11.78	12.50	15.03	15.50	99.13				
		46	5230	15.85	17.00	15.28	17.00	18.58	20.00					
	802.11ac-VHT20 MCS0	36	5180	Not required	15.50	Not required	15.50	Not required	18.50	Not required				
		40	5200		15.50		18.50							
		44	5220		17.00		20.00							
		48	5240		17.00		20.00							
	802.11ac-VHT40 MCS0	38	5190		12.50		12.50		12.50		12.50	15.50	15.50	
		46	5230		17.00		17.00		17.00		17.00	20.00	20.00	
	802.11ac-VHT80 MCS0	42	5210		10.00		10.00		10.00		10.00	13.00	13.00	
	802.11ax-HE20 MCS0	36	5180		Not required		15.50		Not required		15.50	Not required	18.50	Not required
		40	5200				15.50				18.50			
		44	5220				17.00				20.00			
48		5240	17.00				20.00							
802.11ax-HE40 MCS0	38	5190	12.50		12.50		12.50		12.50		15.50	15.50		
	46	5230	17.00		17.00		17.00		17.00		20.00	20.00		
802.11ax-HE80 MCS0	42	5210	10.00		10.00		10.00		10.00		13.00	13.00		
802.11be-EHT20 MCS0	36	5180	Not required		15.50		Not required		15.50		Not required	18.50	Not required	
	40	5200			15.50				18.50					
	44	5220			17.00				20.00					
	48	5240			17.00				20.00					
802.11be-EHT40 MCS0	38	5190	12.50		12.50		12.50		12.50		15.50	15.50		
	46	5230	17.00		17.00		17.00		17.00		20.00	20.00		
802.11be-EHT80 MCS0	42	5210	10.00	10.00	10.00	10.00	13.00	13.00						



WLAN 5.2GHz Power index 2

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not required	14.50	Not required	14.50	Not required	17.50	Not required
		40	5200		14.50		17.50			
		44	5220		14.50		17.50			
		48	5240		14.50		17.50			
	802.11n-HT20 MCS0	36	5180		14.50		14.50		17.50	
		40	5200		14.50		14.50		17.50	
		44	5220		14.50		14.50		17.50	
		48	5240		14.50		14.50		17.50	
	802.11n-HT40 MCS0	38	5190		12.50		12.50		15.50	
		46	5230		14.50		14.50		17.50	
	802.11ac-VHT20 MCS0	36	5180		14.50		14.50		17.50	
		40	5200		14.50		14.50		17.50	
		44	5220		14.50		14.50		17.50	
		48	5240		14.50		14.50		17.50	
	802.11ac-VHT40 MCS0	38	5190		12.50		12.50		15.50	
		46	5230		14.50		14.50		17.50	
	802.11ac-VHT80 MCS0	42	5210		10.00		10.00		13.00	
	802.11ax-HE20 MCS0	36	5180		14.50		14.50		17.50	
		40	5200		14.50		14.50		17.50	
		44	5220		14.50		14.50		17.50	
		48	5240		14.50		14.50		17.50	
	802.11ax-HE40 MCS0	38	5190		12.50		12.50		15.50	
		46	5230		14.50		14.50		17.50	
	802.11ax-HE80 MCS0	42	5210		10.00		10.00		13.00	
	802.11be-EHT20 MCS0	36	5180		14.50		14.50		17.50	
		40	5200		14.50		14.50		17.50	
		44	5220		14.50		14.50		17.50	
		48	5240		14.50		14.50		17.50	
802.11be-EHT40 MCS0	38	5190	12.50	12.50	15.50					
	46	5230	14.50	14.50	17.50					
802.11be-EHT80 MCS0	42	5210	10.00	10.00	13.00					



WLAN 5.2GHz Power index 3/4

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not required	10.00	Not required	10.00	Not required	13.00	Not required
		40	5200		10.00		13.00			
		44	5220		10.00		13.00			
		48	5240		10.00		13.00			
	802.11n-HT20 MCS0	36	5180		10.00		13.00			
		40	5200		10.00		13.00			
		44	5220		10.00		13.00			
		48	5240		10.00		13.00			
	802.11n-HT40 MCS0	38	5190		10.00		13.00			
		46	5230		10.00		13.00			
	802.11ac-VHT20 MCS0	36	5180		10.00		13.00			
		40	5200		10.00		13.00			
		44	5220		10.00		13.00			
		48	5240		10.00		13.00			
	802.11ac-VHT40 MCS0	38	5190		10.00		13.00			
		46	5230		10.00		13.00			
	802.11ac-VHT80 MCS0	42	5210		9.50		12.50			
		42	5210		9.50		12.50			
	802.11ax-HE20 MCS0	36	5180		10.00		13.00			
		40	5200		10.00		13.00			
		44	5220		10.00		13.00			
		48	5240		10.00		13.00			
	802.11ax-HE40 MCS0	38	5190		10.00		13.00			
		46	5230		10.00		13.00			
	802.11ax-HE80 MCS0	42	5210		9.50		12.50			
		42	5210		9.50		12.50			
	802.11be-EHT20 MCS0	36	5180		10.00		13.00			
		40	5200		10.00		13.00			
44		5220	10.00	13.00						
48		5240	10.00	13.00						
802.11be-EHT40 MCS0	38	5190	10.00	13.00						
	46	5230	10.00	13.00						
802.11be-EHT80 MCS0	42	5210	9.50	12.50						
	42	5210	9.50	12.50						



WLAN 5.2GHz Power index 5/6/7

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4					
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not required	17.50	Not required	17.50	Not required	20.50	Not required			
		40	5200		17.50		17.50		20.50				
		44	5220	18.75	19.00	18.58	19.00	21.68	22.00	100.00			
		48	5240	18.25	19.00	17.98	19.00	21.13	22.00				
	802.11n-HT20 MCS0	36	5180	Not required	15.50	Not required	15.50	Not required	18.50	Not required			
		40	5200		15.50		15.50		18.50				
		44	5220		19.00		19.00		22.00				
		48	5240		19.00		19.00		22.00				
	802.11n-HT40 MCS0	38	5190	12.25	12.50	11.78	12.50	15.03	15.50	99.13			
		46	5230	18.25	19.00	18.28	19.00	21.28	22.00				
	802.11ac-VHT20 MCS0	36	5180	Not required	15.50	Not required	15.50	Not required	18.50	Not required			
		40	5200		15.50		15.50		18.50				
		44	5220		19.00		19.00		22.00				
		48	5240		19.00		19.00		22.00				
	802.11ac-VHT40 MCS0	38	5190		12.50		12.50		12.50		12.50	15.50	Not required
		46	5230		19.00		19.00		19.00		19.00	22.00	
	802.11ac-VHT80 MCS0	42	5210		10.00		10.00		10.00		10.00	13.00	Not required
		36	5180		15.50		15.50		15.50		15.50	18.50	
	802.11ax-HE20 MCS0	40	5200		15.50		15.50		15.50		15.50	18.50	Not required
		44	5220		19.00		19.00		19.00		19.00	22.00	
48		5240	19.00		19.00		19.00		19.00		22.00		
802.11ax-HE40 MCS0	38	5190	12.50		12.50		12.50		12.50		15.50	Not required	
	46	5230	19.00	19.00	19.00	19.00	22.00						
802.11ax-HE80 MCS0	42	5210	10.00	10.00	10.00	10.00	13.00	Not required					
802.11be-EHT20 MCS0	36	5180	15.50	15.50	15.50	15.50	18.50	Not required					
	40	5200	15.50	15.50	15.50	15.50	18.50						
	44	5220	19.00	19.00	19.00	19.00	22.00						
	48	5240	19.00	19.00	19.00	19.00	22.00						
802.11be-EHT40 MCS0	38	5190	12.50	12.50	12.50	12.50	15.50	Not required					
	46	5230	19.00	19.00	19.00	19.00	22.00						
802.11be-EHT80 MCS0	42	5210	10.00	10.00	10.00	10.00	13.00	Not required					



WLAN 5.2GHz Power index 8/9

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		40	5200		17.00		17.00		20.00	
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
	802.11n-HT20 MCS0	36	5180	Not required	15.50	Not required	15.50	Not required	18.50	Not required
		40	5200		15.50		15.50		18.50	
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
	802.11n-HT40 MCS0	38	5190	12.25	12.50	11.78	12.50	15.03	15.50	99.13
		46	5230	15.85	17.00	15.28	17.00	18.58	20.00	
	802.11ac-VHT20 MCS0	36	5180	Not required	15.50	Not required	15.50	Not required	18.50	Not required
		40	5200		15.50		15.50		18.50	
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
	802.11ac-VHT40 MCS0	38	5190	Not required	12.50	Not required	12.50	Not required	15.50	Not required
		46	5230		17.00		17.00		20.00	
	802.11ac-VHT80 MCS0	42	5210	Not required	10.00	Not required	10.00	Not required	13.00	Not required
		36	5180		15.50		15.50		18.50	
	802.11ax-HE20 MCS0	40	5200	Not required	15.50	Not required	15.50	Not required	18.50	Not required
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
	802.11ax-HE40 MCS0	38	5190	Not required	12.50	Not required	12.50	Not required	15.50	Not required
		46	5230		17.00		17.00		20.00	
	802.11ax-HE80 MCS0	42	5210	Not required	10.00	Not required	10.00	Not required	13.00	Not required
		36	5180		15.50		15.50		18.50	
	802.11be-EHT20 MCS0	40	5200	Not required	15.50	Not required	15.50	Not required	18.50	Not required
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
38		5190	12.50		12.50		15.50			
802.11be-EHT40 MCS0	46	5230	Not required	17.00	Not required	17.00	Not required	20.00	Not required	
	42	5210		10.00		10.00		13.00		
802.11be-EHT80 MCS0	36	5180	Not required	15.50	Not required	15.50	Not required	18.50	Not required	
	40	5200		15.50		15.50		18.50		
	44	5220		17.00		17.00		20.00		
	48	5240		17.00		17.00		20.00		
802.11be-EHT40 MCS0	38	5190	Not required	12.50	Not required	12.50	Not required	15.50	Not required	
	46	5230		17.00		17.00		20.00		
802.11be-EHT80 MCS0	42	5210	Not required	10.00	Not required	10.00	Not required	13.00	Not required	
	36	5180		15.50		15.50		18.50		



WLAN 5.3GHz Power index 1

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not required	17.00	Not required	17.00	Not required	20.00	Not required
		56	5280		17.00		17.00		20.00	
		60	5300		17.00		17.00		20.00	
		64	5320		14.50		14.50		17.50	
	802.11n-HT20 MCS0	52	5260		17.00		17.00		20.00	
		56	5280		17.00		17.00		20.00	
		60	5300		17.00		17.00		20.00	
	802.11n-HT40 MCS0	64	5320		12.50		12.50		15.50	
		54	5270		16.50		16.50		19.50	
		62	5310		8.00		8.00		11.00	
	802.11ac-VHT20 MCS0	52	5260		17.00		17.00		20.00	
		56	5280		17.00		17.00		20.00	
		60	5300		17.00		17.00		20.00	
	802.11ac-VHT40 MCS0	64	5320		12.50		12.50		15.50	
		54	5270		16.50		16.50		19.50	
		62	5310		8.00		8.00		11.00	
	802.11ac-VHT80 MCS0	58	5290		9.00		9.00		12.00	
	802.11ac-VHT160 MCS0	50	5250		9.00		9.00		12.00	
	802.11ax-HE20 MCS0	52	5260		17.00		17.00		20.00	
		56	5280		17.00		17.00		20.00	
		60	5300		17.00		17.00		20.00	
		64	5320		12.50		12.50		15.50	
	802.11ax-HE40 MCS0	54	5270		16.50		16.50		19.50	
		62	5310		8.00		8.00		11.00	
	802.11ax-HE80 MCS0	58	5290		9.00		9.00		12.00	
	802.11ax-HE160 MCS0	50	5250		9.50		9.50		12.50	
	802.11be-EHT20 MCS0	52	5260		17.00		17.00		20.00	
		56	5280		17.00		17.00		20.00	
		60	5300		17.00		17.00		20.00	
		64	5320		12.50		12.50		15.50	
802.11be-EHT40 MCS0	54	5270	16.50	16.50	19.50					
	62	5310	8.00	8.00	11.00					
802.11be-EHT80 MCS0	58	5290	9.00	9.00	12.00					
802.11be-EHT160 MCS0	50	5250	9.50	9.50	12.50					



WLAN 5.3GHz Power index 2

5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4					
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not required	14.50	Not required	14.50	Not required	17.50	Not required			
		56	5280		14.50		14.50		17.50				
		60	5300		14.50		14.50		17.50				
		64	5320	13.95	14.50	13.38	14.50	16.68	17.50	100.00			
	802.11n-HT20 MCS0	52	5260	Not required	14.50	Not required	14.50	Not required	17.50	Not required			
		56	5280		14.50		14.50		17.50				
		60	5300		14.50		14.50		17.50				
		64	5320		12.50		12.50		15.50				
	802.11n-HT40 MCS0	54	5270	14.05	14.50	13.38	14.50	16.74	17.50	99.13			
		62	5310	7.45	8.00	7.28	8.00	10.38	11.00				
	802.11ac-VHT20 MCS0	52	5260	Not required	14.50	Not required	14.50	Not required	17.50	Not required			
		56	5280		14.50		14.50		17.50				
		60	5300		14.50		14.50		17.50				
		64	5320		12.50		12.50		15.50				
	802.11ac-VHT40 MCS0	54	5270		14.50		14.50		14.50		14.50	17.50	17.50
		62	5310		8.00		8.00		8.00		8.00	11.00	11.00
	802.11ac-VHT80 MCS0	58	5290		9.00		9.00		9.00		9.00	12.00	12.00
	802.11ac-VHT160 MCS0	50	5250		9.00		9.00		9.00		9.00	12.00	12.00
	802.11ax-HE20 MCS0	52	5260		14.50		14.50		14.50		14.50	17.50	17.50
		56	5280		14.50		14.50		14.50		14.50	17.50	17.50
60		5300	14.50		14.50		14.50		14.50		17.50	17.50	
64		5320	12.50		12.50		12.50		12.50		15.50	15.50	
802.11ax-HE40 MCS0	54	5270	14.50		14.50		14.50		14.50		17.50	17.50	
	62	5310	8.00		8.00		8.00		8.00		11.00	11.00	
802.11ax-HE80 MCS0	58	5290	9.00		9.00		9.00		9.00		12.00	12.00	
802.11ax-HE160 MCS0	50	5250	9.50		9.50		9.50		9.50		12.50	12.50	
802.11be-EHT20 MCS0	52	5260	14.50		14.50		14.50		14.50		17.50	17.50	
	56	5280	14.50		14.50		14.50		14.50		17.50	17.50	
	60	5300	14.50		14.50		14.50		14.50		17.50	17.50	
	64	5320	12.50		12.50		12.50		12.50		15.50	15.50	
802.11be-EHT40 MCS0	54	5270	14.50	14.50	14.50	14.50	17.50	17.50					
	62	5310	8.00	8.00	8.00	8.00	11.00	11.00					
802.11be-EHT80 MCS0	58	5290	9.00	9.00	9.00	9.00	12.00	12.00					
802.11be-EHT160 MCS0	50	5250	9.50	9.50	9.50	9.50	12.50	12.50					



WLAN 5.3GHz Power index 3/4

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not required	10.00	Not required	10.00	Not required	13.00	Not required
		56	5280		10.00		10.00		13.00	
		60	5300		10.00		10.00		13.00	
		64	5320		10.00		10.00		13.00	
	802.11n-HT20 MCS0	52	5260	Not required	10.00	Not required	10.00	Not required	13.00	Not required
		56	5280		10.00		10.00		13.00	
		60	5300		10.00		10.00		13.00	
		64	5320		10.00		10.00		13.00	
	802.11n-HT40 MCS0	54	5270	9.55	10.00	9.18	10.00	12.38	13.00	99.13
		62	5310	7.45	8.00	7.28	8.00	10.38	11.00	
	802.11ac-VHT20 MCS0	52	5260	Not required	10.00	Not required	10.00	Not required	13.00	Not required
		56	5280		10.00		10.00		13.00	
		60	5300		10.00		10.00		13.00	
		64	5320		10.00		10.00		13.00	
	802.11ac-VHT40 MCS0	54	5270	Not required	10.00	Not required	10.00	Not required	13.00	Not required
		62	5310		8.00		8.00		11.00	
	802.11ac-VHT80 MCS0	58	5290	Not required	9.00	Not required	9.00	Not required	12.00	Not required
	802.11ac-VHT160 MCS0	50	5250	Not required	9.00	Not required	9.00	Not required	12.00	Not required
	802.11ax-HE20 MCS0	52	5260	Not required	10.00	Not required	10.00	Not required	13.00	Not required
		56	5280		10.00		10.00		13.00	
		60	5300		10.00		10.00		13.00	
		64	5320		10.00		10.00		13.00	
	802.11ax-HE40 MCS0	54	5270	Not required	10.00	Not required	10.00	Not required	13.00	Not required
		62	5310		8.00		8.00		11.00	
	802.11ax-HE80 MCS0	58	5290	Not required	9.00	Not required	9.00	Not required	12.00	Not required
	802.11ax-HE160 MCS0	50	5250	Not required	9.50	Not required	9.50	Not required	12.50	Not required
	802.11be-EHT20 MCS0	52	5260	Not required	10.00	Not required	10.00	Not required	13.00	Not required
		56	5280		10.00		10.00		13.00	
60		5300	10.00		10.00		13.00			
64		5320	10.00		10.00		13.00			
802.11be-EHT40 MCS0	54	5270	Not required	10.00	Not required	10.00	Not required	13.00	Not required	
	62	5310		8.00		8.00		11.00		
802.11be-EHT80 MCS0	58	5290	Not required	9.00	Not required	9.00	Not required	12.00	Not required	
802.11be-EHT160 MCS0	50	5250	Not required	9.50	Not required	9.50	Not required	12.50	Not required	



WLAN 5.3GHz Power index 5/6/7

5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps		52	5260	18.25	18.50	17.48	18.50	20.89	21.50	100.00
		56	5280	18.79	19.00	18.38	19.00	21.60	22.00	
		60	5300	18.95	19.00	18.58	19.00	21.78	22.00	
		64	5320	13.95	14.50	13.38	14.50	16.68	17.50	
802.11n-HT20 MCS0		52	5260	Not required	19.00	Not required	19.00	Not required	22.00	Not required
		56	5280		19.00		19.00			
		60	5300		19.00		19.00			
		64	5320		12.50		12.50			
802.11n-HT40 MCS0		54	5270	Not required	16.50	Not required	16.50	Not required	19.50	Not required
		62	5310		8.00		8.00			
802.11ac-VHT20 MCS0		52	5260	Not required	19.00	Not required	19.00	Not required	22.00	Not required
		56	5280		19.00		19.00			
		60	5300		19.00		19.00			
802.11ac-VHT40 MCS0		64	5320	Not required	12.50	Not required	12.50	Not required	15.50	Not required
		54	5270		16.50		16.50			
		62	5310		8.00		8.00			
802.11ac-VHT80 MCS0		58	5290	Not required	9.00	Not required	9.00	Not required	12.00	Not required
802.11ac-VHT160 MCS0		50	5250		9.00		9.00			
802.11ax-HE20 MCS0		52	5260		Not required		19.00		Not required	
		56	5280	19.00		19.00				
		60	5300	19.00		19.00				
802.11ax-HE40 MCS0		64	5320	Not required	12.50	Not required	12.50	Not required	15.50	Not required
		54	5270		16.50		16.50			
		62	5310		8.00		8.00			
802.11ax-HE80 MCS0		58	5290	Not required	9.00	Not required	9.00	Not required	12.00	Not required
802.11ax-HE160 MCS0		50	5250		9.50		9.50			
802.11be-EHT20 MCS0		52	5260		Not required		19.00		Not required	
		56	5280	19.00		19.00				
		60	5300	19.00		19.00				
		64	5320	12.50		12.50				
802.11be-EHT40 MCS0		54	5270	Not required	16.50	Not required	16.50	Not required	19.50	Not required
		62	5310		8.00		8.00			
802.11be-EHT80 MCS0		58	5290	Not required	9.00	Not required	9.00	Not required	12.00	Not required
802.11be-EHT160 MCS0		50	5250		9.50		9.50			



WLAN 5.3GHz Power index 8/9

5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.3GHz WLAN	802.11a 6Mbps	52	5260	15.85	17.00	15.08	17.00	18.49	20.00	100.00				
		56	5280	16.05	17.00	15.18	17.00	18.65	20.00					
		60	5300	15.95	17.00	15.08	17.00	18.55	20.00					
		64	5320	13.95	14.50	13.38	14.50	16.68	17.50					
	802.11n-HT20 MCS0	52	5260	Not required	17.00	Not required	17.00	17.00	Not required	20.00	Not required			
		56	5280									17.00	17.00	20.00
		60	5300									17.00	17.00	20.00
		64	5320									12.50	12.50	15.50
	802.11n-HT40 MCS0	54	5270									16.50	16.50	19.50
		62	5310									8.00	8.00	11.00
	802.11ac-VHT20 MCS0	52	5260									17.00	17.00	20.00
		56	5280									17.00	17.00	20.00
		60	5300									17.00	17.00	20.00
	802.11ac-VHT40 MCS0	64	5320									12.50	12.50	15.50
		54	5270									16.50	16.50	19.50
		62	5310									8.00	8.00	11.00
	802.11ac-VHT80 MCS0	58	5290									9.00	9.00	12.00
	802.11ac-VHT160 MCS0	50	5250									9.00	9.00	12.00
	802.11ax-HE20 MCS0	52	5260									17.00	17.00	20.00
		56	5280									17.00	17.00	20.00
		60	5300									17.00	17.00	20.00
	802.11ax-HE40 MCS0	64	5320									12.50	12.50	15.50
		54	5270									16.50	16.50	19.50
	802.11ax-HE80 MCS0	62	5310									8.00	8.00	11.00
		58	5290									9.00	9.00	12.00
	802.11ax-HE160 MCS0	50	5250									9.50	9.50	12.50
	802.11be-EHT20 MCS0	52	5260									17.00	17.00	20.00
		56	5280									17.00	17.00	20.00
60		5300	17.00									17.00	20.00	
64		5320	12.50									12.50	15.50	
802.11be-EHT40 MCS0	54	5270	16.50									16.50	19.50	
	62	5310	8.00									8.00	11.00	
802.11be-EHT80 MCS0	58	5290	9.00	9.00	12.00									
802.11be-EHT160 MCS0	50	5250	9.50	9.50	12.50									



WLAN 5.5GHz Power index 1

Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not required	14.50	Not required	14.50	Not required	17.50	Not required
	116	5580		14.50		17.50			
	124	5620		14.50		17.50			
	132	5660		14.50		17.50			
	140	5700		14.50		17.50			
	144	5720		14.50		17.50			
802.11n-HT20 MCS0	100	5500	Not required	14.50	Not required	14.50	Not required	17.50	Not required
	116	5580		14.50		17.50			
	124	5620		14.50		17.50			
	132	5660		14.50		17.50			
	140	5700		13.50		16.50			
	144	5720		14.50		17.50			
802.11n-HT40 MCS0	102	5510	13.95	14.50	14.48	14.50	17.23	17.50	99.13
	110	5550	Not required	14.50	Not required	14.50	Not required	17.50	
	126	5630		14.50		17.50			
	134	5670		14.50		17.50			
	142	5710		14.50		17.50			
802.11ac-VHT20 MCS0	100	5500	Not required	14.50	Not required	14.50	Not required	17.50	Not required
	116	5580		14.50		17.50			
	124	5620		14.50		17.50			
	132	5660		14.50		17.50			
	140	5700		13.50		16.50			
	144	5720		14.50		17.50			
802.11ac-VHT40 MCS0	102	5510	Not required	14.50	Not required	14.50	Not required	17.50	Not required
	110	5550		14.50		17.50			
	126	5630		14.50		17.50			
	134	5670		14.50		17.50			
	142	5710		14.50		17.50			
802.11ac-VHT80 MCS0	106	5530	9.65	10.50	10.28	10.50	12.99	13.50	97.77
	122	5610	13.55	14.50	13.88	14.50	16.73	17.50	
	138	5690	12.55	14.50	12.98	14.50	15.78	17.50	
802.11ac-VHT160 MCS0	114	5570	Not required	9.50	Not required	9.50	Not required	12.50	Not required
802.11ax-HE20 MCS0	100	5500		14.50		17.50			
	116	5580		14.50		17.50			
	124	5620		14.50		17.50			
	132	5660		14.50		17.50			
	140	5700		13.50		16.50			
	144	5720		14.50		17.50			
802.11ax-HE40 MCS0	102	5510		14.50		17.50			
	110	5550		14.50		17.50			
	126	5630		14.50		17.50			
	134	5670		14.50		17.50			
802.11ax-HE80 MCS0	106	5530		10.50		13.50			
	122	5610		14.50		17.50			
	138	5690		14.50		17.50			
802.11ax-HE160 MCS0	114	5570		9.50		12.50			
802.11be-EHT20 MCS0	100	5500		14.50		17.50			
	116	5580		14.50		17.50			
	124	5620		14.50		17.50			
	132	5660		14.50		17.50			
	140	5700		13.50		16.50			
	144	5720	14.50	17.50					
802.11be-EHT40 MCS0	102	5510	14.50	17.50					
	110	5550	14.50	17.50					
	126	5630	14.50	17.50					
	134	5670	14.50	17.50					
802.11be-EHT80 MCS0	106	5530	10.50	13.50					
	122	5610	14.50	17.50					
	138	5690	14.50	17.50					
802.11be-EHT160 MCS0	114	5570	9.50	12.50					



WLAN 5.5GHz Power index 2

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4									
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not required	13.00	Not required	13.00	Not required	16.00	Not required							
		116	5580		13.00		16.00										
		124	5620		13.00		16.00										
		132	5660		13.00		16.00										
		140	5700		13.00		16.00										
		144	5720		13.00		16.00										
	802.11n-HT20 MCS0	100	5500		13.00		13.00		16.00								
		116	5580		13.00		13.00		16.00								
		124	5620		13.00		13.00		16.00								
		132	5660		13.00		13.00		16.00								
		140	5700		13.00		13.00		16.00								
		144	5720		13.00		13.00		16.00								
	802.11n-HT40 MCS0	102	5510		13.00		13.00		16.00								
		110	5550		13.00		13.00		16.00								
		126	5630		13.00		13.00		16.00								
		134	5670		13.00		13.00		16.00								
		142	5710		13.00		13.00		16.00								
		144	5720		13.00		13.00		16.00								
	802.11ac-VHT20 MCS0	100	5500		13.00		13.00		16.00								
		116	5580		13.00		13.00		16.00								
		124	5620		13.00		13.00		16.00								
		132	5660		13.00		13.00		16.00								
		140	5700		13.00		13.00		16.00								
		144	5720		13.00		13.00		16.00								
	802.11ac-VHT40 MCS0	102	5510		13.00		13.00		16.00								
		110	5550		13.00		13.00		16.00								
		126	5630		13.00		13.00		16.00								
		134	5670		13.00		13.00		16.00								
		142	5710		13.00		13.00		16.00								
		144	5720		13.00		13.00		16.00								
	802.11ac-VHT80 MCS0	106	5530		9.65		10.50		10.28		10.50	12.99	13.50	97.77			
		122	5610		11.55		13.00		11.98		13.00	14.78	16.00				
		138	5690		12.55		13.00		12.98		13.00	15.78	16.00				
	802.11ac-VHT160 MCS0	114	5570		Not required		9.50		Not required		9.50	Not required	12.50	Not required			
	802.11ax-HE20 MCS0	100	5500		Not required		13.00		Not required		13.00	Not required	16.00	Not required			
		116	5580				13.00				16.00						
		124	5620				13.00				16.00						
		132	5660				13.00				16.00						
		140	5700				13.00				16.00						
		144	5720				13.00				16.00						
	802.11ax-HE40 MCS0	102	5510				13.00				13.00		16.00				
		110	5550				13.00				13.00		16.00				
		126	5630				13.00				13.00		16.00				
		134	5670				13.00				13.00		16.00				
		142	5710				13.00				13.00		16.00				
		144	5720				13.00				13.00		16.00				
	802.11ax-HE80 MCS0	106	5530				10.50				10.50		10.50		10.50	13.50	Not required
		122	5610				13.00				13.00		13.00		13.00	16.00	
138		5690	13.00	13.00		13.00	13.00	16.00									
802.11ax-HE160 MCS0	114	5570	Not required	9.50		Not required	9.50	Not required		12.50	Not required						
802.11be-EHT20 MCS0	100	5500	Not required	13.00		Not required	13.00	Not required		16.00	Not required						
	116	5580		13.00			16.00										
	124	5620		13.00			16.00										
	132	5660		13.00			16.00										
	140	5700		13.00			16.00										
	144	5720		13.00			16.00										
802.11be-EHT40 MCS0	102	5510		13.00			13.00			16.00							
	110	5550		13.00			13.00			16.00							
	126	5630		13.00			13.00			16.00							
	134	5670		13.00			13.00			16.00							
	142	5710		13.00			13.00			16.00							
	144	5720		13.00			13.00			16.00							
802.11be-EHT80 MCS0	106	5530		10.50			10.50			10.50			10.50		13.50	Not required	
	122	5610		13.00			13.00			13.00			13.00		16.00		
	138	5690		13.00			13.00			13.00			13.00		16.00		
802.11be-EHT160 MCS0	114	5570		Not required			9.50			Not required			9.50		Not required	12.50	Not required



WLAN 5.5GHz Power index 3/4

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not required	8.50	Not required	8.50	Not required	11.50	Not required				
		116	5580		8.50		11.50							
		124	5620		8.50		11.50							
		132	5660		8.50		11.50							
		140	5700		8.50		11.50							
		144	5720		8.50		11.50							
	802.11n-HT20 MCS0	100	5500		8.50		8.50		11.50					
		116	5580		8.50		8.50		11.50					
		124	5620		8.50		8.50		11.50					
		132	5660		8.50		8.50		11.50					
		140	5700		8.50		8.50		11.50					
	802.11n-HT40 MCS0	102	5510		8.50		8.50		11.50					
		110	5550		8.50		8.50		11.50					
		126	5630		8.50		8.50		11.50					
		134	5670		8.50		8.50		11.50					
	802.11ac-VHT20 MCS0	100	5500		8.50		8.50		11.50					
		116	5580		8.50		8.50		11.50					
		124	5620		8.50		8.50		11.50					
		132	5660		8.50		8.50		11.50					
		140	5700		8.50		8.50		11.50					
	802.11ac-VHT40 MCS0	102	5510		8.50		8.50		11.50					
		110	5550		8.50		8.50		11.50					
		126	5630		8.50		8.50		11.50					
		134	5670		8.50		8.50		11.50					
	802.11ac-VHT80 MCS0	106	5530		7.50		8.50		8.13		8.50	10.84	11.50	97.77
		122	5610		7.20		8.50		8.13		8.50	10.70	11.50	
		138	5690		7.25		8.50		8.50		8.50	10.93	11.50	
		802.11ac-VHT160 MCS0	114		5570		8.00		8.00		8.00	8.00	11.00	
	802.11ax-HE20 MCS0	100	5500		8.50		8.50		11.50					
		116	5580		8.50		8.50		11.50					
		124	5620		8.50		8.50		11.50					
		132	5660		8.50		8.50		11.50					
		140	5700		8.50		8.50		11.50					
	802.11ax-HE40 MCS0	102	5510		8.50		8.50		11.50					
		110	5550		8.50		8.50		11.50					
		126	5630		8.50		8.50		11.50					
		134	5670		8.50		8.50		11.50					
	802.11ax-HE80 MCS0	106	5530		8.50		8.50		11.50					
		122	5610		8.50		8.50		11.50					
		138	5690		8.50		8.50		11.50					
	802.11ax-HE160 MCS0	114	5570		8.00		8.00		8.00		8.00	11.00	Not required	
	802.11be-EHT20 MCS0	100	5500		8.50		8.50		11.50					
		116	5580		8.50		8.50		11.50					
		124	5620		8.50		8.50		11.50					
132		5660	8.50	8.50	11.50									
140		5700	8.50	8.50	11.50									
802.11be-EHT40 MCS0	102	5510	8.50	8.50	11.50									
	110	5550	8.50	8.50	11.50									
	126	5630	8.50	8.50	11.50									
	134	5670	8.50	8.50	11.50									
802.11be-EHT80 MCS0	106	5530	8.50	8.50	11.50									
	122	5610	8.50	8.50	11.50									
	138	5690	8.50	8.50	11.50									
802.11be-EHT160 MCS0	114	5570	8.00	8.00	8.00	8.00	11.00							



WLAN 5.5GHz Power index 5/6/7/9

5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4				
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
802.11a 6Mbps		100	5500	Not required	18.00	Not required	18.00	Not required	21.00	Not required		
		116	5580		19.00		19.00		22.00			
		124	5620		19.00		19.00		22.00			
		132	5660		19.00		19.00		22.00			
		140	5700		15.50		15.50		18.50			
		144	5720		19.00		19.00		22.00			
802.11n-HT20 MCS0		100	5500	Not required	19.00	Not required	19.00	Not required	22.00	Not required		
		116	5580		19.00		19.00		22.00			
		124	5620		19.00		19.00		22.00			
		132	5660		19.00		19.00		22.00			
		140	5700		13.50		13.50		16.50			
		144	5720		19.00		19.00		22.00			
802.11n-HT40 MCS0		102	5510	Not required	14.50	Not required	14.50	Not required	17.50	Not required		
		110	5550		19.00		19.00		22.00			
		126	5630		19.00		19.00		22.00			
		134	5670		15.50		15.50		18.50			
		142	5710		19.00		19.00		22.00			
		100	5500		19.00		19.00		22.00			
802.11ac-VHT20 MCS0		116	5580	Not required	19.00	Not required	19.00	Not required	22.00	Not required		
		124	5620		19.00		19.00		22.00			
		132	5660		19.00		19.00		22.00			
		140	5700		13.50		13.50		16.50			
		144	5720		19.00		19.00		22.00			
		102	5510		14.50		14.50		17.50			
802.11ac-VHT40 MCS0		110	5550	Not required	19.00	Not required	19.00	Not required	22.00	Not required		
		126	5630		19.00		19.00		22.00			
		134	5670		15.50		15.50		18.50			
		142	5710		19.00		19.00		22.00			
		106	5530		9.65		10.50		12.99		13.50	97.77
		122	5610		17.95		19.00		18.38		19.00	
138	5690	18.05	19.00	18.48	19.00	21.28	22.00					
802.11ac-VHT160 MCS0		114	5570	Not required	9.50	Not required	9.50	Not required	12.50	Not required		
802.11ax-HE20 MCS0		100	5500		19.00		19.00		22.00			
		116	5580		19.00		19.00		22.00			
		124	5620		19.00		19.00		22.00			
		132	5660		19.00		19.00		22.00			
		140	5700		13.50		13.50		16.50			
		144	5720	19.00	19.00	22.00						
802.11ax-HE40 MCS0		102	5510	Not required	14.50	Not required	14.50	Not required	17.50	Not required		
		110	5550		19.00		19.00		22.00			
		126	5630		19.00		19.00		22.00			
		134	5670		15.50		15.50		18.50			
		142	5710		19.00		19.00		22.00			
		106	5530		10.50		10.50		13.50			
802.11ax-HE80 MCS0		122	5610	Not required	19.00	Not required	19.00	Not required	22.00	Not required		
		138	5690		19.00		19.00		22.00			
		114	5570		9.50		9.50		12.50			
802.11ax-HE160 MCS0		100	5500	Not required	19.00	Not required	19.00	Not required	22.00	Not required		
		116	5580		19.00		19.00		22.00			
		124	5620		19.00		19.00		22.00			
		132	5660		19.00		19.00		22.00			
		140	5700		13.50		13.50		16.50			
		144	5720		19.00		19.00		22.00			
802.11be-EHT20 MCS0		102	5510	Not required	14.50	Not required	14.50	Not required	17.50	Not required		
		110	5550		19.00		19.00		22.00			
		126	5630		19.00		19.00		22.00			
		134	5670		15.50		15.50		18.50			
		142	5710		19.00		19.00		22.00			
		106	5530		10.50		10.50		13.50			
802.11be-EHT40 MCS0		122	5610	Not required	19.00	Not required	19.00	Not required	22.00	Not required		
		138	5690		19.00		19.00		22.00			
		114	5570		9.50		9.50		12.50			
802.11be-EHT80 MCS0		100	5500	Not required	19.00	Not required	19.00	Not required	22.00	Not required		
		116	5580		19.00		19.00		22.00			
		124	5620		19.00		19.00		22.00			
		132	5660		19.00		19.00		22.00			
		140	5700		13.50		13.50		16.50			
		144	5720		19.00		19.00		22.00			
802.11be-EHT160 MCS0		102	5510	Not required	14.50	Not required	14.50	Not required	17.50	Not required		
		110	5550		19.00		19.00		22.00			
		126	5630		19.00		19.00		22.00			
		134	5670		15.50		15.50		18.50			
		142	5710		19.00		19.00		22.00			
		106	5530		10.50		10.50		13.50			
802.11be-EHT160 MCS0		122	5610	Not required	19.00	Not required	19.00	Not required	22.00	Not required		
		138	5690		19.00		19.00		22.00			
		114	5570		9.50		9.50		12.50			



WLAN 5.5GHz Power index 8

5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4								
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
802.11a 6Mbps		100	5500		18.00		18.00		21.00							
		116	5580		18.50		18.50		21.50							
		124	5620		18.50		18.50		21.50							
		132	5660		18.50		18.50		21.50							
		140	5700		15.50		15.50		18.50							
		144	5720		18.50		18.50		21.50							
		802.11n-HT20 MCS0			100		5500				18.50		18.50		21.50	
					116		5580				18.50		18.50		21.50	
					124		5620				18.50		18.50		21.50	
					132		5660				18.50		18.50		21.50	
140	5700			13.50	13.50	16.50										
802.11n-HT40 MCS0		102	5510	Not required	14.50	Not required	14.50	Not required	17.50	Not required						
		110	5550		18.50		18.50		21.50							
		126	5630		18.50		18.50		21.50							
		134	5670		15.50		15.50		18.50							
		142	5710		18.50		18.50		21.50							
802.11ac-VHT20 MCS0		100	5500		18.50		18.50		21.50							
		116	5580		18.50		18.50		21.50							
		124	5620		18.50		18.50		21.50							
		132	5660		18.50		18.50		21.50							
		140	5700		13.50		13.50		16.50							
802.11ac-VHT40 MCS0		102	5510		14.50		14.50		17.50							
		110	5550		18.50		18.50		21.50							
		126	5630		18.50		18.50		21.50							
		134	5670		15.50		15.50		18.50							
		142	5710		18.50		18.50		21.50							
802.11ac-VHT80 MCS0		106	5530	9.65	10.50	10.28	10.50	12.99	13.50	97.77						
		122	5610	17.95	18.50	18.38	18.50	21.18	21.50							
		138	5690	18.05	18.50	18.48	18.50	21.28	21.50							
802.11ac-VHT160 MCS0		114	5570		9.50		9.50		12.50							
802.11ax-HE20 MCS0		100	5500		18.50		18.50		21.50							
		116	5580		18.50		18.50		21.50							
		124	5620		18.50		18.50		21.50							
		132	5660		18.50		18.50		21.50							
		140	5700		13.50		13.50		16.50							
802.11ax-HE40 MCS0		102	5510		14.50		14.50		17.50							
		110	5550		18.50		18.50		21.50							
		126	5630		18.50		18.50		21.50							
		134	5670		15.50		15.50		18.50							
		142	5710		18.50		18.50		21.50							
802.11ax-HE80 MCS0		106	5530		10.50		10.50		13.50							
		122	5610		18.50		18.50		21.50							
		138	5690		18.50		18.50		21.50							
802.11ax-HE160 MCS0		114	5570	Not required	9.50	Not required	9.50	Not required	12.50	Not required						
802.11be-EHT20 MCS0		100	5500		18.50		18.50		21.50							
		116	5580		18.50		18.50		21.50							
		124	5620		18.50		18.50		21.50							
		132	5660		18.50		18.50		21.50							
		140	5700		13.50		13.50		16.50							
802.11be-EHT40 MCS0		102	5510		14.50		14.50		17.50							
		110	5550		18.50		18.50		21.50							
		126	5630		18.50		18.50		21.50							
		134	5670		15.50		15.50		18.50							
		142	5710		18.50		18.50		21.50							
802.11be-EHT80 MCS0		106	5530		10.50		10.50		13.50							
		122	5610		18.50		18.50		21.50							
		138	5690		18.50		18.50		21.50							
802.11be-EHT160 MCS0		114	5570		9.50		9.50		12.50							



WLAN 5.8GHz Power index 1

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not required	16.00	Not required	16.00	Not required	19.00	Not required
		157	5785		16.00		16.00		19.00	
		165	5825		16.00		16.00		19.00	
	802.11n-HT20 MCS0	149	5745	Not required	16.00	Not required	16.00	Not required	19.00	Not required
		157	5785		16.00		16.00		19.00	
		165	5825		16.00		16.00		19.00	
	802.11n-HT40 MCS0	151	5755	15.25	16.00	15.68	16.00	18.48	19.00	99.13
		159	5795	15.25	16.00	15.68	16.00	18.48	19.00	
	802.11ac-VHT20 MCS0	149	5745	Not required	16.00	Not required	16.00	Not required	19.00	Not required
		157	5785		16.00		16.00		19.00	
		165	5825		16.00		16.00		19.00	
	802.11ac-VHT40 MCS0	151	5755	Not required	16.00	Not required	16.00	Not required	19.00	Not required
		159	5795		16.00		16.00		19.00	
	802.11ac-VHT80 MCS0	155	5775	15.25	16.00	15.28	16.00	18.28	19.00	97.77
	802.11ax-HE20 MCS0	149	5745	Not required	16.00	Not required	16.00	Not required	19.00	Not required
		157	5785		16.00		16.00		19.00	
		165	5825		16.00		16.00		19.00	
	802.11ax-HE40 MCS0	151	5755	Not required	16.00	Not required	16.00	Not required	19.00	Not required
		159	5795		16.00		16.00		19.00	
	802.11ax-HE80 MCS0	155	5775	15.25	16.00	15.28	16.00	18.28	19.00	97.77
802.11be-EHT20 MCS0	149	5745	Not required	16.00	Not required	16.00	Not required	19.00	Not required	
	157	5785		16.00		16.00		19.00		
	165	5825		16.00		16.00		19.00		
802.11be-EHT40 MCS0	151	5755	Not required	16.00	Not required	16.00	Not required	19.00	Not required	
	159	5795		16.00		16.00		19.00		
802.11be-EHT80 MCS0	155	5775	15.25	16.00	15.28	16.00	18.28	19.00	97.77	



WLAN 5.8GHz Power index 2

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not required	14.00	Not required	14.00	Not required	17.00	Not required				
		157	5785		14.00		17.00							
		165	5825		14.00		17.00							
	802.11n-HT20 MCS0	149	5745		14.00		14.00		17.00					
		157	5785		14.00		14.00		17.00					
		165	5825		14.00		14.00		17.00					
	802.11n-HT40 MCS0	151	5755		14.00		14.00		17.00					
		159	5795		14.00		14.00		17.00					
	802.11ac-VHT20 MCS0	149	5745		14.00		14.00		17.00					
		157	5785		14.00		14.00		17.00					
		165	5825		14.00		14.00		17.00					
	802.11ac-VHT40 MCS0	151	5755		14.00		14.00		17.00					
		159	5795		14.00		14.00		17.00					
	802.11ac-VHT80 MCS0	155	5775		13.75		14.00		13.78		14.00	16.78	17.00	97.77
	802.11ax-HE20 MCS0	149	5745		Not required		14.00		Not required		14.00	Not required	17.00	Not required
		157	5785				14.00				17.00			
		165	5825				14.00				17.00			
	802.11ax-HE40 MCS0	151	5755				14.00				14.00		17.00	
		159	5795				14.00				14.00		17.00	
	802.11ax-HE80 MCS0	155	5775				14.00				14.00		17.00	
802.11be-EHT20 MCS0	149	5745	14.00	14.00		17.00								
	157	5785	14.00	14.00		17.00								
	165	5825	14.00	14.00		17.00								
802.11be-EHT40 MCS0	151	5755	14.00	14.00		17.00								
	159	5795	14.00	14.00		17.00								
802.11be-EHT80 MCS0	155	5775	14.00	14.00		17.00								



WLAN 5.8GHz Power index 3/4

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not required	9.50	Not required	9.50	Not required	12.50	Not required				
		157	5785		9.50		9.50		12.50					
		165	5825		9.50		9.50		12.50					
	802.11n-HT20 MCS0	149	5745		9.50		9.50		12.50					
		157	5785		9.50		9.50		12.50					
		165	5825		9.50		9.50		12.50					
	802.11n-HT40 MCS0	151	5755		9.50		9.50		12.50					
		159	5795		9.50		9.50		12.50					
	802.11ac-VHT20 MCS0	149	5745		9.50		9.50		12.50					
		157	5785		9.50		9.50		12.50					
		165	5825		9.50		9.50		12.50					
	802.11ac-VHT40 MCS0	151	5755		9.50		9.50		12.50					
		159	5795		9.50		9.50		12.50					
	802.11ac-VHT80 MCS0	155	5775		8.65		9.50		9.28		9.50	11.99	12.50	97.77
	802.11ax-HE20 MCS0	149	5745		Not required		9.50		Not required		9.50	Not required	12.50	Not required
		157	5785				9.50				9.50		12.50	
		165	5825				9.50				9.50		12.50	
	802.11ax-HE40 MCS0	151	5755				9.50				9.50		12.50	
		159	5795				9.50				9.50		12.50	
	802.11ax-HE80 MCS0	155	5775				9.50				9.50		12.50	
802.11be-EHT20 MCS0	149	5745	9.50	9.50		12.50								
	157	5785	9.50	9.50		12.50								
	165	5825	9.50	9.50		12.50								
802.11be-EHT40 MCS0	151	5755	9.50	9.50		12.50								
	159	5795	9.50	9.50		12.50								
802.11be-EHT80 MCS0	155	5775	9.50	9.50		12.50								



WLAN 5.8GHz Power index 5/6

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4					
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.50	21.00	20.98	21.00	23.76	24.00	100.00			
		157	5785	20.45	21.00	20.98	21.00	23.73	24.00				
		165	5825	20.55	21.00	20.98	21.00	23.78	24.00				
	802.11n-HT20 MCS0	149	5745	Not required	21.00	Not required	21.00	21.00	24.00	Not required			
		157	5785								21.00	21.00	24.00
		165	5825								21.00	21.00	24.00
	802.11n-HT40 MCS0	151	5755								20.00	20.00	23.00
		159	5795								20.00	20.00	23.00
	802.11ac-VHT20 MCS0	149	5745								21.00	21.00	24.00
		157	5785								21.00	21.00	24.00
		165	5825								21.00	21.00	24.00
	802.11ac-VHT40 MCS0	151	5755								20.00	20.00	23.00
		159	5795								20.00	20.00	23.00
	802.11ac-VHT80 MCS0	155	5775								20.00	20.00	23.00
	802.11ax-HE20 MCS0	149	5745								21.00	21.00	24.00
		157	5785								21.00	21.00	24.00
		165	5825								21.00	21.00	24.00
	802.11ax-HE40 MCS0	151	5755								20.00	20.00	23.00
		159	5795								20.00	20.00	23.00
	802.11ax-HE80 MCS0	155	5775								20.00	20.00	23.00
	802.11be-EHT20 MCS0	149	5745								21.00	21.00	24.00
		157	5785								21.00	21.00	24.00
		165	5825								21.00	21.00	24.00
	802.11be-EHT40 MCS0	151	5755								20.00	20.00	23.00
		159	5795								20.00	20.00	23.00
	802.11be-EHT80 MCS0	155	5775								20.00	20.00	23.00



WLAN 5.8GHz Power index 7

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not required	18.00	Not required	18.00	Not required	21.00	Not required				
		157	5785		18.00		18.00		21.00					
		165	5825		18.00		18.00		21.00					
	802.11n-HT20 MCS0	149	5745		18.00		18.00		21.00					
		157	5785		18.00		18.00		21.00					
		165	5825		18.00		18.00		21.00					
	802.11n-HT40 MCS0	151	5755		18.00		18.00		21.00					
		159	5795		18.00		18.00		21.00					
	802.11ac-VHT20 MCS0	149	5745		18.00		18.00		21.00					
		157	5785		18.00		18.00		21.00					
		165	5825		18.00		18.00		21.00					
	802.11ac-VHT40 MCS0	151	5755		18.00		18.00		21.00					
		159	5795		18.00		18.00		21.00					
	802.11ac-VHT80 MCS0	155	5775		16.65		18.00		17.48		18.00	20.10	21.00	97.77
	802.11ax-HE20 MCS0	149	5745		Not required		18.00		Not required		18.00	Not required	21.00	Not required
		157	5785				18.00				18.00		21.00	
		165	5825				18.00				18.00		21.00	
	802.11ax-HE40 MCS0	151	5755				18.00				18.00		21.00	
		159	5795				18.00				18.00		21.00	
	802.11ax-HE80 MCS0	155	5775				18.00				18.00		21.00	
802.11be-EHT20 MCS0	149	5745	18.00	18.00		21.00								
	157	5785	18.00	18.00		21.00								
	165	5825	18.00	18.00		21.00								
802.11be-EHT40 MCS0	151	5755	18.00	18.00		21.00								
	159	5795	18.00	18.00		21.00								
802.11be-EHT80 MCS0	155	5775	18.00	18.00		21.00								



WLAN 5.8GHz Power index 8

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not required	15.50	Not required	15.50	Not required	18.50	Not required				
		157	5785		15.50		18.50							
		165	5825		15.50		18.50							
	802.11n-HT20 MCS0	149	5745		15.50		18.50							
		157	5785		15.50		18.50							
		165	5825		15.50		18.50							
	802.11n-HT40 MCS0	151	5755		15.50		18.50							
		159	5795		15.50		18.50							
	802.11ac-VHT20 MCS0	149	5745		15.50		18.50							
		157	5785		15.50		18.50							
		165	5825		15.50		18.50							
	802.11ac-VHT40 MCS0	151	5755		15.50		18.50							
		159	5795		15.50		18.50							
	802.11ac-VHT80 MCS0	155	5775		14.25		15.50		14.78		15.50	17.53	18.50	97.77
	802.11ax-HE20 MCS0	149	5745		Not required		15.50		Not required		15.50	Not required	18.50	Not required
		157	5785				15.50				18.50			
		165	5825				15.50				18.50			
	802.11ax-HE40 MCS0	151	5755				15.50				18.50			
		159	5795				15.50				18.50			
	802.11ax-HE80 MCS0	155	5775				15.50				18.50			
802.11be-EHT20 MCS0	149	5745	15.50	18.50										
	157	5785	15.50	18.50										
	165	5825	15.50	18.50										
802.11be-EHT40 MCS0	151	5755	15.50	18.50										
	159	5795	15.50	18.50										
802.11be-EHT80 MCS0	155	5775	15.50	18.50										



WLAN 5.8GHz Power index 9

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not required	16.00	Not required	16.00	Not required	19.00	Not required				
		157	5785		16.00		19.00							
		165	5825		16.00		19.00							
	802.11n-HT20 MCS0	149	5745		16.00		16.00		19.00					
		157	5785		16.00		16.00		19.00					
		165	5825		16.00		16.00		19.00					
	802.11n-HT40 MCS0	151	5755		16.00		16.00		19.00					
		159	5795		16.00		16.00		19.00					
	802.11ac-VHT20 MCS0	149	5745		16.00		16.00		19.00					
		157	5785		16.00		16.00		19.00					
		165	5825		16.00		16.00		19.00					
	802.11ac-VHT40 MCS0	151	5755		16.00		16.00		19.00					
		159	5795		16.00		16.00		19.00					
	802.11ac-VHT80 MCS0	155	5775		14.25		16.00		14.78		16.00	17.53	19.00	97.77
	802.11ax-HE20 MCS0	149	5745		Not required		16.00		Not required		16.00	Not required	19.00	Not required
		157	5785				16.00				19.00			
		165	5825				16.00				19.00			
	802.11ax-HE40 MCS0	151	5755				16.00				16.00		19.00	
		159	5795				16.00				16.00		19.00	
	802.11ax-HE80 MCS0	155	5775				16.00				16.00		19.00	
802.11be-EHT20 MCS0	149	5745	16.00	16.00		19.00								
	157	5785	16.00	16.00		19.00								
	165	5825	16.00	16.00		19.00								
802.11be-EHT40 MCS0	151	5755	16.00	16.00		19.00								
	159	5795	16.00	16.00		19.00								
802.11be-EHT80 MCS0	155	5775	16.00	16.00		19.00								



WLAN 5.9GHz Power index 1

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.9GHz WLAN	802.11a 6Mbps	169	5845	Not required	15.50	Not required	15.50	Not required	18.50	Not required				
		173	5865		15.50		18.50							
		177	5885		15.50		18.50							
	802.11n-HT20 MCS0	169	5845		15.50		15.50		18.50					
		173	5865		15.50		15.50		18.50					
		177	5885		15.50		15.50		18.50					
	802.11n-HT40 MCS0	167	5835		15.50		15.50		18.50					
		175	5875		15.50		15.50		18.50					
	802.11ac-VHT20 MCS0	169	5845		15.50		15.50		18.50					
		173	5865		15.50		15.50		18.50					
		177	5885		15.50		15.50		18.50					
	802.11ac-VHT40 MCS0	167	5835		15.50		15.50		18.50					
		175	5875		15.50		15.50		18.50					
	802.11ac-VHT80 MCS0	171	5855		14.85		15.50		15.08		15.50	17.98	18.50	97.75
	802.11ac-VHT160 MCS0	163	5815		14.65		15.50		14.98		15.50	17.83	18.50	95.80
	802.11ax-HE20 MCS0	169	5845		Not required		15.50		Not required		15.50	Not required	18.50	Not required
		173	5865				15.50				18.50			
		177	5885				15.50				18.50			
	802.11ax-HE40 MCS0	167	5835				15.50				15.50		18.50	
		175	5875				15.50				15.50		18.50	
802.11ax-HE80 MCS0	171	5855	15.50	15.50		18.50								
802.11ax-HE160 MCS0	163	5815	15.50	15.50		18.50								
802.11be-EHT20 MCS0	169	5845	15.50	15.50		18.50								
	173	5865	15.50	15.50		18.50								
	177	5885	15.50	15.50		18.50								
802.11be-EHT40 MCS0	167	5835	15.50	15.50		18.50								
	175	5875	15.50	15.50		18.50								
802.11be-EHT80 MCS0	171	5855	15.50	15.50		18.50								
802.11be-EHT160 MCS0	163	5815	15.50	15.50		18.50								



WLAN 5.9GHz Power index 2

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.9GHz WLAN	802.11a 6Mbps	169	5845	Not required	13.00	Not required	13.00	Not required	16.00	Not required				
		173	5865		13.00		16.00							
		177	5885		13.00		16.00							
	802.11n-HT20 MCS0	169	5845		13.00		13.00		16.00					
		173	5865		13.00		13.00		16.00					
		177	5885		13.00		13.00		16.00					
	802.11n-HT40 MCS0	167	5835		13.00		13.00		16.00					
		175	5875		13.00		13.00		16.00					
	802.11ac-VHT20 MCS0	169	5845		13.00		13.00		16.00					
		173	5865		13.00		13.00		16.00					
		177	5885		13.00		13.00		16.00					
	802.11ac-VHT40 MCS0	167	5835		13.00		13.00		16.00					
		175	5875		13.00		13.00		16.00					
		171	5855		13.00		13.00		16.00					
	802.11ac-VHT80 MCS0	171	5855		13.00		13.00		16.00					
	802.11ac-VHT160 MCS0	163	5815		12.35		13.00		12.48		13.00	15.43	16.00	95.80
	802.11ax-HE20 MCS0	169	5845		Not required		13.00		Not required		13.00	Not required	16.00	Not required
		173	5865				13.00				16.00			
		177	5885				13.00				16.00			
	802.11ax-HE40 MCS0	167	5835				13.00				13.00		16.00	
175		5875	13.00	13.00		16.00								
802.11ax-HE80 MCS0	171	5855	13.00	13.00		16.00								
802.11ax-HE160 MCS0	163	5815	13.00	13.00		16.00								
802.11be-EHT20 MCS0	169	5845	Not required	13.00		Not required	13.00	Not required		16.00	Not required			
	173	5865		13.00			16.00							
	177	5885		13.00			16.00							
802.11be-EHT40 MCS0	167	5835		13.00			13.00			16.00				
	175	5875		13.00			13.00			16.00				
802.11be-EHT80 MCS0	171	5855		13.00			13.00			16.00				
802.11be-EHT160 MCS0	163	5815		13.00			13.00			16.00				



WLAN 5.9GHz Power index 3/4

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.9GHz WLAN	802.11a 6Mbps	169	5845	Not required	9.50	Not required	9.50	Not required	12.50	Not required				
		173	5865		9.50		12.50							
		177	5885		9.50		12.50							
	802.11n-HT20 MCS0	169	5845		9.50		12.50							
		173	5865		9.50		12.50							
		177	5885		9.50		12.50							
	802.11n-HT40 MCS0	167	5835		9.50		12.50							
		175	5875		9.50		12.50							
	802.11ac-VHT20 MCS0	169	5845		9.50		12.50							
		173	5865		9.50		12.50							
		177	5885		9.50		12.50							
	802.11ac-VHT40 MCS0	167	5835		9.50		12.50							
		175	5875		9.50		12.50							
	802.11ac-VHT80 MCS0	171	5855		9.50		12.50							
	802.11ac-VHT160 MCS0	163	5815		9.35		9.50		9.08		9.50	12.23	12.50	95.80
	802.11ax-HE20 MCS0	169	5845		Not required		9.50		Not required		9.50	Not required	12.50	Not required
		173	5865				9.50				12.50			
		177	5885				9.50				12.50			
	802.11ax-HE40 MCS0	167	5835				9.50				12.50			
		175	5875				9.50				12.50			
802.11ax-HE80 MCS0	171	5855	9.50	12.50										
802.11ax-HE160 MCS0	163	5815	9.50	12.50										
802.11be-EHT20 MCS0	169	5845	9.50	12.50										
	173	5865	9.50	12.50										
	177	5885	9.50	12.50										
802.11be-EHT40 MCS0	167	5835	9.50	12.50										
	175	5875	9.50	12.50										
802.11be-EHT80 MCS0	171	5855	9.50	12.50										
802.11be-EHT160 MCS0	163	5815	9.50	12.50										



WLAN 5.9GHz Power index 5/6/7/8/9

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.9GHz WLAN UNII 4	802.11a 6Mbps	169	5845	Not required	18.00	Not required	18.00	Not required	21.00	Not required				
		173	5865		18.00		21.00							
		177	5885		18.00		21.00							
	802.11n-HT20 MCS0	169	5845		18.00		18.00		21.00					
		173	5865		18.00		18.00		21.00					
		177	5885		18.00		18.00		21.00					
	802.11n-HT40 MCS0	167	5835		18.00		18.00		21.00					
		175	5875		18.00		18.00		21.00					
	802.11ac-VHT20 MCS0	169	5845		18.00		18.00		21.00					
		173	5865		18.00		18.00		21.00					
		177	5885		18.00		18.00		21.00					
	802.11ac-VHT40 MCS0	167	5835		18.00		18.00		21.00					
		175	5875		18.00		18.00		21.00					
	802.11ac-VHT80 MCS0	171	5855		16.45		18.00		16.88		18.00	19.68	21.00	97.75
	802.11ac-VHT160 MCS0	163	5815		Not required		15.50		Not required		15.50	Not required	18.50	Not required
	802.11ax-HE20 MCS0	169	5845				18.00				18.00		21.00	
		173	5865				18.00				18.00		21.00	
		177	5885				18.00				18.00		21.00	
	802.11ax-HE40 MCS0	167	5835				18.00				18.00		21.00	
		175	5875				18.00				18.00		21.00	
802.11ax-HE80 MCS0	171	5855	18.00	18.00		21.00								
802.11ax-HE160 MCS0	163	5815	15.50	15.50		18.50								
802.11be-EHT20 MCS0	169	5845	18.00	18.00		21.00								
	173	5865	18.00	18.00		21.00								
	177	5885	18.00	18.00		21.00								
802.11be-EHT40 MCS0	167	5835	18.00	18.00		21.00								
	175	5875	18.00	18.00		21.00								
802.11be-EHT80 MCS0	171	5855	18.00	18.00		21.00								
802.11be-EHT160 MCS0	163	5815	16.00	16.00		19.00								



WLAN 6GHz Power index 1/2_SP

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
WiFi 6E	802.11a 6Mbps	1	5955	Not required	12.50	Not required	12.50	Not required	15.50	Not required				
		57	6235		12.50		15.50							
		173	6815		14.00		17.00							
	802.11ax-HE20 MCS0	1	5955		12.50		12.50		15.50					
		57	6235		12.50		12.50		15.50					
		173	6815		14.00		14.00		17.00					
	802.11ax-HE40 MCS0	3	5965		12.50		12.50		15.50					
		59	6245		12.50		12.50		15.50					
		171	6805		14.00		14.00		17.00					
	802.11ax-HE80 MCS0	7	5985		12.50		12.50		15.50					
		71	6305		12.50		12.50		15.50					
		167	6785		14.00		14.00		17.00					
	802.11ax-HE160 MCS0	15	6025		11.90		12.50		12.07		12.50	15.00	15.50	95.33
		47	6185		12.00		12.50		11.87		12.50	14.95	15.50	
		143	6665		14.20		15.00		14.37		15.00	17.30	18.00	
	802.11be-EHT20 MCS0	1	5955		Not required		12.50		Not required		12.50	Not required	15.50	Not required
		57	6235				12.50				15.50			
		173	6815				14.00				17.00			
	802.11be-EHT40 MCS0	3	5965				12.50				12.50		15.50	
		59	6245				12.50				12.50		15.50	
		171	6805				14.00				14.00		17.00	
802.11be-EHT80 MCS0	7	5985	12.50	12.50		15.50								
	71	6305	12.50	12.50		15.50								
	167	6785	14.00	14.00		17.00								
802.11be-EHT160 MCS0	15	6025	12.50	12.50		15.50								
	47	6185	12.50	12.50		15.50								
	143	6665	15.00	15.00		18.00								



WLAN 6GHz Power index 3/4_SP

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
WiFi 6E	802.11a 6Mbps	1	5955	Not required	10.50	Not required	10.50	Not required	13.50	Not required				
		57	6235		10.50		13.50							
		173	6815		11.00		14.00							
	802.11ax-HE20 MCS0	1	5955		10.50		10.50		13.50					
		57	6235		10.50		10.50		13.50					
		173	6815		11.00		11.00		14.00					
	802.11ax-HE40 MCS0	3	5965		10.50		10.50		13.50					
		59	6245		10.50		10.50		13.50					
		171	6805		11.00		11.00		14.00					
	802.11ax-HE80 MCS0	7	5985		10.50		10.50		13.50					
		71	6305		10.50		10.50		13.50					
		167	6785		11.00		11.00		14.00					
	802.11ax-HE160 MCS0	15	6025		9.80		10.50		10.47		10.50	13.16	13.50	95.33
		47	6185		10.20		10.50		10.17		10.50	13.20	13.50	
		143	6665		10.60		11.00		10.67		11.00	13.65	14.00	
	802.11be-EHT20 MCS0	1	5955		Not required		10.50		Not required		10.50	Not required	13.50	Not required
		57	6235				10.50				13.50			
		173	6815				11.00				14.00			
	802.11be-EHT40 MCS0	3	5965				10.50				10.50		13.50	
		59	6245				10.50				10.50		13.50	
		171	6805				11.00				11.00		14.00	
	802.11be-EHT80 MCS0	7	5985				10.50				10.50		13.50	
		71	6305				10.50				10.50		13.50	
		167	6785				11.00				11.00		14.00	
802.11be-EHT160 MCS0	15	6025	10.50	10.50		13.50								
	47	6185	10.50	10.50		13.50								
	143	6665	11.00	11.00		14.00								



WLAN 6GHz Power index 5/6/7/8/9_SP

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
WiFi 6E	802.11a 6Mbps	1	5955	Not required	11.50	Not required	11.50	Not required	14.50	Not required				
		57	6235		11.50		14.50							
		173	6815		12.00		15.00							
	802.11ax-HE20 MCS0	1	5955		11.50		11.50		14.50					
		57	6235		11.50		11.50		14.50					
		173	6815		12.00		12.00		15.00					
	802.11ax-HE40 MCS0	3	5965		11.50		11.50		14.50					
		59	6245		11.50		11.50		14.50					
		171	6805		12.00		12.00		15.00					
	802.11ax-HE80 MCS0	7	5985		11.50		11.50		14.50					
		71	6305		11.50		11.50		14.50					
		167	6785		12.00		12.00		15.00					
	802.11ax-HE160 MCS0	15	6025		11.00		11.50		10.37		11.50	13.71	14.50	95.33
		47	6185		10.30		11.50		10.17		11.50	13.25	14.50	
		143	6665		11.00		12.00		11.07		12.00	14.05	15.00	
	802.11be-EHT20 MCS0	1	5955		Not required		11.50		Not required		11.50	Not required	14.50	Not required
		57	6235				11.50				14.50			
		173	6815				12.00				15.00			
	802.11be-EHT40 MCS0	3	5965				11.50				11.50		14.50	
		59	6245				11.50				11.50		14.50	
		171	6805				12.00				12.00		15.00	
802.11be-EHT80 MCS0	7	5985	11.50	11.50		14.50								
	71	6305	11.50	11.50		14.50								
	167	6785	12.00	12.00		15.00								
802.11be-EHT160 MCS0	15	6025	11.50	11.50		14.50								
	47	6185	11.50	11.50		14.50								
	143	6665	12.00	12.00		15.00								



WLAN 6GHz Power index 1/2_LPI

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4									
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
WiFi 6E	802.11a 6Mbps	1	5955	Not required	6.00	Not required	6.00	Not required	9.00	Not required							
		57	6235		6.00		6.00		9.00								
		113	6515		6.00		6.00		9.00								
		173	6815		6.00		6.00		9.00								
	802.11ax-HE20 MCS0	1	5955		7.50		7.50		10.50								
		57	6235		7.50		7.50		10.50								
		113	6515		6.00		6.00		9.00								
		173	6815		8.00		8.00		11.00								
	802.11ax-HE40 MCS0	3	5965		7.50		7.50		10.50								
		59	6245		10.50		10.50		13.50								
		107	6485		7.50		7.50		10.50								
		171	6805		8.00		8.00		11.00								
	802.11ax-HE80 MCS0	227	7085		12.00		12.00		15.00								
		7	5985		12.50		12.50		15.50								
		71	6305		12.50		12.50		15.50								
		119	6545		12.00		12.00		15.00								
	802.11ax-HE160 MCS0	167	6785		14.50		14.50		17.50								
		215	7025		15.00		15.00		18.00								
		15	6025		11.90		12.50		12.07		12.50	15.00	15.50	95.33			
		47	6185		12.00		12.50		11.87		12.50	14.95	15.50				
	111	6505	13.40		14.00		13.37		14.00		16.40	17.00					
	143	6665	14.20		15.00		14.37		15.00		17.30	18.00					
	802.11ax-HE160 MCS0	207	6985		15.80		17.50		17.07		17.50	19.49	20.50				
		802.11be-EHT20 MCS0	1		5955		Not required		7.50		Not required	7.50	Not required	10.50	Not required		
			57		6235				7.50			7.50		10.50			
			113		6515				6.00			6.00		9.00			
	173		6815		8.00				8.00			11.00					
	802.11be-EHT40 MCS0	3	5965		7.50				7.50			10.50					
		59	6245		10.50				10.50			13.50					
		107	6485		7.50				7.50			10.50					
		171	6805		8.00				8.00			11.00					
	802.11be-EHT80 MCS0	227	7085		12.00				12.00			15.00					
		7	5985		12.50				12.50			15.50					
		71	6305		12.50				12.50			15.50					
		119	6545		12.00				12.00			15.00					
	802.11be-EHT160 MCS0	167	6785		14.50				14.50			17.50					
		215	7025		15.00				15.00			18.00					
		15	6025		12.50				12.50			12.50		12.50		15.50	95.33
		47	6185		12.50				12.50			12.50		12.50		15.50	
	111	6505	14.50		14.50				14.50			14.50		17.50			
143	6665	15.00	15.00	15.00	15.00	18.00											
802.11be-EHT160 MCS0	207	6985	17.50	17.50	17.50	17.50		20.50									



WLAN 6GHz Power index 3/4_LPI

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4							
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %					
WiFi 6E	802.11a 6Mbps	1	5955	Not required	6.00	Not required	6.00	Not required	9.00	Not required					
		57	6235		6.00		6.00		9.00						
		113	6515		6.00		6.00		9.00						
		173	6815		6.00		6.00		9.00						
	802.11ax-HE20 MCS0	1	5955		7.50		7.50		10.50						
		57	6235		7.50		7.50		10.50						
		113	6515		6.00		6.00		9.00						
		173	6815		8.00		8.00		11.00						
	802.11ax-HE40 MCS0	3	5965		7.50		7.50		10.50						
		59	6245		10.50		10.50		13.50						
		107	6485		7.50		7.50		10.50						
		171	6805		8.00		8.00		11.00						
	802.11ax-HE80 MCS0	227	7085		12.00		12.00		15.00						
		7	5985		10.50		10.50		13.50						
		71	6305		10.50		10.50		13.50						
		119	6545		11.50		11.50		14.50						
	802.11ax-HE160 MCS0	167	6785		11.00		11.00		14.00						
		215	7025		12.00		12.00		15.00						
		15	6025		9.80		10.50		10.47		10.50	13.16	13.50	95.33	
		47	6185		10.20		10.50		10.17		10.50	13.20	13.50		
	111	6505	10.90		11.50		11.47		11.50		14.20	14.50			
	143	6665	10.60		11.00		10.67		11.00		13.65	14.00			
	802.11ax-HE160 MCS0	207	6985		11.30		12.00		11.87		12.00	14.60	15.00		
		802.11be-EHT20 MCS0	1		5955		Not required		7.50		Not required	7.50	Not required	10.50	Not required
			57		6235				7.50			7.50		10.50	
			113		6515				6.00			6.00		9.00	
	173		6815		8.00				8.00			11.00			
	802.11be-EHT40 MCS0	3	5965		7.50				7.50			10.50			
		59	6245		10.50				10.50			13.50			
		107	6485		7.50				7.50			10.50			
		171	6805		8.00				8.00			11.00			
	802.11be-EHT80 MCS0	227	7085		12.00				12.00			15.00			
7		5985	10.50	10.50	13.50										
71		6305	10.50	10.50	13.50										
119		6545	11.50	11.50	14.50										
802.11be-EHT80 MCS0	167	6785	11.00	11.00	14.00										
	215	7025	12.00	12.00	15.00										
	15	6025	10.50	10.50	10.50	10.50		13.50	Not required						
	47	6185	10.50	10.50	10.50	10.50		13.50							
111	6505	11.50	11.50	11.50	11.50	14.50									
143	6665	11.00	11.00	11.00	11.00	14.00									
802.11be-EHT160 MCS0	207	6985	12.00	12.00	12.00	12.00		15.00	15.00						



WLAN 6GHz Power index 5/6/7/8/9_LPI

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4						
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
WiFi 6E	802.11a 6Mbps	1	5955	Not required	6.00	Not required	6.00	Not required	9.00	Not required				
		57	6235		6.00		6.00		9.00					
		113	6515		6.00		6.00		9.00					
		173	6815		6.00		6.00		9.00					
	802.11ax-HE20 MCS0	1	5955		7.50		7.50		10.50					
		57	6235		7.50		7.50		10.50					
		113	6515		6.00		6.00		9.00					
		173	6815		8.00		8.00		11.00					
	802.11ax-HE40 MCS0	3	5965		7.50		7.50		10.50					
		59	6245		10.50		10.50		13.50					
		107	6485		7.50		7.50		10.50					
		171	6805		8.00		8.00		11.00					
	802.11ax-HE80 MCS0	227	7085		12.00		12.00		15.00					
		7	5985		11.50		11.50		14.50					
		71	6305		11.50		11.50		14.50					
		119	6545		10.00		10.00		13.00					
	802.11ax-HE160 MCS0	167	6785		12.00		12.00		15.00					
		215	7025		13.50		13.50		16.50					
		15	6025		11.00		11.50		14.50					
		47	6185		10.30		11.50		14.50					
	802.11ax-HE160 MCS0	111	6505		8.20		10.00		13.00					
		143	6665		11.00		12.00		15.00					
		207	6985		12.40		13.50		16.50					
									95.33					
	802.11be-EHT20 MCS0	1	5955		Not required		7.50		Not required		7.50	Not required	10.50	Not required
		57	6235				7.50				7.50		10.50	
		113	6515				6.00				6.00		9.00	
		173	6815				8.00				8.00		11.00	
	802.11be-EHT40 MCS0	3	5965				7.50				7.50		10.50	
		59	6245				10.50				10.50		13.50	
		107	6485				7.50				7.50		10.50	
		171	6805				8.00				8.00		11.00	
	802.11be-EHT80 MCS0	227	7085				12.00				12.00		15.00	
		7	5985				11.50				11.50		14.50	
		71	6305				11.50				11.50		14.50	
		119	6545				10.00				10.00		13.00	
	802.11be-EHT80 MCS0	167	6785				12.00				12.00		15.00	
		215	7025				13.50				13.50		16.50	
		15	6025				11.50				11.50		14.50	
		47	6185				11.50				11.50		14.50	
802.11be-EHT160 MCS0	111	6505	10.00	10.00		13.00								
	143	6665	12.00	12.00		15.00								
	207	6985	13.50	13.50		16.50								



Bluetooth Power Index 1

	Mode	Channel	Frequency (MHz)	Ant 3			Ant 4			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
Bluetooth	BR / EDR 1Mbps	0	2402	11.25	12.00	77.13	11.98	12.00	77.13	
		39	2441	11.25	12.00		11.88	12.00		
		78	2480	11.25	12.00		11.98	12.00		
	BR / EDR 2Mbps	0	2402	Not required	12.00	Not required	Not required	12.00	12.00	Not required
		39	2441		12.00			12.00		
		78	2480		12.00			12.00		
	BR / EDR 3Mbps	0	2402		12.00			12.00		
		39	2441		12.00			12.00		
		78	2480		12.00			12.00		
	LE 1Mbps	0	2402		12.00			12.00		
		19	2440		12.00			12.00		
		39	2480		12.00			12.00		
	LE 2Mbps	0	2402		12.00			12.00		
		19	2440		12.00			12.00		
		39	2480		12.00			12.00		
	BLE CS GFSK 1Mbps	0	2402		12.00			12.00		
		39	2441		12.00			12.00		
		78	2480		12.00			12.00		
	BLE CS GFSK 2Mbps	2	2404		12.00			12.00		
		39	2441		12.00			12.00		
		76	2478		12.00			12.00		
	BLE CS ASK 1Mbps	2	2404		12.00			12.00		
		39	2441		12.00			12.00		
		76	2478		12.00			12.00		
BLE CS ASK 2Mbps	2	2404	12.00		12.00					
	39	2441	12.00		12.00					
	76	2478	12.00		12.00					

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	11.25	12.00	11.98	12.00	14.64	15.00	77.13
		39	2441	11.25	12.00	11.88	12.00	14.59	15.00	
		78	2480	11.25	12.00	11.98	12.00	14.64	15.00	
	BR / EDR 2Mbps	0	2402	Not required	12.00	Not required	Not required	Not required	15.00	Not required
		39	2441		12.00				15.00	
		78	2480		12.00				15.00	
	BR / EDR 3Mbps	0	2402		12.00				15.00	
		39	2441		12.00				15.00	
		78	2480		12.00				15.00	
	LE 1Mbps	0	2402		12.00				15.00	
		19	2440		12.00				15.00	
		39	2480		12.00				15.00	
	LE 2Mbps	0	2402		12.00				15.00	
		19	2440		12.00				15.00	
		39	2480		12.00				15.00	



Bluetooth Power Index 2

	Mode	Channel	Frequency (MHz)	Ant 3			Ant 4		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	19.09	20.00	77.13	19.79	20.00	77.13
		39	2441	18.44	19.50		19.33	19.50	
		78	2480	19.11	19.50		19.33	19.50	
	BR / EDR 2Mbps	0	2402	Not required	Not required	Not required	17.00	17.00	Not required
		39	2441				16.00	16.00	
		78	2480				16.50	16.50	
	BR / EDR 3Mbps	0	2402				17.00	17.00	
		39	2441				16.00	16.00	
		78	2480				16.50	16.50	
	LE 1Mbps	0	2402				19.50	19.50	
		19	2440				20.00	20.00	
		39	2480				20.00	20.00	
	LE 2Mbps	0	2402				20.00	20.00	
		19	2440				19.50	19.50	
		39	2480				19.50	19.50	
	BLE CS GFSK 1Mbps	0	2402				20.00	20.00	
		39	2441				20.00	20.00	
		78	2480				20.00	20.00	
	BLE CS GFSK 2Mbps	2	2404				20.00	20.00	
		39	2441				20.00	20.00	
		76	2478				20.00	20.00	
	BLE CS ASK 1Mbps	2	2404				20.00	20.00	
		39	2441				20.00	20.00	
		76	2478				20.00	20.00	
BLE CS ASK 2Mbps	2	2404	20.00				20.00		
	39	2441	20.00				20.00		
	76	2478	20.00				20.00		

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4					
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
Bluetooth	BR / EDR 1Mbps	0	2402	19.09	20.00	19.79	20.00	22.47	23.00	77.13			
		39	2441	18.44	19.50	19.33	19.50	21.92	22.50				
		78	2480	19.11	19.50	19.33	19.50	22.23	22.50				
	BR / EDR 2Mbps	0	2402	Not required	Not required	Not required	Not required	Not required	Not required	Not required			
		39	2441								17.00	17.00	20.00
		78	2480								16.00	16.00	19.00
	BR / EDR 3Mbps	0	2402								16.50	16.50	19.50
		39	2441								17.00	17.00	20.00
		78	2480								16.00	16.00	19.00
	LE 1Mbps	0	2402								16.50	16.50	19.50
		19	2440								19.50	19.50	22.50
		39	2480								20.00	20.00	23.00
	LE 2Mbps	0	2402								20.00	20.00	23.00
		19	2440								19.50	19.50	22.50
		39	2480								19.50	19.50	22.50



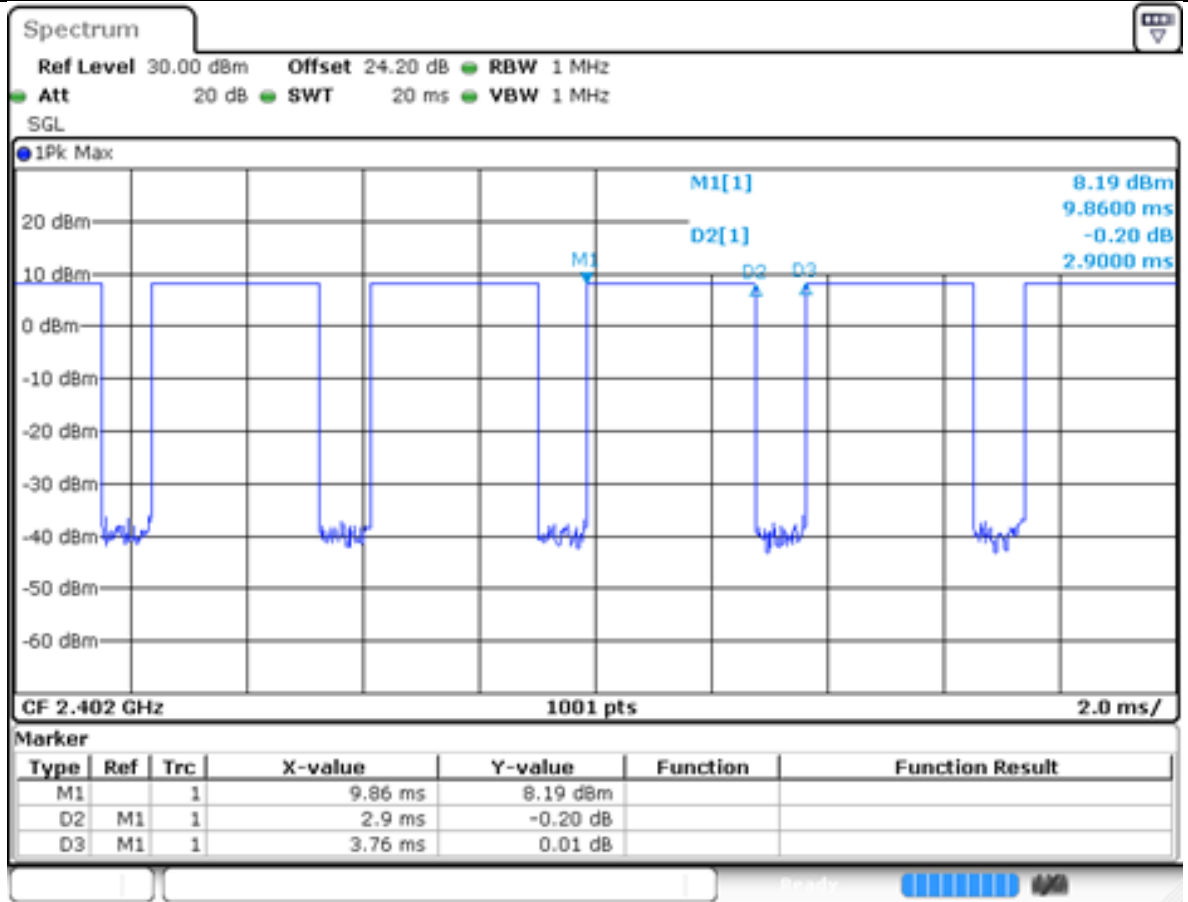
Bluetooth Power Index 3/4

	Mode	Channel	Frequency (MHz)	Ant 3			Ant 4					
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
Bluetooth	BR / EDR 1Mbps	0	2402	13.65	15.00	77.13	14.68	15.00	77.13			
		39	2441	13.95	15.00		14.58	15.00				
		78	2480	13.25	15.00		14.68	15.00				
	BR / EDR 2Mbps	0	2402	Not required	15.00	Not required	Not required	15.00	15.00	Not required		
		39	2441					15.00	15.00			
		78	2480					15.00	15.00			
	BR / EDR 3Mbps	0	2402					15.00	15.00		15.00	15.00
		39	2441					15.00	15.00		15.00	15.00
		78	2480					15.00	15.00		15.00	15.00
	LE 1Mbps	0	2402					15.00	15.00		15.00	15.00
		19	2440					15.00	15.00		15.00	15.00
		39	2480					15.00	15.00		15.00	15.00
	LE 2Mbps	0	2402					15.00	15.00		15.00	15.00
		19	2440					15.00	15.00		15.00	15.00
		39	2480					15.00	15.00		15.00	15.00
	BLE CS GFSK 1Mbps	0	2402					15.00	15.00		15.00	15.00
		39	2441					15.00	15.00		15.00	15.00
		78	2480					15.00	15.00		15.00	15.00
	BLE CS GFSK 2Mbps	2	2404					15.00	15.00		15.00	15.00
		39	2441					15.00	15.00		15.00	15.00
		76	2478					15.00	15.00		15.00	15.00
	BLE CS ASK 1Mbps	2	2404					15.00	15.00		15.00	15.00
		39	2441					15.00	15.00		15.00	15.00
		76	2478					15.00	15.00		15.00	15.00
	BLE CS ASK 2Mbps	2	2404					15.00	15.00		15.00	15.00
		39	2441					15.00	15.00		15.00	15.00
		76	2478					15.00	15.00		15.00	15.00

	Mode	Channel	Frequency (MHz)	Ant 3+4 (3)		Ant 3+4 (4)		Ant 3+4					
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
Bluetooth	BR / EDR 1Mbps	0	2402	13.65	15.00	14.68	15.00	17.21	18.00	77.13			
		39	2441	13.95	15.00	14.58	15.00	17.29	18.00				
		78	2480	13.25	15.00	14.68	15.00	17.03	18.00				
	BR / EDR 2Mbps	0	2402	Not required	15.00	Not required	Not required	Not required	18.00	18.00	Not required		
		39	2441						15.00	15.00		18.00	18.00
		78	2480						15.00	15.00		18.00	18.00
	BR / EDR 3Mbps	0	2402						15.00	15.00		18.00	18.00
		39	2441						15.00	15.00		18.00	18.00
		78	2480						15.00	15.00		18.00	18.00
	LE 1Mbps	0	2402						15.00	15.00		18.00	18.00
		19	2440						15.00	15.00		18.00	18.00
		39	2480						15.00	15.00		18.00	18.00
	LE 2Mbps	0	2402						15.00	15.00		18.00	18.00
		19	2440						15.00	15.00		18.00	18.00
		39	2480						15.00	15.00		18.00	18.00



BT Duty Cycle_Ant3 / Ant 4





Thread Power Index 1

Thread	Data Rate	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	250K	11	2405	10.15	11.00
		18	2440	10.20	11.00
		25	2475	10.25	11.00
		26	2480	10.15	11.00

Thread Power Index 3/4

Thread	Data Rate	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	250K	11	2405	13.85	14.50
		18	2440	13.85	14.50
		25	2475	14.45	14.50
		26	2480	13.95	14.50

Thread Power_Index 2

Thread	Data Rate	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	250K	11	2405	18.15	19.00
		18	2440	18.03	19.00
		25	2475	18.74	19.00
		26	2480	18.37	19.00