



Appendix D. Output Power Measurement

<FR1 n2_Ant 0_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	24.21	24.22	23.94	25.2
20	PI/2 BPSK	1	53	23.98	24.07	23.83	
20	PI/2 BPSK	1	104	23.84	23.91	23.64	
20	PI/2 BPSK	50	0	23.49	23.57	23.32	24.7
20	PI/2 BPSK	50	28	23.99	24.04	23.90	25.2
20	PI/2 BPSK	50	56	23.45	23.50	23.29	24.7
20	PI/2 BPSK	100	0	23.45	23.55	23.35	
20	QPSK	1	1	24.09	24.11	23.91	25.2
20	QPSK	1	53	24.12	24.15	23.85	
20	QPSK	1	104	23.92	23.96	23.74	
20	QPSK	50	0	23.05	23.12	22.86	24.2
20	QPSK	50	28	24.07	24.08	23.78	25.2
20	QPSK	50	56	23.00	23.03	22.76	24.2
20	QPSK	100	0	23.03	23.07	22.78	
20	16QAM	1	1	23.14	23.15	22.89	24.2
20	64QAM	1	1	21.59	21.63	21.33	22.7
20	256QAM	1	1	19.61	19.62	19.35	20.7
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	24.11	24.20	23.85	25.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	24.20	24.16	23.93	25.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	24.15	24.12	23.85	25.2



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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				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	24.21	24.22	23.94	24.5
20	PI/2 BPSK	1	53	23.98	24.07	23.83	
20	PI/2 BPSK	1	104	23.84	23.91	23.64	
20	PI/2 BPSK	50	0	23.49	23.57	23.32	24.5
20	PI/2 BPSK	50	28	23.99	24.04	23.90	24.5
20	PI/2 BPSK	50	56	23.45	23.50	23.29	24.5
20	PI/2 BPSK	100	0	23.45	23.55	23.35	
20	QPSK	1	1	24.09	24.11	23.91	24.5
20	QPSK	1	53	24.12	24.15	23.85	
20	QPSK	1	104	23.92	23.96	23.74	
20	QPSK	50	0	23.05	23.12	22.86	24.2
20	QPSK	50	28	24.07	24.08	23.78	24.5
20	QPSK	50	56	23.00	23.03	22.76	24.2
20	QPSK	100	0	23.03	23.07	22.78	
20	16QAM	1	1	23.14	23.15	22.89	24.2
20	64QAM	1	1	21.59	21.63	21.33	22.7
20	256QAM	1	1	19.61	19.62	19.35	20.7
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	24.11	24.20	23.85	24.5
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	24.20	24.16	23.93	24.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	24.15	24.12	23.85	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				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.50	23.53	23.46	24.0
20	PI/2 BPSK	1	53	23.46	23.52	23.42	
20	PI/2 BPSK	1	104	23.40	23.43	23.38	
20	PI/2 BPSK	50	0	23.50	23.50	23.40	24.0
20	PI/2 BPSK	50	28	23.54	23.55	23.41	24.0
20	PI/2 BPSK	50	56	23.43	23.50	23.40	24.0
20	PI/2 BPSK	100	0	23.51	23.53	23.42	
20	QPSK	1	1	23.53	23.54	23.48	24.0
20	QPSK	1	53	23.52	23.50	23.46	
20	QPSK	1	104	23.36	23.44	23.41	
20	QPSK	50	0	22.99	23.04	23.02	24.0
20	QPSK	50	28	23.48	23.51	23.41	24.0
20	QPSK	50	56	22.97	22.97	22.93	24.0
20	QPSK	100	0	22.99	23.00	22.94	
20	16QAM	1	1	22.90	22.97	22.92	24.0
20	64QAM	1	1	21.43	21.52	21.45	22.7
20	256QAM	1	1	19.45	19.55	19.49	20.7
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.40	23.48	23.38	24.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.37	23.50	23.38	24.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.42	23.51	23.39	24.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.50	23.53	23.46	25.2
20	PI/2 BPSK	1	53	23.46	23.52	23.42	
20	PI/2 BPSK	1	104	23.40	23.43	23.38	
20	PI/2 BPSK	50	0	23.50	23.50	23.40	24.7
20	PI/2 BPSK	50	28	23.54	23.55	23.41	25.2
20	PI/2 BPSK	50	56	23.43	23.50	23.40	24.7
20	PI/2 BPSK	100	0	23.51	23.53	23.42	
20	QPSK	1	1	23.53	23.54	23.48	25.2
20	QPSK	1	53	23.52	23.50	23.46	
20	QPSK	1	104	23.36	23.44	23.41	
20	QPSK	50	0	22.99	23.04	23.02	24.2
20	QPSK	50	28	23.48	23.51	23.41	25.2
20	QPSK	50	56	22.97	22.97	22.93	24.2
20	QPSK	100	0	22.99	23.00	22.94	
20	16QAM	1	1	22.90	22.97	22.92	24.2
20	64QAM	1	1	21.43	21.52	21.45	22.7
20	256QAM	1	1	19.45	19.55	19.49	20.7
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.40	23.48	23.38	25.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.37	23.50	23.38	25.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.42	23.51	23.39	25.2



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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				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.50	23.53	23.46	24.4
20	PI/2 BPSK	1	53	23.46	23.52	23.42	
20	PI/2 BPSK	1	104	23.40	23.43	23.38	
20	PI/2 BPSK	50	0	23.50	23.50	23.40	24.4
20	PI/2 BPSK	50	28	23.54	23.55	23.41	24.4
20	PI/2 BPSK	50	56	23.43	23.50	23.40	24.4
20	PI/2 BPSK	100	0	23.51	23.53	23.42	
20	QPSK	1	1	23.53	23.54	23.48	24.4
20	QPSK	1	53	23.52	23.50	23.46	
20	QPSK	1	104	23.36	23.44	23.41	
20	QPSK	50	0	22.99	23.04	23.02	24.2
20	QPSK	50	28	23.48	23.51	23.41	24.4
20	QPSK	50	56	22.97	22.97	22.93	24.2
20	QPSK	100	0	22.99	23.00	22.94	
20	16QAM	1	1	22.90	22.97	22.92	24.2
20	64QAM	1	1	21.43	21.52	21.45	22.7
20	256QAM	1	1	19.45	19.55	19.49	20.7
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.40	23.48	23.38	24.4
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.37	23.50	23.38	24.4
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.42	23.51	23.39	24.4



<FR1 n2_Ant 2_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	25.09	25.10	24.90	25.7
20	PI/2 BPSK	1	53	25.09	25.02	24.83	
20	PI/2 BPSK	1	104	24.90	24.90	24.89	
20	PI/2 BPSK	50	0	24.58	24.48	24.32	25.2
20	PI/2 BPSK	50	28	25.03	25.05	24.76	25.7
20	PI/2 BPSK	50	56	24.44	24.40	24.26	25.2
20	PI/2 BPSK	100	0	24.45	24.46	24.31	
20	QPSK	1	1	25.09	24.96	24.83	25.7
20	QPSK	1	53	25.10	25.04	24.77	
20	QPSK	1	104	24.91	24.83	24.92	
20	QPSK	50	0	24.04	23.97	23.81	24.7
20	QPSK	50	28	25.01	24.93	24.78	25.7
20	QPSK	50	56	23.94	23.83	23.79	24.7
20	QPSK	100	0	23.96	23.88	23.82	
20	16QAM	1	1	24.10	24.02	23.93	24.7
20	64QAM	1	1	22.52	22.51	22.40	23.2
20	256QAM	1	1	20.45	20.38	20.40	21.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	25.04	25.04	24.80	25.7
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	25.06	24.99	24.81	25.7
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	25.09	24.98	24.80	25.7



<FR1 n2_Ant 2_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	25.09	25.10	24.90	25.1
20	PI/2 BPSK	1	53	25.09	25.02	24.83	
20	PI/2 BPSK	1	104	24.90	24.90	24.89	
20	PI/2 BPSK	50	0	24.58	24.48	24.32	25.1
20	PI/2 BPSK	50	28	25.03	25.05	24.76	25.1
20	PI/2 BPSK	50	56	24.44	24.40	24.26	25.1
20	PI/2 BPSK	100	0	24.45	24.46	24.31	
20	QPSK	1	1	25.09	24.96	24.83	25.1
20	QPSK	1	53	25.10	25.04	24.77	
20	QPSK	1	104	24.91	24.83	24.92	
20	QPSK	50	0	24.04	23.97	23.81	24.7
20	QPSK	50	28	25.01	24.93	24.78	25.1
20	QPSK	50	56	23.94	23.83	23.79	24.7
20	QPSK	100	0	23.96	23.88	23.82	
20	16QAM	1	1	24.10	24.02	23.93	24.7
20	64QAM	1	1	22.52	22.51	22.40	23.2
20	256QAM	1	1	20.45	20.38	20.40	21.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	25.04	25.04	24.80	25.1
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	25.06	24.99	24.81	25.1
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	25.09	24.98	24.80	25.1



<FR1 n2_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	20.19	20.20	20.14	20.2
20	PI/2 BPSK	1	53	20.18	20.19	20.12	
20	PI/2 BPSK	1	104	20.06	20.07	20.02	
20	PI/2 BPSK	50	0	20.05	20.11	20.06	20.2
20	PI/2 BPSK	50	28	20.12	20.13	20.12	20.2
20	PI/2 BPSK	50	56	20.05	20.11	20.08	20.2
20	PI/2 BPSK	100	0	20.10	20.12	20.11	
20	QPSK	1	1	20.16	20.15	20.09	20.2
20	QPSK	1	53	20.13	20.13	20.09	
20	QPSK	1	104	20.00	19.93	19.98	
20	QPSK	50	0	20.05	20.02	19.97	20.2
20	QPSK	50	28	20.09	20.04	20.09	20.2
20	QPSK	50	56	20.04	19.97	20.02	20.2
20	QPSK	100	0	20.03	19.93	20.01	
20	16QAM	1	1	20.16	20.14	20.08	20.2
20	64QAM	1	1	20.15	20.15	20.15	20.2
20	256QAM	1	1	20.11	20.08	20.09	20.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	20.13	20.18	20.10	20.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	20.10	20.19	20.05	20.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	20.08	20.14	20.06	20.2



<FR1 n2_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	20.49	20.53	20.44	21.0
20	PI/2 BPSK	1	53	20.48	20.52	20.42	
20	PI/2 BPSK	1	104	20.36	20.37	20.32	
20	PI/2 BPSK	50	0	20.35	20.41	20.36	21.0
20	PI/2 BPSK	50	28	20.42	20.43	20.42	21.0
20	PI/2 BPSK	50	56	20.35	20.41	20.38	21.0
20	PI/2 BPSK	100	0	20.40	20.42	20.41	
20	QPSK	1	1	20.46	20.45	20.39	21.0
20	QPSK	1	53	20.43	20.43	20.39	
20	QPSK	1	104	20.30	20.23	20.28	
20	QPSK	50	0	20.35	20.32	20.27	21.0
20	QPSK	50	28	20.39	20.34	20.39	21.0
20	QPSK	50	56	20.34	20.27	20.32	21.0
20	QPSK	100	0	20.33	20.23	20.31	
20	16QAM	1	1	20.46	20.44	20.38	21.0
20	64QAM	1	1	20.45	20.45	20.45	21.0
20	256QAM	1	1	20.41	20.38	20.39	21.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	20.43	20.48	20.40	21.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	20.40	20.49	20.35	21.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	20.38	20.44	20.36	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				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	19.96	20.03	19.84	20.2
20	PI/2 BPSK	1	53	19.91	19.96	19.83	
20	PI/2 BPSK	1	104	19.81	19.85	19.80	
20	PI/2 BPSK	50	0	19.84	19.82	19.81	20.2
20	PI/2 BPSK	50	28	19.85	19.86	19.83	20.2
20	PI/2 BPSK	50	56	19.84	19.80	19.82	20.2
20	PI/2 BPSK	100	0	19.90	19.91	19.89	
20	QPSK	1	1	19.89	19.95	19.81	20.2
20	QPSK	1	53	19.90	19.85	19.89	
20	QPSK	1	104	19.73	19.66	19.72	
20	QPSK	50	0	19.78	19.76	19.72	20.2
20	QPSK	50	28	19.86	19.77	19.79	20.2
20	QPSK	50	56	19.76	19.71	19.77	20.2
20	QPSK	100	0	19.77	19.71	19.78	
20	16QAM	1	1	19.89	19.87	19.78	20.2
20	64QAM	1	1	19.91	19.91	19.94	20.2
20	256QAM	1	1	19.86	19.80	19.88	20.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	19.85	19.89	19.82	20.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	19.80	19.93	19.76	20.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	19.82	19.86	19.84	20.2



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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				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.25	24.26	24.22	25.7
20	PI/2 BPSK	1	53	24.12	24.22	24.21	
20	PI/2 BPSK	1	104	24.15	24.17	24.07	
20	PI/2 BPSK	50	0	23.65	23.73	23.69	25.2
20	PI/2 BPSK	50	28	24.12	24.20	24.11	25.7
20	PI/2 BPSK	50	56	23.60	23.66	23.66	25.2
20	PI/2 BPSK	100	0	23.68	23.71	23.64	
20	QPSK	1	1	24.15	24.23	24.22	25.7
20	QPSK	1	53	24.22	24.25	24.16	
20	QPSK	1	104	24.06	24.12	24.12	
20	QPSK	50	0	23.14	23.23	23.14	24.7
20	QPSK	50	28	24.14	24.19	24.18	25.7
20	QPSK	50	56	23.13	23.15	23.08	24.7
20	QPSK	100	0	23.13	23.22	23.20	
20	16QAM	1	1	23.36	23.40	23.40	24.7
20	64QAM	1	1	20.83	20.87	20.77	22.2
20	256QAM	1	1	19.85	19.89	19.81	21.2
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.15	24.23	24.16	25.7
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.22	24.21	24.17	25.7
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.22	24.17	24.22	25.7



<FR1 n5_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.25	24.26	24.22	25.5
20	PI/2 BPSK	1	53	24.12	24.22	24.21	
20	PI/2 BPSK	1	104	24.15	24.17	24.07	
20	PI/2 BPSK	50	0	23.65	23.73	23.69	25.2
20	PI/2 BPSK	50	28	24.12	24.20	24.11	25.5
20	PI/2 BPSK	50	56	23.60	23.66	23.66	25.2
20	PI/2 BPSK	100	0	23.68	23.71	23.64	
20	QPSK	1	1	24.15	24.23	24.22	25.5
20	QPSK	1	53	24.22	24.25	24.16	
20	QPSK	1	104	24.06	24.12	24.12	
20	QPSK	50	0	23.14	23.23	23.14	24.7
20	QPSK	50	28	24.14	24.19	24.18	25.5
20	QPSK	50	56	23.13	23.15	23.08	24.7
20	QPSK	100	0	23.13	23.22	23.20	
20	16QAM	1	1	23.36	23.40	23.40	24.7
20	64QAM	1	1	20.83	20.87	20.77	22.3
20	256QAM	1	1	19.85	19.89	19.81	21.2
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.15	24.23	24.16	25.5
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.22	24.21	24.17	25.5
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.22	24.17	24.22	25.5



<FR1 n5_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	20.55	20.56	20.55	22.2
20	PI/2 BPSK	1	53	20.52	20.55	20.48	
20	PI/2 BPSK	1	104	20.52	20.55	20.49	
20	PI/2 BPSK	50	0	20.50	20.56	20.52	22.2
20	PI/2 BPSK	50	28	20.55	20.58	20.48	22.2
20	PI/2 BPSK	50	56	20.56	20.57	20.49	22.2
20	PI/2 BPSK	100	0	20.54	20.59	20.58	
20	QPSK	1	1	20.46	20.48	20.47	22.2
20	QPSK	1	53	20.51	20.54	20.49	
20	QPSK	1	104	20.48	20.52	20.51	
20	QPSK	50	0	20.44	20.53	20.48	22.2
20	QPSK	50	28	20.52	20.54	20.44	22.2
20	QPSK	50	56	20.46	20.51	20.47	22.2
20	QPSK	100	0	20.47	20.49	20.43	
20	16QAM	1	1	20.45	20.50	20.48	22.2
20	64QAM	1	1	20.30	20.39	20.31	21.7
20	256QAM	1	1	19.22	19.32	19.26	20.7
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	20.50	20.49	20.46	22.2
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	20.51	20.48	20.41	22.2
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	20.47	20.55	20.46	22.2



<FR1 n5_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	19.80	19.86	19.76	20.2
20	PI/2 BPSK	1	53	19.81	19.76	19.75	
20	PI/2 BPSK	1	104	19.79	19.77	19.72	
20	PI/2 BPSK	50	0	19.76	19.79	19.72	20.2
20	PI/2 BPSK	50	28	19.83	19.84	19.74	20.2
20	PI/2 BPSK	50	56	19.82	19.83	19.71	20.2
20	PI/2 BPSK	100	0	19.78	19.85	19.84	
20	QPSK	1	1	19.71	19.72	19.67	20.2
20	QPSK	1	53	19.80	19.84	19.72	
20	QPSK	1	104	19.77	19.72	19.71	
20	QPSK	50	0	19.69	19.77	19.77	20.2
20	QPSK	50	28	19.76	19.77	19.71	20.2
20	QPSK	50	56	19.72	19.75	19.73	20.2
20	QPSK	100	0	19.76	19.75	19.69	
20	16QAM	1	1	19.72	19.80	19.68	20.2
20	64QAM	1	1	19.71	19.78	19.77	20.2
20	256QAM	1	1	19.15	19.31	19.25	20.2
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	19.82	19.85	19.78	20.2
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	19.85	19.84	19.82	20.2
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	19.76	19.76	19.82	20.2



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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				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.84	23.83	23.79	25.2
20	PI/2 BPSK	1	53	24.00	23.87	23.94	
20	PI/2 BPSK	1	104	23.83	23.83	23.83	
20	PI/2 BPSK	50	0	23.35	23.33	23.32	24.7
20	PI/2 BPSK	50	28	23.85	23.84	23.85	25.2
20	PI/2 BPSK	50	56	23.34	23.38	23.34	24.7
20	PI/2 BPSK	100	0	23.34	23.35	23.31	
20	QPSK	1	1	23.82	23.81	23.84	25.2
20	QPSK	1	53	23.91	23.92	23.99	
20	QPSK	1	104	23.80	23.84	23.86	
20	QPSK	50	0	22.85	22.83	22.84	24.2
20	QPSK	50	28	23.85	23.84	23.86	25.2
20	QPSK	50	56	22.85	22.88	22.84	24.2
20	QPSK	100	0	22.85	22.84	22.84	
20	16QAM	1	1	23.00	22.59	22.96	24.2
20	64QAM	1	1	20.47	20.40	20.34	21.7
20	256QAM	1	1	19.42	19.35	19.38	20.7
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.88	23.82	23.84	25.2
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.87	23.85	23.85	25.2
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.88	23.86	23.84	25.2



<FR1 n7_Ant 0_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	23.50	23.52	23.50	25.2
50	PI/2 BPSK	1	135	23.25	23.29	23.23	
50	PI/2 BPSK	1	268	23.20	23.30	23.26	
50	PI/2 BPSK	135	0	23.31	23.34	23.34	24.7
50	PI/2 BPSK	135	68	23.34	23.35	23.25	25.2
50	PI/2 BPSK	135	135	23.04	23.09	23.03	24.7
50	PI/2 BPSK	270	0	23.18	23.22	23.12	
50	QPSK	1	1	23.50	23.50	23.47	25.2
50	QPSK	1	135	23.28	23.29	23.29	
50	QPSK	1	268	23.24	23.30	23.22	
50	QPSK	135	0	23.30	23.40	23.34	24.2
50	QPSK	135	68	23.24	23.33	23.30	25.2
50	QPSK	135	135	23.07	23.10	23.09	24.2
50	QPSK	270	0	23.23	23.23	23.18	
50	16QAM	1	1	23.43	23.50	23.41	24.2
50	64QAM	1	1	21.90	22.00	21.92	22.7
50	256QAM	1	1	20.03	20.11	20.05	20.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.40	23.45	23.44	25.2
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.49	23.45	23.45	25.2
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.46	23.42	23.44	25.2
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.43	23.44	23.40	25.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.48	23.42	23.46	25.2
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.50	23.51	23.37	25.2
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.44	23.50	23.40	25.2



<FR1 n7_Ant 0_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	23.7
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	23.50	23.52	23.50	
50	PI/2 BPSK	1	135	23.25	23.29	23.23	23.7
50	PI/2 BPSK	1	268	23.20	23.30	23.26	
50	PI/2 BPSK	135	0	23.31	23.34	23.34	23.7
50	PI/2 BPSK	135	68	23.34	23.35	23.25	23.7
50	PI/2 BPSK	135	135	23.04	23.09	23.03	23.7
50	PI/2 BPSK	270	0	23.18	23.22	23.12	
50	QPSK	1	1	23.50	23.50	23.47	23.7
50	QPSK	1	135	23.28	23.29	23.29	
50	QPSK	1	268	23.24	23.30	23.22	
50	QPSK	135	0	23.30	23.40	23.34	23.7
50	QPSK	135	68	23.24	23.33	23.30	23.7
50	QPSK	135	135	23.07	23.10	23.09	23.7
50	QPSK	270	0	23.23	23.23	23.18	
50	16QAM	1	1	23.43	23.50	23.41	23.7
50	64QAM	1	1	21.90	22.00	21.92	22.7
50	256QAM	1	1	20.03	20.11	20.05	20.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.40	23.45	23.44	23.7
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.49	23.45	23.45	23.7
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.46	23.42	23.44	23.7
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.43	23.44	23.40	23.7
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.48	23.42	23.46	23.7
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.50	23.51	23.37	23.7
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.44	23.50	23.40	23.7



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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				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	21.09	21.11	21.05	21.3
50	PI/2 BPSK	1	135	20.92	21.00	20.90	
50	PI/2 BPSK	1	268	20.85	20.85	20.82	
50	PI/2 BPSK	135	0	20.99	21.00	20.95	21.3
50	PI/2 BPSK	135	68	20.97	21.01	21.00	21.3
50	PI/2 BPSK	135	135	20.77	20.78	20.78	21.3
50	PI/2 BPSK	270	0	20.81	20.89	20.83	
50	QPSK	1	1	21.07	21.08	21.05	21.3
50	QPSK	1	135	20.86	20.93	20.85	
50	QPSK	1	268	20.78	20.80	20.70	
50	QPSK	135	0	20.88	20.90	20.86	21.3
50	QPSK	135	68	20.93	20.93	20.87	21.3
50	QPSK	135	135	20.76	20.77	20.77	21.3
50	QPSK	270	0	20.76	20.86	20.85	
50	16QAM	1	1	20.68	20.78	20.76	21.3
50	64QAM	1	1	20.90	21.00	20.93	21.3
50	256QAM	1	1	20.03	20.11	20.05	20.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	20.99	21.00	21.01	21.3
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	21.01	21.07	20.98	21.3
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	20.97	20.99	20.98	21.3
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	20.97	21.05	21.02	21.3
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	20.99	21.02	20.97	21.3
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.05	20.99	20.97	21.3
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.00	21.01	20.95	21.3



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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				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	23.50	23.60	23.50	23.6
50	PI/2 BPSK	1	135	23.25	23.29	23.23	
50	PI/2 BPSK	1	268	23.20	23.30	23.26	
50	PI/2 BPSK	135	0	23.31	23.34	23.34	23.6
50	PI/2 BPSK	135	68	23.34	23.35	23.25	23.6
50	PI/2 BPSK	135	135	23.04	23.09	23.03	23.6
50	PI/2 BPSK	270	0	23.18	23.22	23.12	
50	QPSK	1	1	23.50	23.50	23.47	23.6
50	QPSK	1	135	23.28	23.29	23.29	
50	QPSK	1	268	23.24	23.30	23.22	
50	QPSK	135	0	23.30	23.40	23.34	23.6
50	QPSK	135	68	23.24	23.33	23.30	23.6
50	QPSK	135	135	23.07	23.10	23.09	23.6
50	QPSK	270	0	23.23	23.23	23.18	
50	16QAM	1	1	23.43	23.50	23.41	23.6
50	64QAM	1	1	21.90	22.00	21.92	22.7
50	256QAM	1	1	20.03	20.11	20.05	20.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.40	23.45	23.44	23.6
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.49	23.45	23.45	23.6
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.46	23.42	23.44	23.6
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.43	23.44	23.40	23.6
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.48	23.42	23.46	23.6
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.50	23.51	23.37	23.6
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.44	23.50	23.40	23.6



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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				505000	507000	509000	21.7
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	21.00	21.02	20.94	
50	PI/2 BPSK	1	135	20.72	20.78	20.68	21.7
50	PI/2 BPSK	1	268	20.70	20.77	20.71	
50	PI/2 BPSK	135	0	20.78	20.76	20.77	21.7
50	PI/2 BPSK	135	68	20.79	20.80	20.78	21.7
50	PI/2 BPSK	135	135	20.53	20.53	20.53	21.7
50	PI/2 BPSK	270	0	20.67	20.72	20.53	
50	QPSK	1	1	20.95	20.92	20.91	21.7
50	QPSK	1	135	20.68	20.72	20.77	
50	QPSK	1	268	20.65	20.73	20.71	
50	QPSK	135	0	20.79	20.87	20.74	21.7
50	QPSK	135	68	20.65	20.74	20.76	21.7
50	QPSK	135	135	20.49	20.54	20.52	21.7
50	QPSK	270	0	20.64	20.65	20.67	
50	16QAM	1	1	20.90	20.96	20.83	21.7
50	64QAM	1	1	20.89	20.98	20.92	21.7
50	256QAM	1	1	19.95	20.08	19.98	20.7
Channel				504000	507000	510000	21.7
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	20.92	20.98	20.90	21.7
Channel				503000	507000	511000	21.7
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	20.94	20.92	20.97	21.7
Channel				502500	507000	511500	21.7
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	20.94	20.94	21.00	21.7
Channel				502000	507000	512000	21.7
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	20.93	20.92	20.94	21.7
Channel				501500	507000	512500	21.7
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	20.91	21.01	20.93	21.7
Channel				501000	507000	513000	21.7
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.00	20.97	20.97	21.7
Channel				500500	507000	513500	21.7
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	20.94	20.92	21.00	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				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	24.12	24.15	24.14	25.7
50	PI/2 BPSK	1	135	23.90	23.95	23.88	
50	PI/2 BPSK	1	268	23.80	23.87	23.81	
50	PI/2 BPSK	135	0	24.01	24.01	23.94	25.2
50	PI/2 BPSK	135	68	24.01	24.02	23.99	25.7
50	PI/2 BPSK	135	135	23.81	23.82	23.82	25.2
50	PI/2 BPSK	270	0	23.83	23.91	23.83	
50	QPSK	1	1	24.06	24.11	24.10	25.7
50	QPSK	1	135	23.86	23.96	23.94	
50	QPSK	1	268	23.80	23.87	23.80	
50	QPSK	135	0	23.99	24.00	23.98	24.7
50	QPSK	135	68	23.89	23.90	23.82	25.7
50	QPSK	135	135	23.83	23.83	23.73	24.7
50	QPSK	270	0	23.91	23.91	23.84	
50	16QAM	1	1	24.04	24.10	24.04	24.7
50	64QAM	1	1	22.53	22.62	22.53	23.2
50	256QAM	1	1	20.81	20.85	20.79	21.2
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	24.04	24.09	24.13	25.7
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	24.04	24.06	24.05	25.7
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	24.02	24.07	24.11	25.7
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	24.03	24.06	24.05	25.7
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	24.04	24.07	24.13	25.7
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	24.02	24.14	24.04	25.7
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	24.04	24.12	24.12	25.7



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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				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	23.59	23.65	23.55	24.0
50	PI/2 BPSK	1	135	23.33	23.39	23.32	
50	PI/2 BPSK	1	268	23.29	23.29	23.28	
50	PI/2 BPSK	135	0	23.43	23.45	23.44	24.0
50	PI/2 BPSK	135	68	23.48	23.51	23.46	24.0
50	PI/2 BPSK	135	135	23.27	23.28	23.32	24.0
50	PI/2 BPSK	270	0	23.27	23.31	23.30	
50	QPSK	1	1	23.47	23.61	23.59	24.0
50	QPSK	1	135	23.30	23.45	23.39	
50	QPSK	1	268	23.30	23.33	23.27	
50	QPSK	135	0	23.44	23.49	23.41	24.0
50	QPSK	135	68	23.33	23.34	23.30	24.0
50	QPSK	135	135	23.30	23.25	23.22	24.0
50	QPSK	270	0	23.34	23.33	23.34	
50	16QAM	1	1	23.44	23.50	23.51	24.0
50	64QAM	1	1	22.50	22.55	22.46	23.2
50	256QAM	1	1	20.75	20.76	20.75	21.2
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.55	23.62	23.60	24.0
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.62	23.60	23.56	24.0
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.61	23.55	23.56	24.0
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.60	23.57	23.55	24.0
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.52	23.64	23.54	24.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.56	23.61	23.58	24.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.62	23.60	23.60	24.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	20.0
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	19.96	20.00	19.99	
50	PI/2 BPSK	1	135	19.82	19.93	19.90	20.0
50	PI/2 BPSK	1	268	19.93	19.93	19.85	
50	PI/2 BPSK	135	0	19.73	19.77	19.70	20.0
50	PI/2 BPSK	135	68	19.79	19.84	19.76	20.0
50	PI/2 BPSK	135	135	19.59	19.67	19.62	20.0
50	PI/2 BPSK	270	0	19.67	19.82	19.69	
50	QPSK	1	1	19.95	19.98	19.96	20.0
50	QPSK	1	135	19.87	19.89	19.85	
50	QPSK	1	268	19.83	19.90	19.87	
50	QPSK	135	0	19.67	19.76	19.59	20.0
50	QPSK	135	68	19.70	19.72	19.64	20.0
50	QPSK	135	135	19.63	19.70	19.65	20.0
50	QPSK	270	0	19.71	19.80	19.73	
50	16QAM	1	1	19.94	19.97	19.95	20.0
50	64QAM	1	1	19.97	19.96	19.97	20.0
50	256QAM	1	1	19.74	19.86	19.77	20.0
Channel				504000	507000	510000	20.0
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	19.94	19.98	19.82	20.0
Channel				503000	507000	511000	20.0
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	19.98	19.99	19.94	20.0
Channel				502500	507000	511500	20.0
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	19.92	19.97	19.88	20.0
Channel				502000	507000	512000	20.0
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	19.93	19.92	19.86	20.0
Channel				501500	507000	512500	20.0
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	19.88	19.98	19.91	20.0
Channel				501000	507000	513000	20.0
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	19.29	19.92	19.84	20.0
Channel				500500	507000	513500	20.0
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	20.00	19.95	19.83	20.0



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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				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	23.33	23.34	23.27	23.9
50	PI/2 BPSK	1	135	23.14	23.17	23.08	
50	PI/2 BPSK	1	268	23.11	23.18	23.16	
50	PI/2 BPSK	135	0	23.13	23.20	23.11	23.9
50	PI/2 BPSK	135	68	23.04	23.12	23.03	23.9
50	PI/2 BPSK	135	135	23.05	23.15	23.10	23.9
50	PI/2 BPSK	270	0	23.14	23.14	23.09	
50	QPSK	1	1	23.28	23.32	23.32	23.9
50	QPSK	1	135	23.11	23.17	23.15	
50	QPSK	1	268	23.05	23.15	23.08	
50	QPSK	135	0	23.13	23.23	23.21	23.9
50	QPSK	135	68	23.14	23.14	23.09	23.9
50	QPSK	135	135	23.05	23.06	22.99	23.9
50	QPSK	270	0	22.98	23.05	22.97	
50	16QAM	1	1	23.26	23.32	23.28	23.9
50	64QAM	1	1	22.69	22.77	22.70	23.2
50	256QAM	1	1	20.80	20.89	20.80	21.2
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.23	23.24	23.29	23.9
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.26	23.31	23.28	23.9
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.24	23.25	23.27	23.9
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.25	23.30	23.26	23.9
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.23	23.25	23.31	23.9
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.22	23.27	23.22	23.9
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.24	23.22	23.28	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				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	22.76	22.79	22.76	23.0
50	PI/2 BPSK	1	135	22.56	22.60	22.52	
50	PI/2 BPSK	1	268	22.55	22.61	22.63	
50	PI/2 BPSK	135	0	22.55	22.60	22.51	23.0
50	PI/2 BPSK	135	68	22.47	22.64	22.48	23.0
50	PI/2 BPSK	135	135	22.49	22.63	22.58	23.0
50	PI/2 BPSK	270	0	22.54	22.54	22.53	
50	QPSK	1	1	22.76	22.74	22.78	23.0
50	QPSK	1	135	22.55	22.63	22.65	
50	QPSK	1	268	22.46	22.61	22.52	
50	QPSK	135	0	22.56	22.63	22.64	23.0
50	QPSK	135	68	22.55	22.56	22.49	23.0
50	QPSK	135	135	22.46	22.55	22.45	23.0
50	QPSK	270	0	22.42	22.51	22.39	
50	16QAM	1	1	22.72	22.73	22.72	23.0
50	64QAM	1	1	22.59	22.72	22.61	23.0
50	256QAM	1	1	20.77	20.83	20.73	21.2
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	22.73	22.68	22.75	23.0
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	22.68	22.77	22.73	23.0
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	22.69	22.74	22.76	23.0
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	22.75	22.70	22.76	23.0
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.75	22.76	22.75	23.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.64	22.70	22.78	23.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.74	22.71	22.78	23.0



<FR1 n48_Ant 2_Index 2>							Tune-up Limit		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	13.73	20.37	13.66	14.00	20.50	14.00
40	PI/2 BPSK	1	104	13.45	20.08	13.47	13.50	20.50	13.50
40	PI/2 BPSK	50	25	13.52	24.23	13.60	14.00	25.70	14.00
40	PI/2 BPSK	1	0	13.77	20.41	13.72	14.00	20.50	14.00
40	PI/2 BPSK	1	105	13.49	20.08	13.46	13.50	20.50	13.50
40	PI/2 BPSK	100	0	13.51	19.73	13.62	14.00	20.00	14.00
40	QPSK	1	1	10.27	20.41	10.20	10.50	20.50	10.50
40	QPSK	1	104	9.94	20.10	10.04	10.00	20.50	10.50
40	QPSK	50	25	10.03	24.26	10.14	10.50	25.70	10.50
40	QPSK	1	0	10.23	20.38	10.18	10.50	20.50	10.50
40	QPSK	1	105	9.92	20.08	10.02	10.00	20.50	10.50
40	QPSK	100	0	10.04	19.75	10.15	10.50	20.00	10.50
40	16QAM	1	1	10.33	20.39	10.11	10.50	20.50	10.50
40	64QAM	1	1	10.25	20.48	10.01	10.50	20.50	10.50
40	256QAM	1	1	10.22	19.86	10.07	10.50	21.20	10.50
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	20.18	24.30	24.06	20.50	25.70	25.70
20	PI/2 BPSK	1	49	23.92	24.13	20.00	25.70	25.70	20.00
20	PI/2 BPSK	25	12	24.07	24.14	24.07	25.70	25.70	25.70
20	PI/2 BPSK	1	0	20.19	23.82	23.61	20.50	25.20	25.20
20	PI/2 BPSK	1	50	23.44	23.61	20.00	25.20	25.20	20.00
20	PI/2 BPSK	50	0	20.13	23.63	20.12	20.50	25.20	20.50
20	QPSK	1	1	20.14	24.26	24.13	20.50	25.70	25.70
20	QPSK	1	49	23.95	24.09	19.98	25.70	25.70	20.00
20	QPSK	25	12	24.18	24.15	24.08	25.70	25.70	25.70
20	QPSK	1	0	20.17	23.28	23.57	20.50	24.70	24.70
20	QPSK	1	50	22.92	23.15	19.97	24.70	24.70	20.00
20	QPSK	50	0	20.11	23.11	20.09	20.50	24.70	20.50
20	16QAM	1	1	19.14	23.45	23.17	19.50	24.70	24.70
20	64QAM	1	1	19.22	21.88	21.82	19.50	23.20	23.20
20	256QAM	1	1	19.79	19.76	19.70	21.20	21.20	21.20
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	20.09	24.33	24.18	20.50	25.70	25.70
15	PI/2 BPSK	1	36	23.96	24.15	20.06	25.70	25.70	20.50
15	PI/2 BPSK	18	9	24.15	24.13	24.12	25.70	25.70	25.70
15	PI/2 BPSK	1	0	20.14	23.79	23.71	20.50	25.20	25.20
15	PI/2 BPSK	1	37	23.42	23.60	20.06	25.20	25.20	20.50
15	PI/2 BPSK	36	0	20.16	23.63	20.17	20.50	25.20	20.50
15	QPSK	1	1	20.11	24.28	24.16	20.50	25.70	25.70
15	QPSK	1	36	23.94	24.06	20.04	25.70	25.70	20.50
15	QPSK	18	9	24.12	24.14	24.16	25.70	25.70	25.70
15	QPSK	1	0	20.08	23.28	23.12	20.50	24.70	24.70
15	QPSK	1	37	22.91	23.04	20.03	24.70	24.70	20.50
15	QPSK	36	0	20.15	23.12	20.14	20.50	24.70	20.50
15	16QAM	1	1	19.24	23.29	23.07	19.50	24.70	24.70
15	64QAM	1	1	19.17	21.92	21.87	19.50	23.20	23.20
15	256QAM	1	1	19.52	19.89	19.71	21.20	21.20	21.20
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	24.03	24.34	24.31	25.70	25.70	25.70
10	PI/2 BPSK	1	22	24.06	24.10	24.16	25.70	25.70	25.70
10	PI/2 BPSK	12	6	24.08	24.15	24.26	25.70	25.70	25.70
10	PI/2 BPSK	1	0	23.56	23.79	23.80	25.20	25.20	25.20
10	PI/2 BPSK	1	23	23.60	23.62	23.66	25.20	25.20	25.20
10	PI/2 BPSK	24	0	23.60	23.63	23.72	25.20	25.20	25.20
10	QPSK	1	1	24.08	24.26	24.27	25.70	25.70	25.70
10	QPSK	1	22	24.07	24.16	24.16	25.70	25.70	25.70
10	QPSK	12	6	24.15	24.22	24.26	25.70	25.70	25.70
10	QPSK	1	0	23.07	23.34	23.20	24.70	24.70	24.70
10	QPSK	1	23	23.04	23.18	23.15	24.70	24.70	24.70
10	QPSK	24	0	23.14	23.13	23.25	24.70	24.70	24.70
10	16QAM	1	1	23.20	23.44	23.25	24.70	24.70	24.70
10	64QAM	1	1	21.61	21.81	21.91	23.20	23.20	23.20
10	256QAM	1	1	19.62	19.69	19.66	21.20	21.20	21.20



FCC SAR TEST REPORT

Report No. : FA380306C

<FR1 n48_Ant 2_Index 3>							Tune-up Limit		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	13.73	20.37	13.66	14.00	20.50	14.00
40	PI/2 BPSK	1	104	13.45	20.08	13.47	13.50	20.50	13.50
40	PI/2 BPSK	50	25	13.52	24.23	13.60	14.00	25.00	14.00
40	PI/2 BPSK	1	0	13.77	20.41	13.72	14.00	20.50	14.00
40	PI/2 BPSK	1	105	13.49	20.08	13.46	13.50	20.50	13.50
40	PI/2 BPSK	100	0	13.51	19.73	13.62	14.00	20.00	14.00
40	QPSK	1	1	10.27	20.41	10.20	10.50	20.50	10.50
40	QPSK	1	104	9.94	20.10	10.04	10.00	20.50	10.50
40	QPSK	50	25	10.03	24.26	10.14	10.50	25.00	10.50
40	QPSK	1	0	10.23	20.38	10.18	10.50	20.50	10.50
40	QPSK	1	105	9.92	20.08	10.02	10.00	20.50	10.50
40	QPSK	100	0	10.04	19.75	10.15	10.50	20.00	10.50
40	16QAM	1	1	10.33	20.39	10.11	10.50	20.50	10.50
40	64QAM	1	1	10.25	20.48	10.01	10.50	20.50	10.50
40	256QAM	1	1	10.22	19.86	10.07	10.50	21.20	10.50
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	20.18	24.30	24.06	20.50	25.00	25.00
20	PI/2 BPSK	1	49	23.92	24.13	20.00	25.00	25.00	20.00
20	PI/2 BPSK	25	12	24.07	24.14	24.07	25.00	25.00	25.00
20	PI/2 BPSK	1	0	20.19	23.82	23.61	20.50	25.00	25.00
20	PI/2 BPSK	1	50	23.44	23.61	20.00	25.00	25.00	20.00
20	PI/2 BPSK	50	0	20.13	23.63	20.12	20.50	25.00	20.50
20	QPSK	1	1	20.14	24.26	24.13	20.50	25.00	25.00
20	QPSK	1	49	23.95	24.09	19.98	25.00	25.00	20.00
20	QPSK	25	12	24.18	24.15	24.08	25.00	25.00	25.00
20	QPSK	1	0	20.17	23.28	23.57	20.50	24.70	24.70
20	QPSK	1	50	22.92	23.15	19.97	24.70	24.70	20.00
20	QPSK	50	0	20.11	23.11	20.09	20.50	24.70	20.50
20	16QAM	1	1	19.14	23.45	23.17	19.50	24.70	24.70
20	64QAM	1	1	19.22	21.88	21.82	19.50	23.20	23.20
20	256QAM	1	1	19.79	19.76	19.70	21.20	21.20	21.20
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	20.09	24.33	24.18	20.50	25.00	25.00
15	PI/2 BPSK	1	36	23.96	24.15	20.06	25.00	25.00	20.50
15	PI/2 BPSK	18	9	24.15	24.13	24.12	25.00	25.00	25.00
15	PI/2 BPSK	1	0	20.14	23.79	23.71	20.50	25.00	25.00
15	PI/2 BPSK	1	37	23.42	23.60	20.06	25.00	25.00	20.50
15	PI/2 BPSK	36	0	20.16	23.63	20.17	20.50	25.00	20.50
15	QPSK	1	1	20.11	24.28	24.16	20.50	25.00	25.00
15	QPSK	1	36	23.94	24.06	20.04	25.00	25.00	20.50
15	QPSK	18	9	24.12	24.14	24.16	25.00	25.00	25.00
15	QPSK	1	0	20.08	23.28	23.12	20.50	24.70	24.70
15	QPSK	1	37	22.91	23.04	20.03	24.70	24.70	20.50
15	QPSK	36	0	20.15	23.12	20.14	20.50	24.70	20.50
15	16QAM	1	1	19.24	23.29	23.07	19.50	24.70	24.70
15	64QAM	1	1	19.17	21.92	21.87	19.50	23.20	23.20
15	256QAM	1	1	19.52	19.89	19.71	21.20	21.20	21.20
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	24.03	24.34	24.31	25.00	25.00	25.00
10	PI/2 BPSK	1	22	24.06	24.10	24.16	25.00	25.00	25.00
10	PI/2 BPSK	12	6	24.08	24.15	24.26	25.00	25.00	25.00
10	PI/2 BPSK	1	0	23.56	23.79	23.80	25.00	25.00	25.00
10	PI/2 BPSK	1	23	23.60	23.62	23.66	25.00	25.00	25.00
10	PI/2 BPSK	24	0	23.60	23.63	23.72	25.00	25.00	25.00
10	QPSK	1	1	24.08	24.26	24.27	25.00	25.00	25.00
10	QPSK	1	22	24.07	24.16	24.16	25.00	25.00	25.00
10	QPSK	12	6	24.15	24.22	24.26	25.00	25.00	25.00
10	QPSK	1	0	23.07	23.34	23.20	24.70	24.70	24.70
10	QPSK	1	23	23.04	23.18	23.15	24.70	24.70	24.70
10	QPSK	24	0	23.14	23.13	23.25	24.70	24.70	24.70
10	16QAM	1	1	23.20	23.44	23.25	24.70	24.70	24.70
10	64QAM	1	1	21.61	21.81	21.91	23.20	23.20	23.20
10	256QAM	1	1	19.62	19.69	19.66	21.20	21.20	21.20



<FR1 n48_Ant 2_Index 4>							Tune-up Limit		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	13.73	20.37	13.66	14.00	20.50	14.00
40	PI/2 BPSK	1	104	13.45	20.08	13.47	13.50	20.50	13.50
40	PI/2 BPSK	50	25	13.52	20.89	13.60	14.00	20.90	14.00
40	PI/2 BPSK	1	0	13.77	20.41	13.72	14.00	20.50	14.00
40	PI/2 BPSK	1	105	13.49	20.08	13.46	13.50	20.50	13.50
40	PI/2 BPSK	100	0	13.51	19.73	13.62	14.00	20.00	14.00
40	QPSK	1	1	10.27	20.41	10.20	10.50	20.50	10.50
40	QPSK	1	104	9.94	20.10	10.04	10.00	20.50	10.50
40	QPSK	50	25	10.03	20.88	10.14	10.50	20.90	10.50
40	QPSK	1	0	10.23	20.38	10.18	10.50	20.50	10.50
40	QPSK	1	105	9.92	20.08	10.02	10.00	20.50	10.50
40	QPSK	100	0	10.04	19.75	10.15	10.50	20.00	10.50
40	16QAM	1	1	10.33	20.39	10.11	10.50	20.50	10.50
40	64QAM	1	1	10.25	20.48	10.01	10.50	20.50	10.50
40	256QAM	1	1	10.22	19.86	10.07	10.50	20.90	10.50
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	20.18	20.89	20.90	20.50	20.90	20.90
20	PI/2 BPSK	1	49	20.86	20.77	20.00	20.90	20.90	20.00
20	PI/2 BPSK	25	12	20.77	20.79	20.78	20.90	20.90	20.90
20	PI/2 BPSK	1	0	20.19	20.89	20.87	20.50	20.90	20.90
20	PI/2 BPSK	1	50	20.76	20.87	20.00	20.90	20.90	20.00
20	PI/2 BPSK	50	0	20.13	20.77	20.12	20.50	20.90	20.50
20	QPSK	1	1	20.14	20.88	20.89	20.50	20.90	20.90
20	QPSK	1	49	20.78	20.88	19.98	20.90	20.90	20.00
20	QPSK	25	12	20.90	20.86	20.86	20.90	20.90	20.90
20	QPSK	1	0	20.17	20.88	20.90	20.50	20.90	20.90
20	QPSK	1	50	20.77	20.78	19.97	20.90	20.90	20.00
20	QPSK	50	0	20.11	20.79	20.09	20.50	20.90	20.50
20	16QAM	1	1	19.14	20.86	20.88	19.50	20.90	20.90
20	64QAM	1	1	19.22	20.90	20.88	19.50	20.90	20.90
20	256QAM	1	1	19.79	19.76	19.70	20.90	20.90	20.90
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	20.09	20.76	20.80	20.50	20.90	20.90
15	PI/2 BPSK	1	36	20.86	20.77	20.06	20.90	20.90	20.50
15	PI/2 BPSK	18	9	20.83	20.77	20.86	20.90	20.90	20.90
15	PI/2 BPSK	1	0	20.14	20.80	20.81	20.50	20.90	20.90
15	PI/2 BPSK	1	37	20.83	20.81	20.06	20.90	20.90	20.50
15	PI/2 BPSK	36	0	20.16	20.83	20.17	20.50	20.90	20.50
15	QPSK	1	1	20.11	20.83	20.81	20.50	20.90	20.90
15	QPSK	1	36	20.88	20.78	20.04	20.90	20.90	20.50
15	QPSK	18	9	20.84	20.81	20.80	20.90	20.90	20.90
15	QPSK	1	0	20.08	20.88	20.79	20.50	20.90	20.90
15	QPSK	1	37	20.79	20.83	20.03	20.90	20.90	20.50
15	QPSK	36	0	20.15	20.90	20.14	20.50	20.90	20.50
15	16QAM	1	1	19.24	20.83	20.83	19.50	20.90	20.90
15	64QAM	1	1	19.17	20.88	20.79	19.50	20.90	20.90
15	256QAM	1	1	19.52	19.89	19.71	20.90	20.90	20.90
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	20.89	20.77	20.79	20.90	20.90	20.90
10	PI/2 BPSK	1	22	20.85	20.82	20.82	20.90	20.90	20.90
10	PI/2 BPSK	12	6	20.89	20.90	20.89	20.90	20.90	20.90
10	PI/2 BPSK	1	0	20.85	20.80	20.89	20.90	20.90	20.90
10	PI/2 BPSK	1	23	20.87	20.87	20.86	20.90	20.90	20.90
10	PI/2 BPSK	24	0	20.87	20.90	20.89	20.90	20.90	20.90
10	QPSK	1	1	20.80	20.78	20.78	20.90	20.90	20.90
10	QPSK	1	22	20.86	20.86	20.78	20.90	20.90	20.90
10	QPSK	12	6	20.84	20.81	20.83	20.90	20.90	20.90
10	QPSK	1	0	20.84	20.86	20.82	20.90	20.90	20.90
10	QPSK	1	23	20.88	20.83	20.83	20.90	20.90	20.90
10	QPSK	24	0	20.76	20.79	20.79	20.90	20.90	20.90
10	16QAM	1	1	20.76	20.76	20.80	20.90	20.90	20.90
10	64QAM	1	1	20.80	20.85	20.89	20.90	20.90	20.90
10	256QAM	1	1	19.62	19.69	19.66	20.90	20.90	20.90



<FR1 n48_Ant 2_Index 5>							Tune-up Limit		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	13.73	20.37	13.66	14.00	20.50	14.00
40	PI/2 BPSK	1	104	13.45	20.08	13.47	13.50	20.50	13.50
40	PI/2 BPSK	50	25	13.52	24.23	13.60	14.00	25.40	14.00
40	PI/2 BPSK	1	0	13.77	20.41	13.72	14.00	20.50	14.00
40	PI/2 BPSK	1	105	13.49	20.08	13.46	13.50	20.50	13.50
40	PI/2 BPSK	100	0	13.51	19.73	13.62	14.00	20.00	14.00
40	QPSK	1	1	10.27	20.41	10.20	10.50	20.50	10.50
40	QPSK	1	104	9.94	20.10	10.04	10.00	20.50	10.50
40	QPSK	50	25	10.03	24.26	10.14	10.50	25.40	10.50
40	QPSK	1	0	10.23	20.38	10.18	10.50	20.50	10.50
40	QPSK	1	105	9.92	20.08	10.02	10.00	20.50	10.50
40	QPSK	100	0	10.04	19.75	10.15	10.50	20.00	10.50
40	16QAM	1	1	10.33	20.39	10.11	10.50	20.50	10.50
40	64QAM	1	1	10.25	20.48	10.01	10.50	20.50	10.50
40	256QAM	1	1	10.22	19.86	10.07	10.50	21.20	10.50
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	20.18	24.30	24.06	20.50	25.40	25.40
20	PI/2 BPSK	1	49	23.92	24.13	20.00	25.40	25.40	20.00
20	PI/2 BPSK	25	12	24.07	24.14	24.07	25.40	25.40	25.40
20	PI/2 BPSK	1	0	20.19	23.82	23.61	20.50	25.20	25.20
20	PI/2 BPSK	1	50	23.44	23.61	20.00	25.20	25.20	20.00
20	PI/2 BPSK	50	0	20.13	23.63	20.12	20.50	25.20	20.50
20	QPSK	1	1	20.14	24.26	24.13	20.50	25.40	25.40
20	QPSK	1	49	23.95	24.09	19.98	25.40	25.40	20.00
20	QPSK	25	12	24.18	24.15	24.08	25.40	25.40	25.40
20	QPSK	1	0	20.17	23.28	23.57	20.50	24.70	24.70
20	QPSK	1	50	22.92	23.15	19.97	24.70	24.70	20.00
20	QPSK	50	0	20.11	23.11	20.09	20.50	24.70	20.50
20	16QAM	1	1	19.14	23.45	23.17	19.50	24.70	24.70
20	64QAM	1	1	19.22	21.88	21.82	19.50	23.20	23.20
20	256QAM	1	1	19.79	19.76	19.70	21.20	21.20	21.20
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	20.09	24.33	24.18	20.50	25.40	25.40
15	PI/2 BPSK	1	36	23.96	24.15	20.06	25.40	25.40	20.50
15	PI/2 BPSK	18	9	24.15	24.13	24.12	25.40	25.40	25.40
15	PI/2 BPSK	1	0	20.14	23.79	23.71	20.50	25.20	25.20
15	PI/2 BPSK	1	37	23.42	23.60	20.06	25.20	25.20	20.50
15	PI/2 BPSK	36	0	20.16	23.63	20.17	20.50	25.20	20.50
15	QPSK	1	1	20.11	24.28	24.16	20.50	25.40	25.40
15	QPSK	1	36	23.94	24.06	20.04	25.40	25.40	20.50
15	QPSK	18	9	24.12	24.14	24.16	25.40	25.40	25.40
15	QPSK	1	0	20.08	23.28	23.12	20.50	24.70	24.70
15	QPSK	1	37	22.91	23.04	20.03	24.70	24.70	20.50
15	QPSK	36	0	20.15	23.12	20.14	20.50	24.70	20.50
15	16QAM	1	1	19.24	23.29	23.07	19.50	24.70	24.70
15	64QAM	1	1	19.17	21.92	21.87	19.50	23.20	23.20
15	256QAM	1	1	19.52	19.89	19.71	21.20	21.20	21.20
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	24.03	24.34	24.31	25.40	25.40	25.40
10	PI/2 BPSK	1	22	24.06	24.10	24.16	25.40	25.40	25.40
10	PI/2 BPSK	12	6	24.08	24.15	24.26	25.40	25.40	25.40
10	PI/2 BPSK	1	0	23.56	23.79	23.80	25.20	25.20	25.20
10	PI/2 BPSK	1	23	23.60	23.62	23.66	25.20	25.20	25.20
10	PI/2 BPSK	24	0	23.60	23.63	23.72	25.20	25.20	25.20
10	QPSK	1	1	24.08	24.26	24.27	25.40	25.40	25.40
10	QPSK	1	22	24.07	24.16	24.16	25.40	25.40	25.40
10	QPSK	12	6	24.15	24.22	24.26	25.40	25.40	25.40
10	QPSK	1	0	23.07	23.34	23.20	24.70	24.70	24.70
10	QPSK	1	23	23.04	23.18	23.15	24.70	24.70	24.70
10	QPSK	24	0	23.14	23.13	23.25	24.70	24.70	24.70
10	16QAM	1	1	23.20	23.44	23.25	24.70	24.70	24.70
10	64QAM	1	1	21.61	21.81	21.91	23.20	23.20	23.20
10	256QAM	1	1	19.62	19.69	19.66	21.20	21.20	21.20



<FR1 n48_Ant 2_Index 6>							Tune-up Limit		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	13.73	20.37	13.66	14.00	20.50	14.00
40	PI/2 BPSK	1	104	13.45	20.08	13.47	13.50	20.50	13.50
40	PI/2 BPSK	50	25	13.52	23.13	13.60	14.00	23.90	14.00
40	PI/2 BPSK	1	0	13.77	20.41	13.72	14.00	20.50	14.00
40	PI/2 BPSK	1	105	13.49	20.08	13.46	13.50	20.50	13.50
40	PI/2 BPSK	100	0	13.51	19.73	13.62	14.00	20.00	14.00
40	QPSK	1	1	10.27	20.41	10.20	10.50	20.50	10.50
40	QPSK	1	104	9.94	20.10	10.04	10.00	20.50	10.50
40	QPSK	50	25	10.03	23.10	10.14	10.50	23.90	10.50
40	QPSK	1	0	10.23	20.38	10.18	10.50	20.50	10.50
40	QPSK	1	105	9.92	20.08	10.02	10.00	20.50	10.50
40	QPSK	100	0	10.04	19.75	10.15	10.50	20.00	10.50
40	16QAM	1	1	10.33	20.39	10.11	10.50	20.50	10.50
40	64QAM	1	1	10.25	20.48	10.01	10.50	20.50	10.50
40	256QAM	1	1	10.22	19.86	10.07	10.50	21.20	10.50
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	20.18	23.15	23.03	20.50	23.90	23.90
20	PI/2 BPSK	1	49	22.87	23.04	20.00	23.90	23.90	20.00
20	PI/2 BPSK	25	12	23.07	23.07	22.97	23.90	23.90	23.90
20	PI/2 BPSK	1	0	20.19	23.02	23.01	20.50	23.90	23.90
20	PI/2 BPSK	1	50	23.04	23.01	20.00	23.90	23.90	20.00
20	PI/2 BPSK	50	0	20.13	23.03	20.12	20.50	23.90	20.50
20	QPSK	1	1	20.14	23.00	23.08	20.50	23.90	23.90
20	QPSK	1	49	22.91	23.07	19.98	23.90	23.90	20.00
20	QPSK	25	12	23.14	23.07	23.05	23.90	23.90	23.90
20	QPSK	1	0	20.17	22.98	23.07	20.50	23.90	23.90
20	QPSK	1	50	22.92	22.96	19.97	23.90	23.90	20.00
20	QPSK	50	0	20.11	23.11	20.09	20.50	23.90	20.50
20	16QAM	1	1	19.14	23.05	23.00	19.50	23.90	23.90
20	64QAM	1	1	19.22	21.88	21.82	19.50	23.20	23.20
20	256QAM	1	1	19.79	19.76	19.70	21.20	21.20	21.20
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	20.09	23.00	23.13	20.50	23.90	23.90
15	PI/2 BPSK	1	36	22.95	23.09	20.06	23.90	23.90	20.50
15	PI/2 BPSK	18	9	23.09	23.13	23.05	23.90	23.90	23.90
15	PI/2 BPSK	1	0	20.14	22.99	23.01	20.50	23.90	23.90
15	PI/2 BPSK	1	37	23.00	22.80	20.06	23.90	23.90	20.50
15	PI/2 BPSK	36	0	20.16	22.83	20.17	20.50	23.90	20.50
15	QPSK	1	1	20.11	22.94	23.10	20.50	23.90	23.90
15	QPSK	1	36	22.86	23.01	20.04	23.90	23.90	20.50
15	QPSK	18	9	23.11	23.13	23.13	23.90	23.90	23.90
15	QPSK	1	0	20.08	22.99	23.12	20.50	23.90	23.90
15	QPSK	1	37	22.91	23.04	20.03	23.90	23.90	20.50
15	QPSK	36	0	20.15	23.12	20.14	20.50	23.90	20.50
15	16QAM	1	1	19.24	23.00	23.07	19.50	23.90	23.90
15	64QAM	1	1	19.17	21.92	21.87	19.50	23.20	23.20
15	256QAM	1	1	19.52	19.89	19.71	21.20	21.20	21.20
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	22.94	22.95	22.96	23.90	23.90	23.90
10	PI/2 BPSK	1	22	23.06	23.00	23.13	23.90	23.90	23.90
10	PI/2 BPSK	12	6	23.08	23.12	23.01	23.90	23.90	23.90
10	PI/2 BPSK	1	0	22.76	22.99	23.00	23.90	23.90	23.90
10	PI/2 BPSK	1	23	22.80	22.82	22.86	23.90	23.90	23.90
10	PI/2 BPSK	24	0	22.80	22.83	22.92	23.90	23.90	23.90
10	QPSK	1	1	23.06	22.98	22.95	23.90	23.90	23.90
10	QPSK	1	22	22.97	22.98	23.06	23.90	23.90	23.90
10	QPSK	12	6	23.11	22.99	22.94	23.90	23.90	23.90
10	QPSK	1	0	23.07	23.04	22.90	23.90	23.90	23.90
10	QPSK	1	23	23.04	22.88	22.85	23.90	23.90	23.90
10	QPSK	24	0	22.84	22.83	22.95	23.90	23.90	23.90
10	16QAM	1	1	22.90	23.04	22.95	23.90	23.90	23.90
10	64QAM	1	1	21.61	21.81	21.91	23.20	23.20	23.20
10	256QAM	1	1	19.62	19.69	19.66	21.20	21.20	21.20



<FR1 n48_Ant 6_Index 2>							Tune-up Limit		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	13.84	20.49	14.09	14.00	20.50	14.50
40	PI/2 BPSK	1	104	13.40	19.96	13.80	13.50	20.00	14.00
40	PI/2 BPSK	50	25	13.72	24.42	14.12	14.00	25.20	14.50
40	PI/2 BPSK	1	0	13.82	20.45	14.04	14.00	20.50	14.50
40	PI/2 BPSK	1	105	13.41	19.91	13.82	13.50	20.00	14.00
40	PI/2 BPSK	100	0	13.66	19.91	14.00	14.00	20.00	14.00
40	QPSK	1	1	10.36	20.48	10.52	10.50	20.50	11.00
40	QPSK	1	104	9.88	19.90	10.25	10.00	20.00	10.50
40	QPSK	50	25	10.21	24.42	10.56	10.50	25.20	11.00
40	QPSK	1	0	10.42	20.55	10.54	10.50	21.00	11.00
40	QPSK	1	105	9.88	19.93	10.27	10.00	20.00	10.50
40	QPSK	100	0	10.15	19.90	10.53	10.50	20.00	11.00
40	16QAM	1	1	10.41	20.69	10.67	10.50	21.00	11.00
40	64QAM	1	1	10.39	20.48	10.65	10.50	21.00	11.00
40	256QAM	1	1	10.26	20.07	10.52	10.50	20.70	11.00
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	20.28	24.47	24.50	20.50	25.20	25.20
20	PI/2 BPSK	1	49	24.11	24.21	20.29	25.20	25.20	20.50
20	PI/2 BPSK	25	12	24.15	24.43	24.34	25.20	25.20	25.20
20	PI/2 BPSK	1	0	20.17	24.01	24.04	20.50	24.70	24.70
20	PI/2 BPSK	1	50	23.66	23.72	20.29	24.70	24.70	20.50
20	PI/2 BPSK	50	0	20.19	23.93	20.32	20.50	24.70	20.50
20	QPSK	1	1	20.18	24.52	24.42	20.50	25.20	25.20
20	QPSK	1	49	24.06	24.21	20.19	25.20	25.20	20.50
20	QPSK	25	12	24.22	24.43	24.32	25.20	25.20	25.20
20	QPSK	1	0	20.21	23.51	23.36	20.50	24.70	24.70
20	QPSK	1	50	23.09	23.21	20.25	24.70	24.70	20.50
20	QPSK	50	0	20.22	23.40	20.33	20.50	24.70	20.50
20	16QAM	1	1	19.38	23.43	23.49	19.50	24.20	24.20
20	64QAM	1	1	19.26	21.89	21.83	19.50	22.70	22.70
20	256QAM	1	1	19.69	19.87	19.97	20.70	20.70	20.70
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	20.16	24.50	24.45	20.50	25.20	25.20
15	PI/2 BPSK	1	36	24.03	24.30	20.31	25.20	25.20	20.50
15	PI/2 BPSK	18	9	24.19	24.45	24.35	25.20	25.20	25.20
15	PI/2 BPSK	1	0	20.12	24.00	23.95	20.50	24.70	24.70
15	PI/2 BPSK	1	37	23.60	23.80	20.32	24.70	24.70	20.50
15	PI/2 BPSK	36	0	20.17	23.93	20.34	20.50	24.70	20.50
15	QPSK	1	1	20.11	24.43	24.42	20.50	25.20	25.20
15	QPSK	1	36	24.04	24.23	20.26	25.20	25.20	20.50
15	QPSK	18	9	24.17	24.41	24.35	25.20	25.20	25.20
15	QPSK	1	0	20.13	23.46	23.46	20.50	24.70	24.70
15	QPSK	1	37	23.06	23.26	20.31	24.70	24.70	20.50
15	QPSK	36	0	20.18	23.43	20.37	20.50	24.70	20.50
15	16QAM	1	1	19.25	23.57	23.44	19.50	24.20	24.20
15	64QAM	1	1	19.08	22.01	21.92	19.50	22.70	22.70
15	256QAM	1	1	19.63	20.02	19.89	20.70	20.70	20.70
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	23.98	24.48	24.47	25.20	25.20	25.20
10	PI/2 BPSK	1	22	24.05	24.37	24.40	25.20	25.20	25.20
10	PI/2 BPSK	12	6	24.06	24.40	24.41	25.20	25.20	25.20
10	PI/2 BPSK	1	0	23.55	23.95	23.96	24.70	24.70	24.70
10	PI/2 BPSK	1	23	23.59	23.82	23.93	24.70	24.70	24.70
10	PI/2 BPSK	24	0	23.57	23.95	23.91	24.70	24.70	24.70
10	QPSK	1	1	23.04	24.43	24.42	24.70	25.20	25.20
10	QPSK	1	22	24.11	24.32	24.35	25.20	25.20	25.20
10	QPSK	12	6	24.07	24.42	24.43	25.20	25.20	25.20
10	QPSK	1	0	23.08	23.45	23.42	24.20	24.20	24.20
10	QPSK	1	23	23.11	23.33	23.35	24.20	24.20	24.20
10	QPSK	24	0	23.07	23.41	23.41	24.20	24.20	24.20
10	16QAM	1	1	23.07	23.47	23.20	24.20	24.20	24.20
10	64QAM	1	1	21.53	21.71	22.09	22.70	22.70	22.70
10	256QAM	1	1	19.63	19.93	19.96	20.70	20.70	20.70



FCC SAR TEST REPORT

Report No. : FA380306C

<FR1 n48_Ant 6_Index 3>							Tune-up Limit		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	13.84	20.49	14.09	14.00	20.50	14.50
40	PI/2 BPSK	1	104	13.40	19.96	13.80	13.50	20.00	14.00
40	PI/2 BPSK	50	25	13.72	24.42	14.12	14.00	24.60	14.50
40	PI/2 BPSK	1	0	13.82	20.45	14.04	14.00	20.50	14.50
40	PI/2 BPSK	1	105	13.41	19.91	13.82	13.50	20.00	14.00
40	PI/2 BPSK	100	0	13.66	19.91	14.00	14.00	20.00	14.00
40	QPSK	1	1	10.36	20.48	10.52	10.50	20.50	11.00
40	QPSK	1	104	9.88	19.90	10.25	10.00	20.00	10.50
40	QPSK	50	25	10.21	24.42	10.56	10.50	24.60	11.00
40	QPSK	1	0	10.42	20.55	10.54	10.50	21.00	11.00
40	QPSK	1	105	9.88	19.93	10.27	10.00	20.00	10.50
40	QPSK	100	0	10.15	19.90	10.53	10.50	20.00	11.00
40	16QAM	1	1	10.41	20.69	10.67	10.50	21.00	11.00
40	64QAM	1	1	10.39	20.48	10.65	10.50	21.00	11.00
40	256QAM	1	1	10.26	20.07	10.52	10.50	20.70	11.00
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	20.28	24.47	24.50	20.50	24.60	24.60
20	PI/2 BPSK	1	49	24.11	24.21	20.29	24.60	24.60	20.50
20	PI/2 BPSK	25	12	24.15	24.43	24.34	24.60	24.60	24.60
20	PI/2 BPSK	1	0	20.17	24.01	24.04	20.50	24.60	24.60
20	PI/2 BPSK	1	50	23.66	23.72	20.29	24.60	24.60	20.50
20	PI/2 BPSK	50	0	20.19	23.93	20.32	20.50	24.60	20.50
20	QPSK	1	1	20.18	24.52	24.42	20.50	24.60	24.60
20	QPSK	1	49	24.06	24.21	20.19	24.60	24.60	20.50
20	QPSK	25	12	24.22	24.43	24.32	24.60	24.60	24.60
20	QPSK	1	0	20.21	23.51	23.36	20.50	24.60	24.60
20	QPSK	1	50	23.09	23.21	20.25	24.60	24.60	20.50
20	QPSK	50	0	20.22	23.40	20.33	20.50	24.60	20.50
20	16QAM	1	1	19.38	23.43	23.49	19.50	24.20	24.20
20	64QAM	1	1	19.26	21.89	21.83	19.50	22.70	22.70
20	256QAM	1	1	19.69	19.87	19.97	20.70	20.70	20.70
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	20.16	24.50	24.45	20.50	24.60	24.60
15	PI/2 BPSK	1	36	24.03	24.30	20.31	24.60	24.60	20.50
15	PI/2 BPSK	18	9	24.19	24.45	24.35	24.60	24.60	24.60
15	PI/2 BPSK	1	0	20.12	24.00	23.95	20.50	24.60	24.60
15	PI/2 BPSK	1	37	23.60	23.80	20.32	24.60	24.60	20.50
15	PI/2 BPSK	36	0	20.17	23.93	20.34	20.50	24.60	20.50
15	QPSK	1	1	20.11	24.43	24.42	20.50	24.60	24.60
15	QPSK	1	36	24.04	24.23	20.26	24.60	24.60	20.50
15	QPSK	18	9	24.17	24.41	24.35	24.60	24.60	24.60
15	QPSK	1	0	20.13	23.46	23.46	20.50	24.60	24.60
15	QPSK	1	37	23.06	23.26	20.31	24.60	24.60	20.50
15	QPSK	36	0	20.18	23.43	20.37	20.50	24.60	20.50
15	16QAM	1	1	19.25	23.57	23.44	19.50	24.20	24.20
15	64QAM	1	1	19.08	22.01	21.92	19.50	22.70	22.70
15	256QAM	1	1	19.63	20.02	19.89	20.70	20.70	20.70
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	23.98	24.48	24.47	24.60	24.60	24.60
10	PI/2 BPSK	1	22	24.05	24.37	24.40	24.60	24.60	24.60
10	PI/2 BPSK	12	6	24.06	24.40	24.41	24.60	24.60	24.60
10	PI/2 BPSK	1	0	23.55	23.95	23.96	24.60	24.60	24.60
10	PI/2 BPSK	1	23	23.59	23.82	23.93	24.60	24.60	24.60
10	PI/2 BPSK	24	0	23.57	23.95	23.91	24.60	24.60	24.60
10	QPSK	1	1	23.04	24.43	24.42	24.60	24.60	24.60
10	QPSK	1	22	24.11	24.32	24.35	24.60	24.60	24.60
10	QPSK	12	6	24.07	24.42	24.43	24.60	24.60	24.60
10	QPSK	1	0	23.08	23.45	23.42	24.20	24.20	24.20
10	QPSK	1	23	23.11	23.33	23.35	24.20	24.20	24.20
10	QPSK	24	0	23.07	23.41	23.41	24.20	24.20	24.20
10	16QAM	1	1	23.07	23.47	23.20	24.20	24.20	24.20
10	64QAM	1	1	21.53	21.71	22.09	22.70	22.70	22.70
10	256QAM	1	1	19.63	19.93	19.96	20.70	20.70	20.70



<FR1 n48_Ant 6_Index 4>							Tune-up Limit		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	13.84	18.73	14.09	14.00	19.60	14.50
40	PI/2 BPSK	1	104	13.40	18.57	13.80	13.50	19.60	14.00
40	PI/2 BPSK	50	25	13.72	18.62	14.12	14.00	19.60	14.50
40	PI/2 BPSK	1	0	13.82	18.72	14.04	14.00	19.60	14.50
40	PI/2 BPSK	1	105	13.41	18.62	13.82	13.50	19.60	14.00
40	PI/2 BPSK	100	0	13.66	18.63	14.00	14.00	19.60	14.00
40	QPSK	1	1	10.36	18.67	10.52	10.50	19.60	11.00
40	QPSK	1	104	9.88	18.50	10.25	10.00	19.60	10.50
40	QPSK	50	25	10.21	18.61	10.56	10.50	19.60	11.00
40	QPSK	1	0	10.42	18.67	10.54	10.50	19.60	11.00
40	QPSK	1	105	9.88	18.56	10.27	10.00	19.60	10.50
40	QPSK	100	0	10.15	18.58	10.53	10.50	19.60	11.00
40	16QAM	1	1	10.41	18.65	10.67	10.50	19.60	11.00
40	64QAM	1	1	10.39	18.49	10.65	10.50	19.60	11.00
40	256QAM	1	1	10.26	18.53	10.52	10.50	19.60	11.00
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	18.70	18.71	18.70	19.60	19.60	19.60
20	PI/2 BPSK	1	49	18.62	18.62	18.57	19.60	19.60	19.60
20	PI/2 BPSK	25	12	18.59	18.60	18.60	19.60	19.60	19.60
20	PI/2 BPSK	1	0	18.70	18.70	18.70	19.60	19.60	19.60
20	PI/2 BPSK	1	50	18.60	18.61	18.61	19.60	19.60	19.60
20	PI/2 BPSK	50	0	18.65	18.60	18.64	19.60	19.60	19.60
20	QPSK	1	1	18.70	18.67	18.62	19.60	19.60	19.60
20	QPSK	1	49	18.46	18.51	18.45	19.60	19.60	19.60
20	QPSK	25	12	18.66	18.66	18.57	19.60	19.60	19.60
20	QPSK	1	0	18.62	18.68	18.71	19.60	19.60	19.60
20	QPSK	1	50	18.52	18.59	18.59	19.60	19.60	19.60
20	QPSK	50	0	18.54	18.63	18.62	19.60	19.60	19.60
20	16QAM	1	1	18.68	18.60	18.65	19.50	19.60	19.60
20	64QAM	1	1	18.50	18.52	18.53	19.50	19.60	19.60
20	256QAM	1	1	18.49	18.51	18.54	19.60	19.60	19.60
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	18.70	18.70	18.70	19.60	19.60	19.60
15	PI/2 BPSK	1	36	18.56	18.60	18.52	19.60	19.60	19.60
15	PI/2 BPSK	18	9	18.57	18.50	18.50	19.60	19.60	19.60
15	PI/2 BPSK	1	0	18.68	18.70	18.68	19.60	19.60	19.60
15	PI/2 BPSK	1	37	18.60	18.59	18.60	19.60	19.60	19.60
15	PI/2 BPSK	36	0	18.56	18.55	18.62	19.60	19.60	19.60
15	QPSK	1	1	18.70	18.62	18.61	19.60	19.60	19.60
15	QPSK	1	36	18.42	18.44	18.39	19.60	19.60	19.60
15	QPSK	18	9	18.56	18.65	18.51	19.60	19.60	19.60
15	QPSK	1	0	18.53	18.62	18.65	19.60	19.60	19.60
15	QPSK	1	37	18.50	18.57	18.56	19.60	19.60	19.60
15	QPSK	36	0	18.51	18.53	18.53	19.60	19.60	19.60
15	16QAM	1	1	18.63	18.52	18.55	19.50	19.60	19.60
15	64QAM	1	1	18.44	18.50	18.46	19.50	19.60	19.60
15	256QAM	1	1	18.44	18.43	18.54	19.60	19.60	19.60
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	18.70	18.71	18.70	19.60	19.60	19.60
10	PI/2 BPSK	1	22	18.53	18.57	18.55	19.60	19.60	19.60
10	PI/2 BPSK	12	6	18.54	18.60	18.53	19.60	19.60	19.60
10	PI/2 BPSK	1	0	18.66	18.68	18.67	19.60	19.60	19.60
10	PI/2 BPSK	1	23	18.55	18.56	18.60	19.60	19.60	19.60
10	PI/2 BPSK	24	0	18.61	18.58	18.59	19.60	19.60	19.60
10	QPSK	1	1	18.63	18.57	18.55	19.60	19.60	19.60
10	QPSK	1	22	18.40	18.44	18.41	19.60	19.60	19.60
10	QPSK	12	6	18.66	18.61	18.54	19.60	19.60	19.60
10	QPSK	1	0	18.60	18.63	18.63	19.60	19.60	19.60
10	QPSK	1	23	18.50	18.54	18.54	19.60	19.60	19.60
10	QPSK	24	0	18.44	18.58	18.53	19.60	19.60	19.60
10	16QAM	1	1	18.64	18.57	18.64	19.60	19.60	19.60
10	64QAM	1	1	18.45	18.42	18.52	19.60	19.60	19.60
10	256QAM	1	1	18.46	18.44	18.53	19.60	19.60	19.60



<FR1 n48_Ant 6_Index 5>							Tune-up Limit		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	13.84	20.49	14.09	14.00	20.50	14.50
40	PI/2 BPSK	1	104	13.40	19.96	13.80	13.50	20.00	14.00
40	PI/2 BPSK	50	25	13.72	21.86	14.12	14.00	22.30	14.50
40	PI/2 BPSK	1	0	13.82	20.45	14.04	14.00	20.50	14.50
40	PI/2 BPSK	1	105	13.41	19.91	13.82	13.50	20.00	14.00
40	PI/2 BPSK	100	0	13.66	19.91	14.00	14.00	20.00	14.00
40	QPSK	1	1	10.36	20.48	10.52	10.50	20.50	11.00
40	QPSK	1	104	9.88	19.90	10.25	10.00	20.00	10.50
40	QPSK	50	25	10.21	21.65	10.56	10.50	22.30	11.00
40	QPSK	1	0	10.42	20.55	10.54	10.50	21.00	11.00
40	QPSK	1	105	9.88	19.93	10.27	10.00	20.00	10.50
40	QPSK	100	0	10.15	19.90	10.53	10.50	20.00	11.00
40	16QAM	1	1	10.41	20.69	10.67	10.50	21.00	11.00
40	64QAM	1	1	10.39	20.48	10.65	10.50	21.00	11.00
40	256QAM	1	1	10.26	20.07	10.52	10.50	20.70	11.00
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	20.28	21.72	21.91	20.50	22.30	22.30
20	PI/2 BPSK	1	49	21.71	21.76	20.29	22.30	22.30	20.50
20	PI/2 BPSK	25	12	21.77	21.82	21.84	22.30	22.30	22.30
20	PI/2 BPSK	1	0	20.17	21.75	21.85	20.50	22.30	22.30
20	PI/2 BPSK	1	50	21.83	21.79	20.29	22.30	22.30	20.50
20	PI/2 BPSK	50	0	20.19	21.80	20.32	20.50	22.30	20.50
20	QPSK	1	1	20.18	21.75	21.76	20.50	22.30	22.30
20	QPSK	1	49	21.81	21.83	20.19	22.30	22.30	20.50
20	QPSK	25	12	21.84	21.78	21.78	22.30	22.30	22.30
20	QPSK	1	0	20.21	21.81	21.80	20.50	22.30	22.30
20	QPSK	1	50	21.81	21.81	20.25	22.30	22.30	20.50
20	QPSK	50	0	20.22	21.85	20.33	20.50	22.30	20.50
20	16QAM	1	1	19.38	21.84	21.85	19.50	22.30	22.30
20	64QAM	1	1	19.26	21.79	21.78	19.50	22.30	22.30
20	256QAM	1	1	19.69	19.87	19.97	20.70	20.70	20.70
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	20.16	21.80	21.80	20.50	22.30	22.30
15	PI/2 BPSK	1	36	21.81	21.77	20.31	22.30	22.30	20.50
15	PI/2 BPSK	18	9	21.87	21.84	21.88	22.30	22.30	22.30
15	PI/2 BPSK	1	0	20.12	21.75	21.82	20.50	22.30	22.30
15	PI/2 BPSK	1	37	21.88	21.81	20.32	22.30	22.30	20.50
15	PI/2 BPSK	36	0	20.17	21.88	20.34	20.50	22.30	20.50
15	QPSK	1	1	20.11	21.77	21.80	20.50	22.30	22.30
15	QPSK	1	36	21.89	21.87	20.26	22.30	22.30	20.50
15	QPSK	18	9	21.82	21.81	21.87	22.30	22.30	22.30
15	QPSK	1	0	20.13	21.90	21.81	20.50	22.30	22.30
15	QPSK	1	37	21.87	21.90	20.31	22.30	22.30	20.50
15	QPSK	36	0	20.18	21.89	20.37	20.50	22.30	20.50
15	16QAM	1	1	19.25	21.86	21.80	19.50	22.30	22.30
15	64QAM	1	1	19.08	21.88	21.82	19.50	22.30	22.30
15	256QAM	1	1	19.63	20.02	19.89	20.70	20.70	20.70
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	21.80	21.77	21.73	22.30	22.30	22.30
10	PI/2 BPSK	1	22	21.78	21.85	21.80	22.30	22.30	22.30
10	PI/2 BPSK	12	6	21.90	21.84	21.88	22.30	22.30	22.30
10	PI/2 BPSK	1	0	21.78	21.76	21.84	22.30	22.30	22.30
10	PI/2 BPSK	1	23	21.80	21.80	21.82	22.30	22.30	22.30
10	PI/2 BPSK	24	0	21.86	21.89	21.83	22.30	22.30	22.30
10	QPSK	1	1	21.80	21.76	21.76	22.30	22.30	22.30
10	QPSK	1	22	21.85	21.90	21.84	22.30	22.30	22.30
10	QPSK	12	6	21.88	21.82	21.83	22.30	22.30	22.30
10	QPSK	1	0	21.89	21.86	21.90	22.30	22.30	22.30
10	QPSK	1	23	21.85	21.90	21.81	22.30	22.30	22.30
10	QPSK	24	0	21.90	21.86	21.90	22.30	22.30	22.30
10	16QAM	1	1	21.90	21.90	21.90	22.30	22.30	22.30
10	64QAM	1	1	21.86	21.87	21.86	22.30	22.30	22.30
10	256QAM	1	1	19.95	19.93	19.97	20.70	20.70	20.70



FCC SAR TEST REPORT

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<FR1 n48_Ant 6_Index 5>							Tune-up Limit		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	13.84	20.49	14.09	14.00	20.50	14.50
40	PI/2 BPSK	1	104	13.40	19.96	13.80	13.50	20.00	14.00
40	PI/2 BPSK	50	25	13.72	20.65	14.12	14.00	21.50	14.50
40	PI/2 BPSK	1	0	13.82	20.45	14.04	14.00	20.50	14.50
40	PI/2 BPSK	1	105	13.41	19.91	13.82	13.50	20.00	14.00
40	PI/2 BPSK	100	0	13.66	19.91	14.00	14.00	20.00	14.00
40	QPSK	1	1	10.36	20.48	10.52	10.50	20.50	11.00
40	QPSK	1	104	9.88	19.90	10.25	10.00	20.00	10.50
40	QPSK	50	25	10.21	20.64	10.56	10.50	21.50	11.00
40	QPSK	1	0	10.42	20.55	10.54	10.50	21.00	11.00
40	QPSK	1	105	9.88	19.93	10.27	10.00	20.00	10.50
40	QPSK	100	0	10.15	19.90	10.53	10.50	20.00	11.00
40	16QAM	1	1	10.41	20.69	10.67	10.50	21.00	11.00
40	64QAM	1	1	10.39	20.48	10.65	10.50	21.00	11.00
40	256QAM	1	1	10.26	20.07	10.52	10.50	20.70	11.00
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	20.28	20.66	20.89	20.50	21.50	21.50
20	PI/2 BPSK	1	49	20.72	20.65	20.29	21.50	21.50	20.50
20	PI/2 BPSK	25	12	20.72	20.73	20.71	21.50	21.50	21.50
20	PI/2 BPSK	1	0	20.17	20.64	20.73	20.50	21.50	21.50
20	PI/2 BPSK	1	50	20.69	20.64	20.29	21.50	21.50	20.50
20	PI/2 BPSK	50	0	20.19	20.79	20.32	20.50	21.50	20.50
20	QPSK	1	1	20.18	20.69	20.74	20.50	21.50	21.50
20	QPSK	1	49	20.71	20.82	20.19	21.50	21.50	20.50
20	QPSK	25	12	20.67	20.68	20.67	21.50	21.50	21.50
20	QPSK	1	0	20.21	20.75	20.77	20.50	21.50	21.50
20	QPSK	1	50	20.68	20.71	20.25	21.50	21.50	20.50
20	QPSK	50	0	20.22	20.82	20.33	20.50	21.50	20.50
20	16QAM	1	1	19.38	20.81	20.72	19.50	21.50	21.50
20	64QAM	1	1	19.26	20.78	20.77	19.50	21.50	21.50
20	256QAM	1	1	19.69	19.87	19.97	20.70	20.70	20.70
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	20.16	20.79	20.74	20.50	21.50	21.50
15	PI/2 BPSK	1	36	20.76	20.72	20.31	21.50	21.50	20.50
15	PI/2 BPSK	18	9	20.67	20.75	20.70	21.50	21.50	21.50
15	PI/2 BPSK	1	0	20.12	20.70	20.75	20.50	21.50	21.50
15	PI/2 BPSK	1	37	20.67	20.80	20.32	21.50	21.50	20.50
15	PI/2 BPSK	36	0	20.17	20.85	20.34	20.50	21.50	20.50
15	QPSK	1	1	20.11	20.76	20.72	20.50	21.50	21.50
15	QPSK	1	36	20.70	20.79	20.26	21.50	21.50	20.50
15	QPSK	18	9	20.73	20.74	20.70	21.50	21.50	21.50
15	QPSK	1	0	20.13	20.85	20.70	20.50	21.50	21.50
15	QPSK	1	37	20.71	20.89	20.31	21.50	21.50	20.50
15	QPSK	36	0	20.18	20.79	20.37	20.50	21.50	20.50
15	16QAM	1	1	19.25	20.78	20.67	19.50	21.50	21.50
15	64QAM	1	1	19.08	20.86	20.72	19.50	21.50	21.50
15	256QAM	1	1	19.63	20.02	19.89	20.70	20.70	20.70
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	20.77	20.72	20.67	21.50	21.50	21.50
10	PI/2 BPSK	1	22	20.70	20.75	20.75	21.50	21.50	21.50
10	PI/2 BPSK	12	6	20.88	20.75	20.79	21.50	21.50	21.50
10	PI/2 BPSK	1	0	20.74	20.73	20.81	21.50	21.50	21.50
10	PI/2 BPSK	1	23	20.76	20.73	20.76	21.50	21.50	21.50
10	PI/2 BPSK	24	0	20.78	20.85	20.76	21.50	21.50	21.50
10	QPSK	1	1	20.80	20.69	20.70	21.50	21.50	21.50
10	QPSK	1	22	20.76	20.80	20.82	21.50	21.50	21.50
10	QPSK	12	6	20.80	20.74	20.83	21.50	21.50	21.50
10	QPSK	1	0	20.85	20.76	20.86	21.50	21.50	21.50
10	QPSK	1	23	20.75	20.85	20.77	21.50	21.50	21.50
10	QPSK	24	0	20.86	20.85	20.82	21.50	21.50	21.50
10	16QAM	1	1	20.84	20.80	20.86	21.50	21.50	21.50
10	64QAM	1	1	20.82	20.80	20.81	21.50	21.50	21.50
10	256QAM	1	1	19.95	19.93	19.97	20.70	20.70	20.70



<FR1 n66_Ant 0_Index 2/3/5>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel	346000	349000	352000	
Frequency (MHz)	1730	1745	1760	
40	PI/2 BPSK	1	1	25.2
40	PI/2 BPSK	1	108	
40	PI/2 BPSK	1	214	
40	PI/2 BPSK	108	0	24.7
40	PI/2 BPSK	108	54	25.2
40	PI/2 BPSK	108	108	24.7
40	PI/2 BPSK	216	0	
40	QPSK	1	1	25.2
40	QPSK	1	108	
40	QPSK	1	214	
40	QPSK	108	0	24.2
40	QPSK	108	54	25.2
40	QPSK	108	108	24.2
40	QPSK	216	0	
40	16QAM	1	1	24.2
40	64QAM	1	1	22.7
40	256QAM	1	1	20.7
Channel	345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)	1725	1745	1765	
30	PI/2 BPSK	1	1	25.2
Channel	344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)	1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	25.2
Channel	344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)	1720	1745	1770	
20	PI/2 BPSK	1	1	25.2
Channel	343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)	1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	25.2
Channel	343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)	1715	1745	1775	
10	PI/2 BPSK	1	1	25.2
Channel	342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)	1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	25.2



<FR1 n66_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.54	22.70	22.61	23.6
40	PI/2 BPSK	1	108	22.32	22.42	22.21	
40	PI/2 BPSK	1	214	22.51	22.40	22.20	
40	PI/2 BPSK	108	0	22.17	22.35	22.23	23.6
40	PI/2 BPSK	108	54	22.67	22.69	22.62	23.6
40	PI/2 BPSK	108	108	22.66	22.62	22.50	23.6
40	PI/2 BPSK	216	0	22.60	22.66	22.55	
40	QPSK	1	1	22.18	22.24	22.25	23.6
40	QPSK	1	108	22.36	22.41	22.28	
40	QPSK	1	214	22.50	22.39	22.59	
40	QPSK	108	0	22.27	22.33	22.24	23.6
40	QPSK	108	54	22.53	22.57	22.53	23.6
40	QPSK	108	108	22.23	22.10	22.00	23.6
40	QPSK	216	0	22.19	22.13	22.06	
40	16QAM	1	1	22.18	22.24	22.33	23.6
40	64QAM	1	1	21.70	21.73	21.82	22.7
40	256QAM	1	1	19.60	19.72	19.78	20.7
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.50	22.69	22.55	23.6
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.47	22.61	22.55	23.6
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.58	22.69	22.43	23.6
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.51	22.64	22.41	23.6
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.49	22.65	22.29	23.6
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.51	22.63	22.32	23.6



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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				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.46	22.58	22.53	23.6
40	PI/2 BPSK	1	108	22.79	22.88	22.69	
40	PI/2 BPSK	1	214	22.76	22.82	22.67	
40	PI/2 BPSK	108	0	22.57	22.77	22.70	23.6
40	PI/2 BPSK	108	54	22.73	22.81	22.71	23.6
40	PI/2 BPSK	108	108	22.57	22.60	22.50	23.6
40	PI/2 BPSK	216	0	22.58	22.66	22.50	
40	QPSK	1	1	22.63	22.67	22.65	23.6
40	QPSK	1	108	22.85	22.85	22.71	
40	QPSK	1	214	22.47	22.39	22.74	
40	QPSK	108	0	22.77	22.82	22.74	23.6
40	QPSK	108	54	22.75	22.71	22.54	23.6
40	QPSK	108	108	22.67	22.60	22.46	23.6
40	QPSK	216	0	22.62	22.59	22.49	
40	16QAM	1	1	22.62	22.68	22.77	23.6
40	64QAM	1	1	21.60	21.69	21.77	22.7
40	256QAM	1	1	19.52	19.63	19.68	20.7
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.49	22.64	22.53	23.6
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.50	22.62	22.51	23.6
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.54	22.63	22.61	23.6
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.46	22.62	22.52	23.6
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.46	22.66	22.56	23.6
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.53	22.62	22.58	23.6



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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel	346000	349000	352000	
Frequency (MHz)	1730	1745	1760	
40	PI/2 BPSK	1	1	25.7
40	PI/2 BPSK	1	108	
40	PI/2 BPSK	1	214	
40	PI/2 BPSK	108	0	25.2
40	PI/2 BPSK	108	54	25.7
40	PI/2 BPSK	108	108	25.2
40	PI/2 BPSK	216	0	
40	QPSK	1	1	25.7
40	QPSK	1	108	
40	QPSK	1	214	
40	QPSK	108	0	24.7
40	QPSK	108	54	25.7
40	QPSK	108	108	24.7
40	QPSK	216	0	
40	16QAM	1	1	24.7
40	64QAM	1	1	23.2
40	256QAM	1	1	21.2
Channel	345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)	1725	1745	1765	
30	PI/2 BPSK	1	1	25.7
Channel	344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)	1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	25.7
Channel	344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)	1720	1745	1770	
20	PI/2 BPSK	1	1	25.7
Channel	343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)	1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	25.7
Channel	343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)	1715	1745	1775	
10	PI/2 BPSK	1	1	25.7
Channel	342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)	1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	25.7



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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel	346000	349000	352000	
Frequency (MHz)	1730	1745	1760	
40	PI/2 BPSK	1	1	25.4
40	PI/2 BPSK	1	108	25.4
40	PI/2 BPSK	1	214	25.4
40	PI/2 BPSK	108	0	25.2
40	PI/2 BPSK	108	54	25.4
40	PI/2 BPSK	108	108	25.2
40	PI/2 BPSK	216	0	25.2
40	QPSK	1	1	25.4
40	QPSK	1	108	25.4
40	QPSK	1	214	25.4
40	QPSK	108	0	24.7
40	QPSK	108	54	25.4
40	QPSK	108	108	24.7
40	QPSK	216	0	24.7
40	16QAM	1	1	24.7
40	64QAM	1	1	23.2
40	256QAM	1	1	21.2
Channel	345000	349000	353000	
Frequency (MHz)	1725	1745	1765	
30	PI/2 BPSK	1	1	25.4
Channel	344500	349000	353500	
Frequency (MHz)	1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	25.4
Channel	344000	349000	354000	
Frequency (MHz)	1720	1745	1770	
20	PI/2 BPSK	1	1	25.4
Channel	343500	349000	354500	
Frequency (MHz)	1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	25.4
Channel	343000	349000	355000	
Frequency (MHz)	1715	1745	1775	
10	PI/2 BPSK	1	1	25.4
Channel	342500	349000	355500	
Frequency (MHz)	1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	25.4



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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				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.97	23.00	22.99	23.0
40	PI/2 BPSK	1	108	22.92	22.92	22.92	
40	PI/2 BPSK	1	214	22.75	22.79	22.73	
40	PI/2 BPSK	108	0	22.82	22.89	22.88	23.0
40	PI/2 BPSK	108	54	22.83	22.90	22.89	23.0
40	PI/2 BPSK	108	108	22.80	22.80	22.74	23.0
40	PI/2 BPSK	216	0	22.81	22.82	22.75	
40	QPSK	1	1	22.89	22.90	22.88	23.0
40	QPSK	1	108	22.87	22.95	22.90	
40	QPSK	1	214	22.89	22.99	22.92	
40	QPSK	108	0	22.77	22.86	22.81	23.0
40	QPSK	108	54	22.83	22.89	22.87	23.0
40	QPSK	108	108	22.82	22.87	22.85	23.0
40	QPSK	216	0	22.71	22.81	22.77	
40	16QAM	1	1	22.89	22.90	22.89	23.0
40	64QAM	1	1	22.22	22.31	22.29	23.0
40	256QAM	1	1	20.39	20.39	20.33	21.2
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.94	22.98	22.95	23.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.97	22.97	22.96	23.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.97	22.96	22.95	23.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.92	22.96	22.93	23.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.93	22.94	22.95	23.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.93	22.98	22.93	23.0



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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel	346000	349000	352000	
Frequency (MHz)	1730	1745	1760	
40	PI/2 BPSK	1	1	23.8
40	PI/2 BPSK	1	108	
40	PI/2 BPSK	1	214	
40	PI/2 BPSK	108	0	23.8
40	PI/2 BPSK	108	54	23.8
40	PI/2 BPSK	108	108	23.8
40	PI/2 BPSK	216	0	
40	QPSK	1	1	23.8
40	QPSK	1	108	
40	QPSK	1	214	
40	QPSK	108	0	23.8
40	QPSK	108	54	23.8
40	QPSK	108	108	23.8
40	QPSK	216	0	
40	16QAM	1	1	23.8
40	64QAM	1	1	23.2
40	256QAM	1	1	21.2
Channel	345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)	1725	1745	1765	
30	PI/2 BPSK	1	1	23.8
Channel	344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)	1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.8
Channel	344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)	1720	1745	1770	
20	PI/2 BPSK	1	1	23.8
Channel	343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)	1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.8
Channel	343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)	1715	1745	1775	
10	PI/2 BPSK	1	1	23.8
Channel	342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)	1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.8



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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				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.62	22.71	22.70	23.0
40	PI/2 BPSK	1	108	22.55	22.58	22.54	
40	PI/2 BPSK	1	214	22.42	22.46	22.43	
40	PI/2 BPSK	108	0	22.43	22.54	22.45	23.0
40	PI/2 BPSK	108	54	22.46	22.55	22.46	23.0
40	PI/2 BPSK	108	108	22.40	22.47	22.41	23.0
40	PI/2 BPSK	216	0	22.42	22.43	22.39	
40	QPSK	1	1	22.57	22.55	22.57	23.0
40	QPSK	1	108	22.56	22.57	22.52	
40	QPSK	1	214	22.54	22.61	22.60	
40	QPSK	108	0	22.38	22.48	22.41	23.0
40	QPSK	108	54	22.49	22.56	22.56	23.0
40	QPSK	108	108	22.42	22.56	22.48	23.0
40	QPSK	216	0	22.32	22.51	22.43	
40	16QAM	1	1	22.55	22.53	22.51	23.0
40	64QAM	1	1	22.18	22.27	22.20	23.0
40	256QAM	1	1	20.33	20.33	20.31	21.2
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.56	22.68	22.59	23.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.63	22.60	22.60	23.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.58	22.66	22.67	23.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.53	22.64	22.58	23.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.57	22.57	22.63	23.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.62	22.65	22.64	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				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.18	24.30	24.28	25.7
20	PI/2 BPSK	1	53	24.32	24.45	24.42	
20	PI/2 BPSK	1	104	24.21	24.34	24.30	
20	PI/2 BPSK	50	0	23.73	23.81	23.71	25.2
20	PI/2 BPSK	50	28	24.21	24.35	24.31	25.7
20	PI/2 BPSK	50	56	23.75	23.82	23.72	25.2
20	PI/2 BPSK	100	0	23.71	23.82	23.72	
20	QPSK	1	1	24.19	24.25	24.24	25.7
20	QPSK	1	53	24.27	24.39	24.29	
20	QPSK	1	104	24.25	24.33	24.29	
20	QPSK	50	0	23.19	23.31	23.30	24.7
20	QPSK	50	28	24.24	24.35	24.30	25.7
20	QPSK	50	56	23.29	23.36	23.31	24.7
20	QPSK	100	0	23.30	23.35	23.28	
20	16QAM	1	1	23.31	23.45	23.35	24.7
20	64QAM	1	1	20.84	20.93	20.92	22.2
20	256QAM	1	1	19.94	20.06	20.02	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.11	24.21	24.19	25.7
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.18	24.28	24.26	25.7
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.18	24.29	24.26	25.7



<FR1 n71_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	22.09	22.15	22.08	23.2
20	PI/2 BPSK	1	53	22.12	22.14	22.11	
20	PI/2 BPSK	1	104	22.09	22.14	22.09	
20	PI/2 BPSK	50	0	22.06	22.13	22.14	23.2
20	PI/2 BPSK	50	28	22.14	22.14	22.12	23.2
20	PI/2 BPSK	50	56	22.11	22.11	22.11	23.2
20	PI/2 BPSK	100	0	22.11	22.13	22.12	
20	QPSK	1	1	22.10	22.14	22.05	23.2
20	QPSK	1	53	21.97	22.04	21.98	
20	QPSK	1	104	22.06	22.09	22.05	
20	QPSK	50	0	21.98	22.08	22.07	23.2
20	QPSK	50	28	22.02	22.07	21.98	23.2
20	QPSK	50	56	21.96	22.03	21.96	23.2
20	QPSK	100	0	21.96	22.03	21.98	
20	16QAM	1	1	22.00	22.01	21.97	23.2
20	64QAM	1	1	20.32	20.33	20.33	21.8
20	256QAM	1	1	19.44	19.45	19.42	20.8
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	22.04	22.13	22.03	23.2
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	22.02	22.14	22.06	23.2
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	22.04	22.12	22.06	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				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	20.28	20.35	20.31	21.1
20	PI/2 BPSK	1	53	20.31	20.27	20.23	
20	PI/2 BPSK	1	104	20.26	20.34	20.24	
20	PI/2 BPSK	50	0	20.26	20.30	20.29	21.1
20	PI/2 BPSK	50	28	20.33	20.34	20.26	21.1
20	PI/2 BPSK	50	56	20.26	20.23	20.30	21.1
20	PI/2 BPSK	100	0	20.22	20.32	20.30	
20	QPSK	1	1	20.29	20.25	20.21	21.1
20	QPSK	1	53	20.14	20.16	20.16	
20	QPSK	1	104	20.25	20.26	20.15	
20	QPSK	50	0	20.11	20.19	20.26	21.1
20	QPSK	50	28	20.18	20.18	20.10	21.1
20	QPSK	50	56	20.11	20.21	20.10	21.1
20	QPSK	100	0	20.11	20.14	20.15	
20	16QAM	1	1	20.16	20.12	20.12	21.1
20	64QAM	1	1	20.27	20.32	20.25	21.1
20	256QAM	1	1	19.36	19.45	19.40	20.8
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	20.23	20.31	20.28	21.1
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	20.30	20.29	20.31	21.1
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	20.28	20.32	20.28	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				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.97	23.95	24.01	25.3
20	PI/2 BPSK	1	53	24.11	24.03	23.96	
20	PI/2 BPSK	1	104	23.92	23.97	23.90	
20	PI/2 BPSK	50	0	23.40	23.47	23.39	24.8
20	PI/2 BPSK	50	28	23.94	23.99	23.92	25.3
20	PI/2 BPSK	50	56	23.49	23.43	23.45	24.8
20	PI/2 BPSK	100	0	23.47	23.47	23.47	
20	QPSK	1	1	23.87	23.91	23.96	25.3
20	QPSK	1	53	24.02	24.06	24.08	
20	QPSK	1	104	23.90	23.98	23.95	
20	QPSK	50	0	22.95	22.98	22.90	24.3
20	QPSK	50	28	23.97	24.00	23.95	25.3
20	QPSK	50	56	23.01	22.97	23.02	24.3
20	QPSK	100	0	23.00	22.97	23.02	
20	16QAM	1	1	23.03	23.03	23.04	24.3
20	64QAM	1	1	20.59	20.65	20.60	21.8
20	256QAM	1	1	19.64	19.59	19.60	20.8
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.99	23.99	23.92	25.3
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.98	24.03	23.93	25.3
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.00	24.04	24.10	25.3



<FR1 n77_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.03	16.04	16.03	17.2
100	PI/2 BPSK	1	137	15.51	15.57	15.58	
100	PI/2 BPSK	1	271	15.30	15.31	15.28	
100	PI/2 BPSK	135	0	15.71	15.70	15.63	17.2
100	PI/2 BPSK	135	69	15.71	15.71	15.68	17.2
100	PI/2 BPSK	135	138	15.21	15.25	15.22	17.2
100	PI/2 BPSK	270	0	15.48	15.49	15.47	
100	QPSK	1	1	15.95	15.97	15.96	17.2
100	QPSK	1	137	15.50	15.52	15.46	
100	QPSK	1	271	15.28	15.29	15.27	
100	QPSK	135	0	15.68	15.66	15.69	17.2
100	QPSK	135	69	15.65	15.69	15.72	
100	QPSK	135	138	15.22	15.20	15.23	
100	QPSK	270	0	15.41	15.43	15.38	17.2
100	16QAM	1	1	15.95	16.01	15.94	17.2
100	64QAM	1	1	15.99	15.99	15.99	17.2
100	256QAM	1	1	16.03	16.03	16.00	17.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.01	16.03	16.00	17.2
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.00	15.96	15.96	17.2
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.02	16.01	16.03	17.2
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	15.95	15.98	16.04	17.2
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	15.99	15.99	16.00	17.2
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	15.98	16.00	16.02	17.2
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	15.95	15.97	15.96	17.2
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	15.98	16.00	16.00	17.2
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	15.99	16.00	15.99	17.2
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	15.97	15.96	16.04	17.2
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	15.99	15.97	16.04	17.2



<FR1 n77_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		16.29		17.2
100	PI/2 BPSK	1	137		16.03		
100	PI/2 BPSK	1	271		15.93		
100	PI/2 BPSK	135	0		16.02		17.2
100	PI/2 BPSK	135	69		16.04		17.2
100	PI/2 BPSK	135	138		15.98		17.2
100	PI/2 BPSK	270	0		15.99		
100	QPSK	1	1		16.28		17.2
100	QPSK	1	137		16.00		
100	QPSK	1	271		15.93		
100	QPSK	135	0		15.99		17.2
100	QPSK	135	69		16.03		
100	QPSK	135	138		15.99		
100	QPSK	270	0		16.02		17.2
100	16QAM	1	1		16.25		17.2
100	64QAM	1	1		16.22		17.2
100	256QAM	1	1		16.25		17.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.17	16.22	16.20	17.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.22	16.19	16.16	17.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.22	16.19	16.17	17.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.20	16.13	16.23	17.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.14	16.15	16.22	17.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.18	16.18	16.14	17.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.19	16.18	16.14	17.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.23	16.23	16.18	17.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.14	16.23	16.20	17.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.16	16.21	16.14	17.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.22	16.15	16.14	17.2



<FR1 n77_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.03	16.04	16.03	16.4
100	PI/2 BPSK	1	137	15.51	15.57	15.58	
100	PI/2 BPSK	1	271	15.30	15.31	15.28	
100	PI/2 BPSK	135	0	15.71	15.70	15.63	16.4
100	PI/2 BPSK	135	69	15.71	15.71	15.68	16.4
100	PI/2 BPSK	135	138	15.21	15.25	15.22	16.4
100	PI/2 BPSK	270	0	15.48	15.49	15.47	
100	QPSK	1	1	15.95	15.97	15.96	16.4
100	QPSK	1	137	15.50	15.52	15.46	
100	QPSK	1	271	15.28	15.29	15.27	
100	QPSK	135	0	15.68	15.66	15.69	16.4
100	QPSK	135	69	15.65	15.69	15.72	
100	QPSK	135	138	15.22	15.20	15.23	
100	QPSK	270	0	15.41	15.43	15.38	16.4
100	16QAM	1	1	15.95	16.01	15.94	16.4
100	64QAM	1	1	15.99	15.99	15.99	16.4
100	256QAM	1	1	16.03	16.03	16.00	16.4
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.01	16.03	16.00	16.4
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.00	15.96	15.96	16.4
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.02	16.01	16.03	16.4
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	15.95	15.98	16.04	16.4
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	15.99	15.99	16.00	16.4
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	15.98	16.00	16.02	16.4
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	15.95	15.97	15.96	16.4
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	15.98	16.00	16.00	16.4
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	15.99	16.00	15.99	16.4
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	15.97	15.96	16.04	16.4
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	15.99	15.97	16.04	16.4



<FR1 n77_Ant 1_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		16.29		16.4
100	PI/2 BPSK	1	137		16.03		
100	PI/2 BPSK	1	271		15.93		
100	PI/2 BPSK	135	0		16.02		16.4
100	PI/2 BPSK	135	69		16.04		16.4
100	PI/2 BPSK	135	138		15.98		16.4
100	PI/2 BPSK	270	0		15.99		
100	QPSK	1	1		16.28		16.4
100	QPSK	1	137		16.00		
100	QPSK	1	271		15.93		
100	QPSK	135	0		15.99		16.4
100	QPSK	135	69		16.03		
100	QPSK	135	138		15.99		
100	QPSK	270	0		16.02		16.4
100	16QAM	1	1		16.25		16.4
100	64QAM	1	1		16.22		16.4
100	256QAM	1	1		16.25		16.4
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.17	16.22	16.20	16.4
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.22	16.19	16.16	16.4
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.22	16.19	16.17	16.4
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.20	16.13	16.23	16.4
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.14	16.15	16.22	16.4
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.18	16.18	16.14	16.4
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.19	16.18	16.14	16.4
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.23	16.23	16.18	16.4
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.14	16.23	16.20	16.4
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.16	16.21	16.14	16.4
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.22	16.15	16.14	16.4



<FR1 n77_Ant 1_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.84	21.85	21.78	23.1
100	PI/2 BPSK	1	137	21.36	21.34	21.28	
100	PI/2 BPSK	1	271	21.19	21.21	21.20	
100	PI/2 BPSK	135	0	21.30	21.30	21.26	23.1
100	PI/2 BPSK	135	69	21.32	21.34	21.27	23.1
100	PI/2 BPSK	135	138	21.13	21.12	21.14	23.1
100	PI/2 BPSK	270	0	21.22	21.26	21.21	
100	QPSK	1	1	21.75	21.82	21.79	23.1
100	QPSK	1	137	21.27	21.32	21.28	
100	QPSK	1	271	21.21	21.20	21.23	
100	QPSK	135	0	21.18	21.25	21.19	23.1
100	QPSK	135	69	21.37	21.34	21.32	
100	QPSK	135	138	21.12	21.10	21.21	
100	QPSK	270	0	21.18	21.24	21.17	23.1
100	16QAM	1	1	21.82	21.81	21.82	23.1
100	64QAM	1	1	21.67	21.74	21.69	22.5
100	256QAM	1	1	20.40	20.40	20.36	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.75	21.73	21.68	23.1
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.77	21.70	21.78	23.1
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.72	21.74	21.78	23.1
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.71	21.73	21.73	23.1
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.79	21.79	21.78	23.1
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.76	21.70	21.77	23.1
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.73	21.72	21.77	23.1
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.74	21.76	21.78	23.1
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.72	21.79	21.72	23.1
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.71	21.72	21.76	23.1
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.75	21.72	21.74	23.1



<FR1 n77_Ant 1_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		22.15		23.1
100	PI/2 BPSK	1	137		21.93		
100	PI/2 BPSK	1	271		21.83		
100	PI/2 BPSK	135	0		21.90		23.1
100	PI/2 BPSK	135	69		21.92		23.1
100	PI/2 BPSK	135	138		21.92		23.1
100	PI/2 BPSK	270	0		21.89		
100	QPSK	1	1		22.11		23.1
100	QPSK	1	137		21.94		
100	QPSK	1	271		21.85		
100	QPSK	135	0		21.89		23.1
100	QPSK	135	69		21.94		
100	QPSK	135	138		21.94		
100	QPSK	270	0		21.91		23.1
100	16QAM	1	1		22.11		23.1
100	64QAM	1	1		22.09		22.5
100	256QAM	1	1		20.44		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.06	22.09	22.09	23.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.07	22.00	22.04	23.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.01	22.04	22.03	23.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.03	22.06	22.03	23.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.08	22.10	22.06	23.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.00	22.09	22.06	23.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.08	22.01	22.04	23.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.01	22.05	22.08	23.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.09	22.05	22.02	23.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.06	22.08	22.07	23.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.06	22.05	22.04	23.1



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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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.97	24.00	23.68	25.0
100	PI/2 BPSK	1	137	23.49	23.52	23.61	
100	PI/2 BPSK	1	271	23.03	23.01	23.03	
100	PI/2 BPSK	135	0	23.80	23.78	23.29	24.5
100	PI/2 BPSK	135	69	23.52	23.50	23.03	25.0
100	PI/2 BPSK	135	138	22.96	22.99	22.83	24.5
100	PI/2 BPSK	270	0	23.40	23.42	23.11	
100	QPSK	1	1	23.95	23.97	23.55	25.0
100	QPSK	1	137	23.49	23.51	23.02	
100	QPSK	1	271	23.03	23.01	23.03	
100	QPSK	135	0	23.80	23.81	23.28	25.0
100	QPSK	135	69	23.50	23.50	23.03	
100	QPSK	135	138	23.00	23.03	23.01	
100	QPSK	270	0	23.42	23.40	23.09	24.0
100	16QAM	1	1	23.95	23.96	23.58	24.0
100	64QAM	1	1	22.43	22.44	22.33	22.5
100	256QAM	1	1	20.43	20.44	20.37	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.92	23.93	23.64	25.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.92	23.93	23.60	25.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.94	23.97	23.64	25.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.93	23.99	23.62	25.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.88	23.95	23.66	25.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.90	23.98	23.60	25.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.95	23.98	23.63	25.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.95	23.91	23.58	25.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.92	23.93	23.67	25.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.90	23.94	23.66	25.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.94	23.95	23.59	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		24.36		25.0
100	PI/2 BPSK	1	137		24.09		
100	PI/2 BPSK	1	271		23.95		
100	PI/2 BPSK	135	0		24.14		24.5
100	PI/2 BPSK	135	69		24.08		25.0
100	PI/2 BPSK	135	138		24.07		24.5
100	PI/2 BPSK	270	0		24.03		
100	QPSK	1	1		24.28		25.0
100	QPSK	1	137		24.13		
100	QPSK	1	271		23.97		
100	QPSK	135	0		24.17		25.0
100	QPSK	135	69		24.12		
100	QPSK	135	138		24.12		
100	QPSK	270	0		23.96		24.0
100	16QAM	1	1		23.96		24.0
100	64QAM	1	1		22.41		22.5
100	256QAM	1	1		20.44		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.30	24.26	24.29	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.24	24.22	24.30	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.31	24.28	24.25	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.29	24.23	24.31	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.27	24.20	24.31	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.26	24.23	24.23	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.28	24.22	24.27	25.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.30	24.24	24.26	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.27	24.27	24.22	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.29	24.21	24.30	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.32	24.28	24.23	25.0



<FR1 n77_Ant 2_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.69	23.70	23.34	24.7
100	PI/2 BPSK	1	137	23.18	23.24	22.92	
100	PI/2 BPSK	1	271	22.81	22.89	22.77	
100	PI/2 BPSK	135	0	22.78	22.96	22.60	24.2
100	PI/2 BPSK	135	69	23.13	23.23	22.89	24.7
100	PI/2 BPSK	135	138	22.61	22.33	22.20	24.2
100	PI/2 BPSK	270	0	22.63	22.64	22.46	
100	QPSK	1	1	23.64	23.69	23.32	24.7
100	QPSK	1	137	23.15	23.23	22.91	
100	QPSK	1	271	22.82	22.89	22.76	
100	QPSK	135	0	22.30	22.44	22.11	24.7
100	QPSK	135	69	23.14	23.22	22.88	
100	QPSK	135	138	22.12	21.82	21.70	
100	QPSK	270	0	22.14	22.10	21.94	23.7
100	16QAM	1	1	22.67	22.72	22.35	23.7
100	64QAM	1	1	21.09	21.12	20.76	22.2
100	256QAM	1	1	19.13	19.17	18.79	20.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.31	23.33	22.93	24.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.33	23.32	22.91	24.7
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.47	23.44	23.01	24.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.45	23.39	23.00	24.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.44	23.45	23.02	24.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.49	23.41	22.98	24.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.36	23.29	22.86	24.7
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.35	23.26	22.84	24.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.33	23.19	22.81	24.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.31	23.17	22.91	24.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.32	23.18	22.92	24.7



<FR1 n77_Ant 2_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		23.55		24.7
100	PI/2 BPSK	1	137		23.11		
100	PI/2 BPSK	1	271		22.83		
100	PI/2 BPSK	135	0		22.69		24.2
100	PI/2 BPSK	135	69		23.09		24.7
100	PI/2 BPSK	135	138		22.41		24.2
100	PI/2 BPSK	270	0		22.59		
100	QPSK	1	1		23.51		24.7
100	QPSK	1	137		23.09		
100	QPSK	1	271		22.82		
100	QPSK	135	0		22.21		24.7
100	QPSK	135	69		23.08		
100	QPSK	135	138		21.92		
100	QPSK	270	0		22.07		23.7
100	16QAM	1	1		22.54		23.7
100	64QAM	1	1		21.00		22.2
100	256QAM	1	1		19.04		20.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.43	23.51	23.50	24.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.38	23.45	23.41	24.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.32	23.41	23.43	24.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.13	23.23	23.22	24.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.05	23.16	23.20	24.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.13	23.21	23.22	24.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.09	23.17	23.15	24.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.11	23.16	23.14	24.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.12	23.20	23.22	24.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.09	23.18	23.19	24.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.14	23.19	23.15	24.7



<FR1 n77_Ant 2_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.59	22.69	22.29	23.0
100	PI/2 BPSK	1	137	22.13	22.15	21.84	
100	PI/2 BPSK	1	271	22.31	22.34	22.20	
100	PI/2 BPSK	135	0	22.18	22.36	22.10	23.0
100	PI/2 BPSK	135	69	22.53	22.67	22.38	23.0
100	PI/2 BPSK	135	138	22.29	22.28	22.11	23.0
100	PI/2 BPSK	270	0	22.62	22.59	22.42	
100	QPSK	1	1	22.56	22.63	22.25	23.0
100	QPSK	1	137	22.14	22.16	21.89	
100	QPSK	1	271	22.31	22.38	22.17	
100	QPSK	135	0	22.27	22.40	22.11	23.0
100	QPSK	135	69	22.60	22.64	22.34	
100	QPSK	135	138	22.60	22.23	22.14	
100	QPSK	270	0	22.63	22.59	22.36	23.0
100	16QAM	1	1	22.65	22.61	22.25	23.0
100	64QAM	1	1	21.03	21.09	20.71	22.2
100	256QAM	1	1	19.03	19.16	18.79	20.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.61	22.64	22.24	23.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.61	22.67	22.29	23.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.66	22.66	22.29	23.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.64	22.60	22.29	23.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.68	22.62	22.30	23.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.59	22.63	22.26	23.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.62	22.62	22.29	23.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.68	22.68	22.31	23.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.66	22.67	22.29	23.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.65	22.68	22.31	23.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.68	22.64	22.34	23.0



<FR1 n77_Ant 2_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		22.53		23.0
100	PI/2 BPSK	1	137		22.05		
100	PI/2 BPSK	1	271		22.27		
100	PI/2 BPSK	135	0		22.15		23.0
100	PI/2 BPSK	135	69		22.23		23.0
100	PI/2 BPSK	135	138		21.86		23.0
100	PI/2 BPSK	270	0		21.99		
100	QPSK	1	1		22.51		23.0
100	QPSK	1	137		22.04		
100	QPSK	1	271		22.29		
100	QPSK	135	0		22.15		23.0
100	QPSK	135	69		22.03		
100	QPSK	135	138		21.86		
100	QPSK	270	0		22.05		23.0
100	16QAM	1	1		22.00		23.0
100	64QAM	1	1		20.97		22.2
100	256QAM	1	1		19.02		20.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.40	22.49	22.43	23.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.43	22.48	22.48	23.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.35	22.43	22.40	23.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.38	22.50	22.46	23.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.36	22.47	22.45	23.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.43	22.42	22.46	23.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.33	22.50	22.45	23.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.43	22.49	22.40	23.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.39	22.43	22.41	23.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.42	22.47	22.46	23.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.38	22.51	22.48	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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.27	19.33	19.23	19.5
100	PI/2 BPSK	1	137	18.76	18.83	18.75	
100	PI/2 BPSK	1	271	18.79	18.71	18.72	
100	PI/2 BPSK	135	0	18.78	18.84	18.89	19.5
100	PI/2 BPSK	135	69	18.80	18.91	18.90	19.5
100	PI/2 BPSK	135	138	18.70	18.75	18.76	19.5
100	PI/2 BPSK	270	0	18.64	18.68	18.67	
100	QPSK	1	1	19.30	19.24	19.31	19.5
100	QPSK	1	137	18.85	18.82	18.84	
100	QPSK	1	271	18.74	18.72	18.64	
100	QPSK	135	0	18.84	18.84	18.75	19.5
100	QPSK	135	69	18.86	18.86	18.74	
100	QPSK	135	138	18.76	18.73	18.77	
100	QPSK	270	0	18.78	18.78	18.84	19.5
100	16QAM	1	1	19.20	19.27	19.17	19.5
100	64QAM	1	1	19.24	19.18	19.22	19.5
100	256QAM	1	1	18.99	18.91	18.94	19.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.24	19.26	19.27	19.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.31	19.26	19.30	19.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.32	19.30	19.22	19.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.32	19.31	19.28	19.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.25	19.25	19.23	19.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.27	19.30	19.25	19.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.29	19.32	19.24	19.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.30	19.28	19.31	19.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.25	19.28	19.28	19.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.32	19.31	19.25	19.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.26	19.29	19.23	19.5



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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		19.08		19.5
100	PI/2 BPSK	1	137		18.71		
100	PI/2 BPSK	1	271		18.65		
100	PI/2 BPSK	135	0		18.67		19.5
100	PI/2 BPSK	135	69		18.72		19.5
100	PI/2 BPSK	135	138		18.68		19.5
100	PI/2 BPSK	270	0		18.67		
100	QPSK	1	1		19.05		19.5
100	QPSK	1	137		18.66		
100	QPSK	1	271		18.67		
100	QPSK	135	0		18.74		19.5
100	QPSK	135	69		18.68		
100	QPSK	135	138		18.61		
100	QPSK	270	0		18.71		19.5
100	16QAM	1	1		19.03		19.5
100	64QAM	1	1		19.03		19.5
100	256QAM	1	1		18.78		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.99	19.04	18.99	19.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.96	19.02	19.01	19.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.96	18.97	19.01	19.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.98	19.06	19.01	19.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.00	19.01	19.00	19.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.96	19.03	19.03	19.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.97	19.06	19.03	19.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.94	18.97	19.02	19.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.99	19.07	19.01	19.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.01	18.99	19.00	19.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.99	18.97	19.01	19.5



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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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.34	21.36	21.31	21.6
100	PI/2 BPSK	1	137	20.86	20.86	20.84	
100	PI/2 BPSK	1	271	20.80	20.80	20.82	
100	PI/2 BPSK	135	0	20.88	20.89	20.89	21.6
100	PI/2 BPSK	135	69	20.89	20.90	20.95	21.6
100	PI/2 BPSK	135	138	20.78	20.81	20.77	21.6
100	PI/2 BPSK	270	0	20.70	20.71	20.70	
100	QPSK	1	1	21.32	21.30	21.35	21.6
100	QPSK	1	137	20.87	20.88	20.86	
100	QPSK	1	271	20.76	20.76	20.74	
100	QPSK	135	0	20.89	20.87	20.84	21.6
100	QPSK	135	69	20.89	20.86	20.82	
100	QPSK	135	138	20.85	20.82	20.81	
100	QPSK	270	0	20.82	20.85	20.87	21.6
100	16QAM	1	1	21.26	21.31	21.26	21.6
100	64QAM	1	1	20.98	20.97	20.99	21.6
100	256QAM	1	1	19.05	19.00	18.95	20.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.30	21.31	21.34	21.6
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.34	21.25	21.30	21.6
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.26	21.30	21.28	21.6
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.34	21.27	21.34	21.6
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.24	21.31	21.33	21.6
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.28	21.32	21.25	21.6
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.28	21.30	21.24	21.6
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.28	21.27	21.29	21.6
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.30	21.26	21.29	21.6
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.32	21.31	21.26	21.6
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.26	21.28	21.28	21.6



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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		21.13		21.6
100	PI/2 BPSK	1	137		20.81		
100	PI/2 BPSK	1	271		20.71		
100	PI/2 BPSK	135	0		20.74		21.6
100	PI/2 BPSK	135	69		20.75		21.6
100	PI/2 BPSK	135	138		20.71		21.6
100	PI/2 BPSK	270	0		20.72		
100	QPSK	1	1		21.12		21.6
100	QPSK	1	137		20.75		
100	QPSK	1	271		20.71		
100	QPSK	135	0		20.76		21.6
100	QPSK	135	69		20.75		
100	QPSK	135	138		20.69		
100	QPSK	270	0		20.73		21.6
100	16QAM	1	1		21.11		21.6
100	64QAM	1	1		20.74		21.6
100	256QAM	1	1		18.78		20.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.04	21.07	21.08	21.6
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.02	21.01	21.09	21.6
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.06	21.03	21.03	21.6
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.04	21.06	21.02	21.6
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.04	21.03	21.04	21.6
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.09	21.10	21.02	21.6
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.07	21.06	21.02	21.6
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.10	21.04	21.07	21.6
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.10	21.03	21.08	21.6
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.07	21.05	21.09	21.6
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.01	21.04	21.05	21.6



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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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.27	19.33	19.23	20.3
100	PI/2 BPSK	1	137	18.76	18.83	18.75	
100	PI/2 BPSK	1	271	18.79	18.71	18.72	
100	PI/2 BPSK	135	0	18.78	18.84	18.89	20.3
100	PI/2 BPSK	135	69	18.80	18.91	18.90	20.3
100	PI/2 BPSK	135	138	18.70	18.75	18.76	20.3
100	PI/2 BPSK	270	0	18.64	18.68	18.67	
100	QPSK	1	1	19.30	19.24	19.31	20.3
100	QPSK	1	137	18.85	18.82	18.84	
100	QPSK	1	271	18.74	18.72	18.64	
100	QPSK	135	0	18.84	18.84	18.75	20.3
100	QPSK	135	69	18.86	18.86	18.74	
100	QPSK	135	138	18.76	18.73	18.77	
100	QPSK	270	0	18.78	18.78	18.84	20.3
100	16QAM	1	1	19.20	19.27	19.17	20.3
100	64QAM	1	1	19.24	19.18	19.22	20.3
100	256QAM	1	1	18.99	18.91	18.94	20.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.24	19.26	19.27	20.3
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.31	19.26	19.30	20.3
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.32	19.30	19.22	20.3
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.32	19.31	19.28	20.3
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.25	19.25	19.23	20.3
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.27	19.30	19.25	20.3
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.29	19.32	19.24	20.3
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.30	19.28	19.31	20.3
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.25	19.28	19.28	20.3
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.32	19.31	19.25	20.3
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.26	19.29	19.23	20.3



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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		19.08		20.3
100	PI/2 BPSK	1	137		18.71		
100	PI/2 BPSK	1	271		18.65		
100	PI/2 BPSK	135	0		18.67		20.3
100	PI/2 BPSK	135	69		18.72		20.3
100	PI/2 BPSK	135	138		18.68		20.3
100	PI/2 BPSK	270	0		18.67		
100	QPSK	1	1		19.05		20.3
100	QPSK	1	137		18.66		
100	QPSK	1	271		18.67		
100	QPSK	135	0		18.74		20.3
100	QPSK	135	69		18.68		
100	QPSK	135	138		18.61		
100	QPSK	270	0		18.71		20.3
100	16QAM	1	1		19.03		20.3
100	64QAM	1	1		19.03		20.3
100	256QAM	1	1		18.78		20.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.99	19.04	18.99	20.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.96	19.02	19.01	20.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.96	18.97	19.01	20.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.98	19.06	19.01	20.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.00	19.01	19.00	20.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.96	19.03	19.03	20.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.97	19.06	19.03	20.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.94	18.97	19.02	20.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.99	19.07	19.01	20.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.01	18.99	19.00	20.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.99	18.97	19.01	20.3



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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	656000	662000	26.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.77	25.81	25.46	
100	PI/2 BPSK	1	137	25.31	25.39	25.04	26.2
100	PI/2 BPSK	1	271	25.12	25.18	24.88	
100	PI/2 BPSK	135	0	25.02	25.09	24.69	26.7
100	PI/2 BPSK	135	69	25.27	25.40	25.02	
100	PI/2 BPSK	135	138	24.39	24.48	24.23	26.2
100	PI/2 BPSK	270	0	24.73	24.75	24.60	
100	QPSK	1	1	25.76	25.79	25.44	26.7
100	QPSK	1	137	25.29	25.38	25.01	
100	QPSK	1	271	25.08	25.16	24.87	
100	QPSK	135	0	24.56	24.62	24.22	26.7
100	QPSK	135	69	25.33	25.39	25.01	
100	QPSK	135	138	23.92	23.97	23.73	25.7
100	QPSK	270	0	24.18	24.23	24.10	
100	16QAM	1	1	24.79	24.83	24.45	25.7
100	64QAM	1	1	23.20	23.25	22.91	24.2
100	256QAM	1	1	21.23	21.31	20.91	22.2
Channel				649668	656000	662332	26.7
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.71	25.44	25.32	26.7
Channel				649334	656000	662666	26.7
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.68	25.43	25.30	26.7
Channel				649000	656000	663000	26.7
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.63	25.57	25.31	26.7
Channel				648668	656000	663332	26.7
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.59	25.51	25.39	26.7
Channel				648334	656000	663666	26.7
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.54	25.56	25.45	26.7
Channel				648000	656000	664000	26.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.49	25.52	25.37	26.7
Channel				647668	656000	664332	26.7
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.43	25.39	25.32	26.7
Channel				647500	656000	664500	26.7
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.42	25.38	25.30	26.7
Channel				647334	656000	664666	26.7
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.39	25.31	25.29	26.7
Channel				647168	656000	664832	26.7
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.32	25.29	25.24	26.7
Channel				647000	656000	665000	26.7
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.33	25.27	25.21	26.7



<FR1 n77_HPUE_Ant 2_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		25.65		26.7
100	PI/2 BPSK	1	137		25.24		
100	PI/2 BPSK	1	271		24.93		
100	PI/2 BPSK	135	0		24.80		26.2
100	PI/2 BPSK	135	69		25.21		26.7
100	PI/2 BPSK	135	138		24.53		26.2
100	PI/2 BPSK	270	0		24.71		
100	QPSK	1	1		25.63		26.7
100	QPSK	1	137		25.23		
100	QPSK	1	271		24.92		
100	QPSK	135	0		24.30		26.7
100	QPSK	135	69		25.20		
100	QPSK	135	138		24.03		
100	QPSK	270	0		24.19		25.7
100	16QAM	1	1		24.62		25.7
100	64QAM	1	1		23.08		24.2
100	256QAM	1	1		21.11		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.55	25.64	25.62	26.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.49	25.57	25.56	26.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.43	25.52	25.49	26.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.26	25.34	25.35	26.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.19	25.28	25.26	26.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.22	25.35	25.31	26.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.18	25.29	25.28	26.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.20	25.28	25.22	26.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.22	25.31	25.33	26.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.21	25.30	25.24	26.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.23	25.32	25.28	26.7



<FR1 n77_HPUE_Ant 2_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.77	25.81	25.46	26.0
100	PI/2 BPSK	1	137	25.31	25.39	25.04	
100	PI/2 BPSK	1	271	25.12	25.18	24.88	
100	PI/2 BPSK	135	0	25.02	25.09	24.69	26.0
100	PI/2 BPSK	135	69	25.27	25.40	25.02	26.0
100	PI/2 BPSK	135	138	24.39	24.48	24.23	26.0
100	PI/2 BPSK	270	0	24.73	24.75	24.60	
100	QPSK	1	1	25.76	25.79	25.44	26.0
100	QPSK	1	137	25.29	25.38	25.01	
100	QPSK	1	271	25.08	25.16	24.87	
100	QPSK	135	0	24.56	24.62	24.22	26.0
100	QPSK	135	69	25.33	25.39	25.01	
100	QPSK	135	138	23.92	23.97	23.73	
100	QPSK	270	0	24.18	24.23	24.10	25.7
100	16QAM	1	1	24.79	24.83	24.45	25.7
100	64QAM	1	1	23.20	23.25	22.91	24.2
100	256QAM	1	1	21.23	21.31	20.91	22.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.71	25.44	25.32	26.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.68	25.43	25.30	26.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.63	25.57	25.31	26.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.59	25.51	25.39	26.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.54	25.56	25.45	26.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.49	25.52	25.37	26.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.43	25.39	25.32	26.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.42	25.38	25.30	26.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.39	25.31	25.29	26.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.32	25.29	25.24	26.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.33	25.27	25.21	26.0



<FR1 n77_HPUE_Ant 2_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		25.65		26.0
100	PI/2 BPSK	1	137		25.24		
100	PI/2 BPSK	1	271		24.93		
100	PI/2 BPSK	135	0		24.80		26.0
100	PI/2 BPSK	135	69		25.21		26.0
100	PI/2 BPSK	135	138		24.53		26.0
100	PI/2 BPSK	270	0		24.71		
100	QPSK	1	1		25.63		26.0
100	QPSK	1	137		25.23		
100	QPSK	1	271		24.92		
100	QPSK	135	0		24.30		26.0
100	QPSK	135	69		25.20		
100	QPSK	135	138		24.03		
100	QPSK	270	0		24.19		25.7
100	16QAM	1	1		24.62		25.7
100	64QAM	1	1		23.08		24.2
100	256QAM	1	1		21.11		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.55	25.64	25.62	26.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.49	25.57	25.56	26.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.43	25.52	25.49	26.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.26	25.34	25.35	26.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.19	25.28	25.26	26.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.22	25.35	25.31	26.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.18	25.29	25.28	26.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.20	25.28	25.22	26.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.22	25.31	25.33	26.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.21	25.30	25.24	26.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.23	25.32	25.28	26.0



<FR1 n77_HPUE_Ant 2_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.27	22.31	22.27	22.5
100	PI/2 BPSK	1	137	21.75	21.79	21.72	
100	PI/2 BPSK	1	271	21.76	21.73	21.69	
100	PI/2 BPSK	135	0	21.76	21.80	21.87	22.5
100	PI/2 BPSK	135	69	21.75	21.88	21.86	22.5
100	PI/2 BPSK	135	138	21.71	21.65	21.66	22.5
100	PI/2 BPSK	270	0	21.65	21.70	21.66	
100	QPSK	1	1	22.18	22.20	22.19	22.5
100	QPSK	1	137	21.70	21.77	21.79	
100	QPSK	1	271	21.66	21.70	21.63	
100	QPSK	135	0	21.87	21.86	21.84	22.5
100	QPSK	135	69	21.90	21.87	21.82	
100	QPSK	135	138	21.62	21.56	21.51	
100	QPSK	270	0	21.69	21.73	21.72	22.5
100	16QAM	1	1	22.23	22.22	22.26	22.5
100	64QAM	1	1	22.05	22.01	22.04	22.5
100	256QAM	1	1	20.96	21.03	21.00	22.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.26	22.30	22.28	22.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.26	22.30	22.29	22.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.30	22.29	22.20	22.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.20	22.25	22.20	22.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.30	22.27	22.28	22.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.27	22.24	22.21	22.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.21	22.21	22.29	22.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.25	22.27	22.21	22.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.27	22.21	22.27	22.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.24	22.26	22.28	22.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.20	22.30	22.27	22.5



<FR1 n77_HPUE_Ant 2_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		22.08		22.5
100	PI/2 BPSK	1	137		21.75		
100	PI/2 BPSK	1	271		21.64		
100	PI/2 BPSK	135	0		21.67		22.5
100	PI/2 BPSK	135	69		21.67		22.5
100	PI/2 BPSK	135	138		21.61		22.5
100	PI/2 BPSK	270	0		21.65		
100	QPSK	1	1		22.02		22.5
100	QPSK	1	137		21.68		
100	QPSK	1	271		21.64		
100	QPSK	135	0		21.62		22.5
100	QPSK	135	69		21.61		
100	QPSK	135	138		21.56		
100	QPSK	270	0		21.64		22.5
100	16QAM	1	1		22.02		22.5
100	64QAM	1	1		21.99		22.5
100	256QAM	1	1		20.77		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.99	21.98	22.01	22.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.99	21.92	21.95	22.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.96	21.91	21.93	22.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.02	21.90	21.98	22.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.94	21.91	21.91	22.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.93	21.90	22.01	22.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.00	21.97	21.92	22.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.99	21.90	21.96	22.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.93	21.91	21.98	22.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.97	21.98	21.95	22.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.00	21.90	21.99	22.5



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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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.30	24.31	24.29	24.6
100	PI/2 BPSK	1	137	23.75	23.80	23.81	
100	PI/2 BPSK	1	271	23.76	23.75	23.72	
100	PI/2 BPSK	135	0	23.84	23.89	23.91	24.6
100	PI/2 BPSK	135	69	23.83	23.90	23.92	24.6
100	PI/2 BPSK	135	138	23.71	23.71	23.71	24.6
100	PI/2 BPSK	270	0	23.75	23.72	23.70	
100	QPSK	1	1	24.23	24.28	24.27	24.6
100	QPSK	1	137	23.80	23.82	23.80	
100	QPSK	1	271	23.72	23.74	23.73	
100	QPSK	135	0	23.89	23.88	23.84	24.6
100	QPSK	135	69	23.95	23.92	23.85	
100	QPSK	135	138	23.62	23.65	23.58	
100	QPSK	270	0	23.73	23.73	23.72	24.6
100	16QAM	1	1	24.24	24.30	24.30	24.6
100	64QAM	1	1	23.06	23.05	23.06	24.2
100	256QAM	1	1	21.01	21.07	21.05	22.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.26	24.25	24.29	24.6
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.26	24.21	24.21	24.6
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.24	24.30	24.25	24.6
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.20	24.29	24.24	24.6
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.28	24.25	24.29	24.6
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.21	24.21	24.20	24.6
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.22	24.26	24.27	24.6
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.22	24.28	24.21	24.6
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.27	24.20	24.25	24.6
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.20	24.23	24.26	24.6
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.22	24.29	24.21	24.6



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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		24.08		24.6
100	PI/2 BPSK	1	137		23.75		
100	PI/2 BPSK	1	271		23.72		
100	PI/2 BPSK	135	0		23.71		24.6
100	PI/2 BPSK	135	69		23.72		24.6
100	PI/2 BPSK	135	138		23.71		24.6
100	PI/2 BPSK	270	0		23.71		
100	QPSK	1	1		24.06		24.6
100	QPSK	1	137		23.75		
100	QPSK	1	271		23.71		
100	QPSK	135	0		23.65		24.6
100	QPSK	135	69		23.66		
100	QPSK	135	138		23.66		
100	QPSK	270	0		23.74		24.6
100	16QAM	1	1		24.06		24.6
100	64QAM	1	1		22.78		24.2
100	256QAM	1	1		20.84		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.02	24.00	24.01	24.6
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.96	24.05	24.02	24.6
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.02	23.96	23.99	24.6
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.95	23.95	23.96	24.6
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.05	23.99	24.03	24.6
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.05	24.00	23.98	24.6
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.97	24.05	23.98	24.6
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.99	24.04	24.05	24.6
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.97	23.96	24.02	24.6
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.01	24.00	23.96	24.6
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.99	24.01	24.04	24.6



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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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.27	22.31	22.27	23.3
100	PI/2 BPSK	1	137	21.75	21.79	21.72	
100	PI/2 BPSK	1	271	21.76	21.73	21.69	
100	PI/2 BPSK	135	0	21.76	21.80	21.87	23.3
100	PI/2 BPSK	135	69	21.75	21.88	21.86	23.3
100	PI/2 BPSK	135	138	21.71	21.65	21.66	23.3
100	PI/2 BPSK	270	0	21.65	21.70	21.66	
100	QPSK	1	1	22.18	22.20	22.19	23.3
100	QPSK	1	137	21.70	21.77	21.79	
100	QPSK	1	271	21.66	21.70	21.63	
100	QPSK	135	0	21.87	21.86	21.84	23.3
100	QPSK	135	69	21.90	21.87	21.82	
100	QPSK	135	138	21.62	21.56	21.51	
100	QPSK	270	0	21.69	21.73	21.72	23.3
100	16QAM	1	1	22.23	22.22	22.26	23.3
100	64QAM	1	1	22.05	22.01	22.04	23.3
100	256QAM	1	1	20.96	21.03	21.00	22.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.26	22.30	22.28	23.3
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.26	22.30	22.29	23.3
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.30	22.29	22.20	23.3
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.20	22.25	22.20	23.3
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.30	22.27	22.28	23.3
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.27	22.24	22.21	23.3
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.21	22.21	22.29	23.3
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.25	22.27	22.21	23.3
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.27	22.21	22.27	23.3
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.24	22.26	22.28	23.3
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.20	22.30	22.27	23.3



<FR1 n77_HPUE_Ant 2_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		22.08		23.3
100	PI/2 BPSK	1	137		21.75		
100	PI/2 BPSK	1	271		21.64		
100	PI/2 BPSK	135	0		21.67		23.3
100	PI/2 BPSK	135	69		21.67		23.3
100	PI/2 BPSK	135	138		21.61		23.3
100	PI/2 BPSK	270	0		21.65		
100	QPSK	1	1		22.02		23.3
100	QPSK	1	137		21.68		
100	QPSK	1	271		21.64		
100	QPSK	135	0		21.62		23.3
100	QPSK	135	69		21.61		
100	QPSK	135	138		21.56		
100	QPSK	270	0		21.64		23.3
100	16QAM	1	1		22.02		23.3
100	64QAM	1	1		21.99		23.3
100	256QAM	1	1		20.77		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.99	21.98	22.01	23.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.99	21.92	21.95	23.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.96	21.91	21.93	23.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.02	21.90	21.98	23.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.94	21.91	21.91	23.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.93	21.90	22.01	23.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.00	21.97	21.92	23.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.99	21.90	21.96	23.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.93	21.91	21.98	23.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.97	21.98	21.95	23.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.00	21.90	21.99	23.3



<FR1 n77_Ant 5_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	15.06	15.11	15.07	16.3
100	PI/2 BPSK	1	137	14.67	14.73	14.71	
100	PI/2 BPSK	1	271	14.39	14.41	14.35	
100	PI/2 BPSK	135	0	14.82	14.90	14.79	16.3
100	PI/2 BPSK	135	69	14.83	14.91	14.80	16.3
100	PI/2 BPSK	135	138	14.37	14.40	14.38	16.3
100	PI/2 BPSK	270	0	14.64	14.66	14.63	
100	QPSK	1	1	15.04	15.09	15.10	16.3
100	QPSK	1	137	14.76	14.73	14.66	
100	QPSK	1	271	14.40	14.38	14.31	
100	QPSK	135	0	14.96	14.94	14.93	16.3
100	QPSK	135	69	14.71	14.76	14.69	
100	QPSK	135	138	14.36	14.39	14.42	
100	QPSK	270	0	14.53	14.59	14.60	16.3
100	16QAM	1	1	15.10	15.09	15.10	16.3
100	64QAM	1	1	15.03	15.03	14.97	16.3
100	256QAM	1	1	15.01	15.06	15.01	16.3
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	14.96	14.97	14.97	16.3
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	15.01	15.05	14.97	16.3
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	15.02	14.98	15.04	16.3
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	15.00	15.06	14.97	16.3
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	15.05	15.06	15.02	16.3
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	15.02	15.06	15.04	16.3
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	15.06	14.96	15.01	16.3
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	15.03	14.97	15.05	16.3
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	14.98	15.03	15.00	16.3
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	14.98	15.03	14.98	16.3
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	14.97	14.99	15.03	16.3



<FR1 n77_Ant 5_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		15.28		16.3
100	PI/2 BPSK	1	137		14.90		
100	PI/2 BPSK	1	271		14.82		
100	PI/2 BPSK	135	0		14.89		16.3
100	PI/2 BPSK	135	69		14.90		16.3
100	PI/2 BPSK	135	138		14.87		16.3
100	PI/2 BPSK	270	0		14.88		
100	QPSK	1	1		15.25		16.3
100	QPSK	1	137		14.82		
100	QPSK	1	271		14.81		
100	QPSK	135	0		14.86		16.3
100	QPSK	135	69		14.85		
100	QPSK	135	138		14.82		
100	QPSK	270	0		14.88		16.3
100	16QAM	1	1		15.27		16.3
100	64QAM	1	1		15.16		16.3
100	256QAM	1	1		15.22		16.3
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.19	15.14	15.19	16.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	15.13	15.16	15.12	16.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	15.10	15.16	15.11	16.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	15.16	15.12	15.12	16.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	15.14	15.16	15.11	16.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	15.16	15.18	15.15	16.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	15.20	15.18	15.13	16.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	15.20	15.14	15.11	16.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	15.18	15.13	15.17	16.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	15.16	15.18	15.14	16.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	15.20	15.11	15.11	16.3



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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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	10.97	11.05	11.02	12.1
100	PI/2 BPSK	1	137	10.65	10.70	10.71	
100	PI/2 BPSK	1	271	10.39	10.34	10.28	
100	PI/2 BPSK	135	0	10.77	10.84	10.70	12.1
100	PI/2 BPSK	135	69	10.74	10.90	10.75	12.1
100	PI/2 BPSK	135	138	10.37	10.34	10.34	12.1
100	PI/2 BPSK	270	0	10.56	10.61	10.62	
100	QPSK	1	1	10.94	10.99	11.06	12.1
100	QPSK	1	137	10.74	10.66	10.65	
100	QPSK	1	271	10.34	10.34	10.23	
100	QPSK	135	0	10.93	10.84	10.88	12.1
100	QPSK	135	69	10.65	10.75	10.67	
100	QPSK	135	138	10.29	10.30	10.42	
100	QPSK	270	0	10.45	10.56	10.54	12.1
100	16QAM	1	1	11.03	11.07	11.06	12.1
100	64QAM	1	1	10.99	10.97	10.87	12.1
100	256QAM	1	1	11.00	11.05	11.00	12.1
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	10.95	10.97	10.97	12.1
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	10.97	11.01	10.94	12.1
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	10.94	10.95	10.96	12.1
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	10.98	10.97	10.92	12.1
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	10.95	11.00	10.94	12.1
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	10.97	10.96	10.99	12.1
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	10.96	10.89	10.97	12.1
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	11.02	10.94	11.03	12.1
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	10.92	10.96	10.92	12.1
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	10.96	10.99	10.94	12.1
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	10.88	10.94	10.97	12.1



<FR1 n77_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		11.26		12.1
100	PI/2 BPSK	1	137		10.80		
100	PI/2 BPSK	1	271		10.75		
100	PI/2 BPSK	135	0		10.82		12.1
100	PI/2 BPSK	135	69		10.89		12.1
100	PI/2 BPSK	135	138		10.80		12.1
100	PI/2 BPSK	270	0		10.86		
100	QPSK	1	1		11.22		12.1
100	QPSK	1	137		10.80		
100	QPSK	1	271		10.76		
100	QPSK	135	0		10.76		12.1
100	QPSK	135	69		10.80		
100	QPSK	135	138		10.78		
100	QPSK	270	0		10.87		12.1
100	16QAM	1	1		11.22		12.1
100	64QAM	1	1		11.16		12.1
100	256QAM	1	1		11.13		12.1
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	11.11	11.10	11.11	12.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	11.12	11.07	11.05	12.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	11.01	11.13	11.02	12.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	11.09	11.02	11.02	12.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	11.07	11.10	11.04	12.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	11.16	11.13	11.14	12.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	11.13	11.08	11.07	12.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	11.13	11.07	11.07	12.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	11.08	11.10	11.14	12.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	11.10	11.10	11.06	12.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	11.16	11.01	11.10	12.1



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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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.21	19.24	19.20	19.7
100	PI/2 BPSK	1	137	18.84	18.89	18.84	
100	PI/2 BPSK	1	271	18.53	18.60	18.53	
100	PI/2 BPSK	135	0	19.00	19.00	18.99	19.7
100	PI/2 BPSK	135	69	19.03	19.01	18.96	19.7
100	PI/2 BPSK	135	138	18.51	18.51	18.51	19.7
100	PI/2 BPSK	270	0	18.77	18.76	18.79	
100	QPSK	1	1	19.20	19.22	19.21	19.7
100	QPSK	1	137	18.81	18.88	18.85	
100	QPSK	1	271	18.54	18.59	18.59	
100	QPSK	135	0	18.94	18.97	18.98	19.7
100	QPSK	135	69	18.91	18.98	19.01	
100	QPSK	135	138	18.53	18.60	18.60	
100	QPSK	270	0	18.70	18.70	18.63	19.7
100	16QAM	1	1	19.14	19.21	19.15	19.7
100	64QAM	1	1	19.14	19.20	19.20	19.7
100	256QAM	1	1	19.09	19.16	19.17	19.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.16	19.18	19.02	19.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.15	19.19	19.01	19.7
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.09	19.15	19.02	19.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.16	19.22	19.10	19.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.14	19.15	19.11	19.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.18	19.20	19.06	19.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.17	19.19	19.10	19.7
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.18	19.22	19.06	19.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.14	19.20	19.08	19.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.10	19.16	19.01	19.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.15	19.16	19.09	19.7



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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		19.38		19.7
100	PI/2 BPSK	1	137		18.98		
100	PI/2 BPSK	1	271		18.83		
100	PI/2 BPSK	135	0		18.96		19.7
100	PI/2 BPSK	135	69		18.97		19.7
100	PI/2 BPSK	135	138		18.95		19.7
100	PI/2 BPSK	270	0		18.95		
100	QPSK	1	1		19.31		19.7
100	QPSK	1	137		18.97		
100	QPSK	1	271		18.76		
100	QPSK	135	0		18.99		19.7
100	QPSK	135	69		18.98		
100	QPSK	135	138		18.93		
100	QPSK	270	0		18.98		19.7
100	16QAM	1	1		19.31		19.7
100	64QAM	1	1		19.29		19.7
100	256QAM	1	1		19.26		19.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.11	19.28	19.15	19.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.10	19.26	19.17	19.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.17	19.24	19.13	19.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.16	19.30	19.17	19.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.16	19.23	19.18	19.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.13	19.24	19.19	19.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.12	19.30	19.09	19.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.16	19.25	19.10	19.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.13	19.21	19.12	19.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.17	19.23	19.18	19.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.11	19.21	19.15	19.7



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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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.10	23.16	23.11	24.6
100	PI/2 BPSK	1	137	22.83	22.83	22.83	
100	PI/2 BPSK	1	271	22.62	22.65	22.68	
100	PI/2 BPSK	135	0	22.85	22.90	22.85	24.6
100	PI/2 BPSK	135	69	22.86	22.91	22.89	24.6
100	PI/2 BPSK	135	138	22.60	22.61	22.60	24.6
100	PI/2 BPSK	270	0	22.66	22.71	22.67	
100	QPSK	1	1	23.12	23.14	23.13	24.6
100	QPSK	1	137	22.76	22.79	22.76	
100	QPSK	1	271	22.60	22.61	22.63	
100	QPSK	135	0	22.81	22.84	22.84	24.6
100	QPSK	135	69	22.79	22.84	22.79	
100	QPSK	135	138	22.65	22.60	22.62	
100	QPSK	270	0	22.71	22.72	22.71	24.0
100	16QAM	1	1	23.06	23.12	23.08	24.0
100	64QAM	1	1	22.38	22.40	22.35	22.5
100	256QAM	1	1	20.38	20.41	20.40	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.06	23.04	23.09	24.6
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.01	23.07	23.06	24.6
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.02	23.04	23.09	24.6
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.10	23.04	23.04	24.6
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.00	23.05	23.02	24.6
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.01	23.10	23.06	24.6
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.00	23.07	23.06	24.6
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.01	23.07	23.08	24.6
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.07	23.03	23.10	24.6
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.05	23.00	23.11	24.6
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.00	23.07	23.10	24.6



<FR1 n77_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		23.30		24.6
100	PI/2 BPSK	1	137		22.96		
100	PI/2 BPSK	1	271		22.82		
100	PI/2 BPSK	135	0		22.99		24.6
100	PI/2 BPSK	135	69		23.00		24.6
100	PI/2 BPSK	135	138		22.97		24.6
100	PI/2 BPSK	270	0		23.01		
100	QPSK	1	1		23.22		24.6
100	QPSK	1	137		22.98		
100	QPSK	1	271		22.81		
100	QPSK	135	0		23.00		24.6
100	QPSK	135	69		22.98		
100	QPSK	135	138		22.99		
100	QPSK	270	0		22.95		24.0
100	16QAM	1	1		23.22		24.0
100	64QAM	1	1		22.40		22.5
100	256QAM	1	1		20.40		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.14	23.08	23.05	24.6
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.15	23.11	23.05	24.6
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.12	23.16	23.01	24.6
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.13	23.14	23.07	24.6
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.09	23.07	22.99	24.6
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.10	23.06	23.00	24.6
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.10	23.06	23.06	24.6
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.15	23.11	23.05	24.6
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.10	23.07	23.03	24.6
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.07	23.15	23.08	24.6
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.15	23.14	23.08	24.6



<FR1 n77_Ant 5_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.08	21.16	21.11	22.2
100	PI/2 BPSK	1	137	20.80	20.82	20.81	
100	PI/2 BPSK	1	271	20.60	20.57	20.66	
100	PI/2 BPSK	135	0	20.75	20.89	20.75	22.2
100	PI/2 BPSK	135	69	20.76	20.90	20.79	22.2
100	PI/2 BPSK	135	138	20.59	20.57	20.58	22.2
100	PI/2 BPSK	270	0	20.63	20.69	20.63	
100	QPSK	1	1	21.04	21.07	21.09	22.2
100	QPSK	1	137	20.74	20.78	20.67	
100	QPSK	1	271	20.60	20.56	20.62	
100	QPSK	135	0	20.78	20.74	20.81	22.2
100	QPSK	135	69	20.77	20.81	20.77	
100	QPSK	135	138	20.60	20.53	20.56	
100	QPSK	270	0	20.71	20.70	20.70	22.2
100	16QAM	1	1	20.96	21.07	21.00	22.2
100	64QAM	1	1	20.83	20.82	20.77	22.2
100	256QAM	1	1	20.28	20.37	20.31	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.05	21.06	21.02	22.2
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.07	21.15	21.03	22.2
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.03	21.10	21.01	22.2
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.02	21.06	21.03	22.2
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.08	21.06	21.03	22.2
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.07	21.13	21.10	22.2
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.01	21.15	21.07	22.2
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.10	21.11	21.02	22.2
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.09	21.09	21.05	22.2
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.07	21.11	21.01	22.2
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.04	21.06	21.08	22.2



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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		21.22		22.2
100	PI/2 BPSK	1	137		20.88		
100	PI/2 BPSK	1	271		20.81		
100	PI/2 BPSK	135	0		20.89		22.2
100	PI/2 BPSK	135	69		20.93		22.2
100	PI/2 BPSK	135	138		20.93		22.2
100	PI/2 BPSK	270	0		20.96		
100	QPSK	1	1		21.13		22.2
100	QPSK	1	137		20.93		
100	QPSK	1	271		20.72		
100	QPSK	135	0		20.96		22.2
100	QPSK	135	69		20.98		
100	QPSK	135	138		20.96		
100	QPSK	270	0		20.88		22.2
100	16QAM	1	1		21.16		22.2
100	64QAM	1	1		20.90		22.2
100	256QAM	1	1		20.35		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.12	21.04	20.99	22.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.10	21.02	20.97	22.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.06	21.00	20.97	22.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.06	21.01	21.05	22.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.12	21.05	20.99	22.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.10	20.98	21.04	22.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.08	21.08	20.95	22.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.09	21.07	20.99	22.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.11	21.07	21.00	22.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.08	21.05	20.98	22.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.13	21.06	21.05	22.2



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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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.27	22.37	22.29	23.7
100	PI/2 BPSK	1	137	21.89	21.98	21.88	
100	PI/2 BPSK	1	271	21.75	21.70	21.71	
100	PI/2 BPSK	135	0	21.92	21.99	21.98	23.7
100	PI/2 BPSK	135	69	22.00	22.00	22.00	23.7
100	PI/2 BPSK	135	138	21.73	21.77	21.72	23.7
100	PI/2 BPSK	270	0	21.78	21.85	21.81	
100	QPSK	1	1	22.30	22.36	22.29	23.7
100	QPSK	1	137	21.85	21.92	21.86	
100	QPSK	1	271	21.72	21.71	21.73	
100	QPSK	135	0	21.91	21.99	21.90	23.7
100	QPSK	135	69	21.85	21.94	21.86	
100	QPSK	135	138	21.73	21.72	21.73	
100	QPSK	270	0	21.70	21.79	21.77	23.7
100	16QAM	1	1	21.94	21.99	21.96	23.7
100	64QAM	1	1	21.91	21.94	21.88	22.7
100	256QAM	1	1	19.94	19.97	19.90	20.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.25	22.32	22.22	23.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.26	22.33	22.26	23.7
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.22	22.35	22.21	23.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.18	22.30	22.19	23.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.21	22.29	22.19	23.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.19	22.30	22.23	23.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.25	22.29	22.23	23.7
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.18	22.33	22.19	23.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.20	22.34	22.25	23.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.17	22.35	22.27	23.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.26	22.32	22.22	23.7



<FR1 n77_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		22.19		23.7
100	PI/2 BPSK	1	137		21.91		
100	PI/2 BPSK	1	271		21.71		
100	PI/2 BPSK	135	0		22.00		23.7
100	PI/2 BPSK	135	69		21.90		23.7
100	PI/2 BPSK	135	138		21.80		23.7
100	PI/2 BPSK	270	0		21.82		
100	QPSK	1	1		22.17		23.7
100	QPSK	1	137		21.82		
100	QPSK	1	271		21.71		
100	QPSK	135	0		22.00		23.7
100	QPSK	135	69		21.83		
100	QPSK	135	138		21.79		
100	QPSK	270	0		21.72		23.7
100	16QAM	1	1		21.85		23.7
100	64QAM	1	1		21.82		22.7
100	256QAM	1	1		19.84		20.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.15	22.12	22.11	23.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.12	22.06	22.12	23.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.08	22.11	22.11	23.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.07	22.09	22.06	23.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.13	22.12	22.16	23.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.08	22.15	22.15	23.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.08	22.07	22.12	23.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.12	22.12	22.12	23.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.07	22.10	22.09	23.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.17	22.15	22.16	23.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.09	22.12	22.13	23.7



<FR1 n77_Ant 6_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	656000	662000	22.9
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.27	22.37	22.29	
100	PI/2 BPSK	1	137	21.89	21.98	21.88	22.9
100	PI/2 BPSK	1	271	21.75	21.70	21.71	
100	PI/2 BPSK	135	0	21.92	21.99	21.98	22.9
100	PI/2 BPSK	135	69	22.00	22.00	22.00	22.9
100	PI/2 BPSK	135	138	21.73	21.77	21.72	22.9
100	PI/2 BPSK	270	0	21.78	21.85	21.81	
100	QPSK	1	1	22.30	22.36	22.29	22.9
100	QPSK	1	137	21.85	21.92	21.86	
100	QPSK	1	271	21.72	21.71	21.73	
100	QPSK	135	0	21.91	21.99	21.90	22.9
100	QPSK	135	69	21.85	21.94	21.86	
100	QPSK	135	138	21.73	21.72	21.73	22.9
100	QPSK	270	0	21.70	21.79	21.77	
100	16QAM	1	1	21.94	21.99	21.96	22.9
100	64QAM	1	1	21.91	21.94	21.88	22.7
100	256QAM	1	1	19.94	19.97	19.90	20.7
Channel				649668	656000	662332	22.9
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.25	22.32	22.22	22.9
Channel				649334	656000	662666	22.9
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.26	22.33	22.26	22.9
Channel				649000	656000	663000	22.9
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.22	22.35	22.21	22.9
Channel				648668	656000	663332	22.9
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.18	22.30	22.19	22.9
Channel				648334	656000	663666	22.9
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.21	22.29	22.19	22.9
Channel				648000	656000	664000	22.9
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.19	22.30	22.23	22.9
Channel				647668	656000	664332	22.9
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.25	22.29	22.23	22.9
Channel				647500	656000	664500	22.9
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.18	22.33	22.19	22.9
Channel				647334	656000	664666	22.9
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.20	22.34	22.25	22.9
Channel				647168	656000	664832	22.9
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.17	22.35	22.27	22.9
Channel				647000	656000	665000	22.9
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.26	22.32	22.22	22.9



<FR1 n77_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		22.19		22.9
100	PI/2 BPSK	1	137		21.91		
100	PI/2 BPSK	1	271		21.71		
100	PI/2 BPSK	135	0		22.00		22.9
100	PI/2 BPSK	135	69		21.90		22.9
100	PI/2 BPSK	135	138		21.80		22.9
100	PI/2 BPSK	270	0		21.82		
100	QPSK	1	1		22.17		22.9
100	QPSK	1	137		21.82		
100	QPSK	1	271		21.71		
100	QPSK	135	0		22.00		22.9
100	QPSK	135	69		21.83		
100	QPSK	135	138		21.79		
100	QPSK	270	0		21.72		22.9
100	16QAM	1	1		21.85		22.9
100	64QAM	1	1		21.82		22.7
100	256QAM	1	1		19.84		20.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.15	22.12	22.11	22.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.12	22.06	22.12	22.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.08	22.11	22.11	22.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.07	22.09	22.06	22.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.13	22.12	22.16	22.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.08	22.15	22.15	22.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.08	22.07	22.12	22.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.12	22.12	22.12	22.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.07	22.10	22.09	22.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.17	22.15	22.16	22.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.09	22.12	22.13	22.9



<FR1 n77_Ant 6_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.69	17.73	17.70	18.8
100	PI/2 BPSK	1	137	17.20	17.28	17.18	
100	PI/2 BPSK	1	271	16.86	16.80	16.82	
100	PI/2 BPSK	135	0	17.33	17.37	17.37	18.8
100	PI/2 BPSK	135	69	17.35	17.35	17.29	18.8
100	PI/2 BPSK	135	138	16.83	16.80	16.82	18.8
100	PI/2 BPSK	270	0	17.12	17.16	17.11	
100	QPSK	1	1	17.61	17.68	17.66	18.8
100	QPSK	1	137	17.63	17.65	17.63	
100	QPSK	1	271	17.56	17.65	17.58	
100	QPSK	135	0	17.69	17.74	17.70	18.8
100	QPSK	135	69	17.62	17.65	17.63	
100	QPSK	135	138	17.59	17.60	17.53	
100	QPSK	270	0	17.60	17.61	17.51	18.8
100	16QAM	1	1	17.63	17.64	17.58	18.8
100	64QAM	1	1	17.60	17.61	17.54	18.8
100	256QAM	1	1	17.57	17.67	17.64	18.8
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.66	17.71	17.65	18.8
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.59	17.68	17.63	18.8
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.69	17.66	17.69	18.8
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.60	17.66	17.68	18.8
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.59	17.71	17.65	18.8
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.63	17.65	17.62	18.8
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	17.60	17.68	17.65	18.8
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	17.66	17.71	17.67	18.8
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.65	17.71	17.63	18.8
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.59	17.71	17.70	18.8
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.69	17.66	17.68	18.8



<FR1 n77_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		17.72		18.8
100	PI/2 BPSK	1	137		17.34		
100	PI/2 BPSK	1	271		17.13		
100	PI/2 BPSK	135	0		17.47		18.8
100	PI/2 BPSK	135	69		17.34		18.8
100	PI/2 BPSK	135	138		17.28		18.8
100	PI/2 BPSK	270	0		17.31		
100	QPSK	1	1		17.65		18.8
100	QPSK	1	137		17.32		
100	QPSK	1	271		17.11		
100	QPSK	135	0		17.37		18.8
100	QPSK	135	69		17.33		
100	QPSK	135	138		17.18		
100	QPSK	270	0		17.23		18.8
100	16QAM	1	1		17.67		18.8
100	64QAM	1	1		17.71		18.8
100	256QAM	1	1		17.70		18.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.60	17.64	17.61	18.8
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.60	17.55	17.60	18.8
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.66	17.60	17.56	18.8
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.60	17.50	17.64	18.8
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.67	17.51	17.59	18.8
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.62	17.50	17.56	18.8
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.62	17.55	17.61	18.8
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	17.59	17.53	17.56	18.8
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.67	17.59	17.55	18.8
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.69	17.57	17.63	18.8
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.66	17.52	17.64	18.8



<FR1 n77_Ant 6_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.29	20.30	20.25	21.1
100	PI/2 BPSK	1	137	19.90	19.95	19.90	
100	PI/2 BPSK	1	271	19.86	19.92	19.92	
100	PI/2 BPSK	135	0	19.88	19.92	19.90	21.1
100	PI/2 BPSK	135	69	19.89	19.93	19.92	21.1
100	PI/2 BPSK	135	138	19.88	19.90	19.89	21.1
100	PI/2 BPSK	270	0	19.93	19.91	19.93	
100	QPSK	1	1	20.24	20.26	20.25	21.1
100	QPSK	1	137	19.84	19.89	19.92	
100	QPSK	1	271	19.88	19.88	19.83	
100	QPSK	135	0	19.87	19.85	19.83	21.1
100	QPSK	135	69	19.84	19.91	19.86	
100	QPSK	135	138	19.81	19.86	19.87	
100	QPSK	270	0	19.88	19.89	19.85	21.1
100	16QAM	1	1	20.21	20.23	20.30	21.1
100	64QAM	1	1	20.25	20.22	20.22	21.1
100	256QAM	1	1	19.88	19.91	19.85	20.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.25	20.28	20.30	21.1
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.23	20.21	20.29	21.1
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.06	20.03	20.00	21.1
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.27	20.28	20.28	21.1
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.23	20.21	20.24	21.1
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.26	20.24	20.29	21.1
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.21	20.29	20.30	21.1
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.29	20.25	20.24	21.1
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.22	20.22	20.22	21.1
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.23	20.30	20.25	21.1
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.23	20.26	20.28	21.1



<FR1 n77_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		20.19		21.1
100	PI/2 BPSK	1	137		19.91		
100	PI/2 BPSK	1	271		19.90		
100	PI/2 BPSK	135	0		19.98		21.1
100	PI/2 BPSK	135	69		19.87		21.1
100	PI/2 BPSK	135	138		19.81		21.1
100	PI/2 BPSK	270	0		19.87		
100	QPSK	1	1		20.18		21.1
100	QPSK	1	137		19.92		
100	QPSK	1	271		19.95		
100	QPSK	135	0		20.00		21.1
100	QPSK	135	69		19.87		
100	QPSK	135	138		19.82		
100	QPSK	270	0		19.86		21.1
100	16QAM	1	1		20.18		21.1
100	64QAM	1	1		20.18		21.1
100	256QAM	1	1		19.82		20.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.12	20.13	20.08	21.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.15	20.11	20.11	21.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.13	20.17	20.08	21.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.17	20.11	20.17	21.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.13	20.12	20.13	21.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.09	20.17	20.12	21.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.13	20.12	20.11	21.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.14	20.10	20.08	21.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.16	20.13	20.13	21.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.09	20.11	20.10	21.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.08	20.07	20.17	21.1



<FR1 n77_Ant 6_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.29	20.30	20.25	20.3
100	PI/2 BPSK	1	137	19.90	19.95	19.90	
100	PI/2 BPSK	1	271	19.86	19.92	19.92	
100	PI/2 BPSK	135	0	19.88	19.92	19.90	20.3
100	PI/2 BPSK	135	69	19.89	19.93	19.92	20.3
100	PI/2 BPSK	135	138	19.88	19.90	19.89	20.3
100	PI/2 BPSK	270	0	19.93	19.91	19.93	
100	QPSK	1	1	20.24	20.26	20.25	20.3
100	QPSK	1	137	19.84	19.89	19.92	
100	QPSK	1	271	19.88	19.88	19.83	
100	QPSK	135	0	19.87	19.85	19.83	20.3
100	QPSK	135	69	19.84	19.91	19.86	
100	QPSK	135	138	19.81	19.86	19.87	
100	QPSK	270	0	19.88	19.89	19.85	20.3
100	16QAM	1	1	20.21	20.23	20.30	20.3
100	64QAM	1	1	20.25	20.22	20.22	20.3
100	256QAM	1	1	19.88	19.91	19.85	20.3
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.25	20.28	20.30	20.3
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.23	20.21	20.29	20.3
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.06	20.03	20.00	20.3
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.27	20.28	20.28	20.3
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.23	20.21	20.24	20.3
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.26	20.24	20.29	20.3
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.21	20.29	20.30	20.3
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.29	20.25	20.24	20.3
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.22	20.22	20.22	20.3
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.23	20.30	20.25	20.3
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.23	20.26	20.28	20.3



<FR1 n77_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		20.19		20.3
100	PI/2 BPSK	1	137		19.91		
100	PI/2 BPSK	1	271		19.90		
100	PI/2 BPSK	135	0		19.98		20.3
100	PI/2 BPSK	135	69		19.87		20.3
100	PI/2 BPSK	135	138		19.81		20.3
100	PI/2 BPSK	270	0		19.87		
100	QPSK	1	1		20.18		20.3
100	QPSK	1	137		19.92		
100	QPSK	1	271		19.95		
100	QPSK	135	0		20.00		20.3
100	QPSK	135	69		19.87		
100	QPSK	135	138		19.82		
100	QPSK	270	0		19.86		20.3
100	16QAM	1	1		20.18		20.3
100	64QAM	1	1		20.18		20.3
100	256QAM	1	1		19.82		20.3
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.12	20.13	20.08	20.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.15	20.11	20.11	20.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.13	20.17	20.08	20.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.17	20.11	20.17	20.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.13	20.12	20.13	20.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.09	20.17	20.12	20.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.13	20.12	20.11	20.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.14	20.10	20.08	20.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.16	20.13	20.13	20.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.09	20.11	20.10	20.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.08	20.07	20.17	20.3



<FR1 n77_HPUE_Ant 6_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.22	25.40	25.22	26.7
100	PI/2 BPSK	1	137	24.82	24.90	24.86	
100	PI/2 BPSK	1	271	24.80	24.80	24.79	
100	PI/2 BPSK	135	0	25.00	25.04	25.01	26.7
100	PI/2 BPSK	135	69	24.85	25.05	24.98	26.7
100	PI/2 BPSK	135	138	24.70	24.71	24.70	26.7
100	PI/2 BPSK	270	0	24.80	24.79	24.75	
100	QPSK	1	1	25.12	25.20	25.13	26.7
100	QPSK	1	137	24.81	24.82	24.75	
100	QPSK	1	271	24.74	24.79	24.73	
100	QPSK	135	0	25.05	25.11	25.10	26.7
100	QPSK	135	69	24.84	24.84	24.81	
100	QPSK	135	138	24.72	24.71	24.71	
100	QPSK	270	0	24.74	24.74	24.73	26.3
100	16QAM	1	1	25.02	25.02	25.01	26.3
100	64QAM	1	1	23.94	23.98	23.98	24.8
100	256QAM	1	1	21.99	22.01	22.01	22.8
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.21	25.21	25.16	26.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.22	25.16	25.22	26.7
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.14	25.24	25.12	26.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.21	25.20	25.18	26.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.21	25.19	25.12	26.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.16	25.20	25.22	26.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.20	25.17	25.16	26.7
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.14	25.15	25.17	26.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.15	25.23	25.19	26.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.12	25.17	25.17	26.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.16	25.22	25.20	26.7



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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		25.11		26.7
100	PI/2 BPSK	1	137		24.85		
100	PI/2 BPSK	1	271		24.72		
100	PI/2 BPSK	135	0		24.90		26.7
100	PI/2 BPSK	135	69		24.92		26.7
100	PI/2 BPSK	135	138		24.79		26.7
100	PI/2 BPSK	270	0		24.80		
100	QPSK	1	1		25.04		26.7
100	QPSK	1	137		24.85		
100	QPSK	1	271		24.80		
100	QPSK	135	0		24.88		26.7
100	QPSK	135	69		24.87		
100	QPSK	135	138		24.74		
100	QPSK	270	0		24.77		26.3
100	16QAM	1	1		25.07		26.3
100	64QAM	1	1		23.83		24.8
100	256QAM	1	1		21.88		22.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.98	24.99	25.05	26.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.98	25.03	25.02	26.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.04	25.04	25.05	26.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.98	24.99	25.00	26.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.96	25.04	25.07	26.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.06	25.01	25.06	26.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.97	25.01	24.99	26.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.98	25.01	25.04	26.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.01	24.99	25.01	26.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.00	24.99	25.00	26.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.98	25.05	25.03	26.7



<FR1 n77_HPUE_Ant 6_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.22	25.40	25.22	25.9
100	PI/2 BPSK	1	137	24.82	24.90	24.86	
100	PI/2 BPSK	1	271	24.80	24.80	24.79	
100	PI/2 BPSK	135	0	25.00	25.04	25.01	25.9
100	PI/2 BPSK	135	69	24.85	25.05	24.98	25.9
100	PI/2 BPSK	135	138	24.70	24.71	24.70	25.9
100	PI/2 BPSK	270	0	24.80	24.79	24.75	
100	QPSK	1	1	25.12	25.20	25.13	25.9
100	QPSK	1	137	24.81	24.82	24.75	
100	QPSK	1	271	24.74	24.79	24.73	
100	QPSK	135	0	25.05	25.11	25.10	25.9
100	QPSK	135	69	24.84	24.84	24.81	
100	QPSK	135	138	24.72	24.71	24.71	
100	QPSK	270	0	24.74	24.74	24.73	25.9
100	16QAM	1	1	25.02	25.02	25.01	25.9
100	64QAM	1	1	23.94	23.98	23.98	24.8
100	256QAM	1	1	21.99	22.01	22.01	22.8
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.21	25.21	25.16	25.9
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.22	25.16	25.22	25.9
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.14	25.24	25.12	25.9
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.21	25.20	25.18	25.9
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.21	25.19	25.12	25.9
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.16	25.20	25.22	25.9
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.20	25.17	25.16	25.9
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.14	25.15	25.17	25.9
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.15	25.23	25.19	25.9
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.12	25.17	25.17	25.9
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.16	25.22	25.20	25.9



<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		25.11		25.9
100	PI/2 BPSK	1	137		24.85		
100	PI/2 BPSK	1	271		24.72		
100	PI/2 BPSK	135	0		24.90		25.9
100	PI/2 BPSK	135	69		24.92		25.9
100	PI/2 BPSK	135	138		24.79		25.9
100	PI/2 BPSK	270	0		24.80		
100	QPSK	1	1		25.04		25.9
100	QPSK	1	137		24.85		
100	QPSK	1	271		24.80		
100	QPSK	135	0		24.88		25.9
100	QPSK	135	69		24.87		
100	QPSK	135	138		24.74		
100	QPSK	270	0		24.77		25.9
100	16QAM	1	1		25.07		25.9
100	64QAM	1	1		23.83		24.8
100	256QAM	1	1		21.88		22.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.98	24.99	25.05	25.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.98	25.03	25.02	25.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.04	25.04	25.05	25.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.98	24.99	25.00	25.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.96	25.04	25.07	25.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.06	25.01	25.06	25.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.97	25.01	24.99	25.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.98	25.01	25.04	25.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.01	24.99	25.01	25.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.00	24.99	25.00	25.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.98	25.05	25.03	25.9



<FR1 n77_HPUE_Ant 6_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.30	20.35	20.34	21.8
100	PI/2 BPSK	1	137	19.91	19.95	19.89	
100	PI/2 BPSK	1	271	19.85	19.91	19.92	
100	PI/2 BPSK	135	0	20.01	19.99	19.95	21.8
100	PI/2 BPSK	135	69	20.03	20.00	20.02	21.8
100	PI/2 BPSK	135	138	19.84	19.81	19.81	21.8
100	PI/2 BPSK	270	0	19.85	19.85	19.80	
100	QPSK	1	1	20.28	20.33	20.30	21.8
100	QPSK	1	137	19.92	19.95	19.88	
100	QPSK	1	271	19.83	19.90	19.88	
100	QPSK	135	0	20.20	20.18	20.17	21.8
100	QPSK	135	69	19.88	19.95	19.88	
100	QPSK	135	138	19.89	19.90	19.86	
100	QPSK	270	0	19.91	19.91	19.88	21.8
100	16QAM	1	1	20.27	20.31	20.32	21.8
100	64QAM	1	1	20.28	20.27	20.29	21.8
100	256QAM	1	1	19.95	20.00	19.94	21.8
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.25	20.33	20.25	21.8
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.27	20.31	20.31	21.8
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.22	20.25	20.28	21.8
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.26	20.24	20.32	21.8
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.26	20.29	20.29	21.8
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.30	20.27	20.25	21.8
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.22	20.32	20.32	21.8
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.30	20.29	20.30	21.8
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.27	20.30	20.34	21.8
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.23	20.25	20.33	21.8
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.27	20.30	20.34	21.8



<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		21.8
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.24		21.8
100	PI/2 BPSK	1	137		19.93		
100	PI/2 BPSK	1	271		19.91		
100	PI/2 BPSK	135	0		19.98		21.8
100	PI/2 BPSK	135	69		19.99		21.8
100	PI/2 BPSK	135	138		19.90		21.8
100	PI/2 BPSK	270	0		19.87		
100	QPSK	1	1		20.17		21.8
100	QPSK	1	137		19.91		
100	QPSK	1	271		19.84		
100	QPSK	135	0		19.91		21.8
100	QPSK	135	69		20.00		
100	QPSK	135	138		19.88		
100	QPSK	270	0		19.85		21.8
100	16QAM	1	1		20.20		21.8
100	64QAM	1	1		20.23		21.8
100	256QAM	1	1		20.22		21.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.16	20.23	20.21	21.8
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.23	20.20	20.22	21.8
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.22	20.22	20.22	21.8
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.20	20.23	20.15	21.8
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.19	20.15	20.14	21.8
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.13	20.16	20.18	21.8
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.22	20.19	20.13	21.8
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.22	20.16	20.15	21.8
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.14	20.13	20.16	21.8
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.14	20.19	20.21	21.8
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.13	20.16	20.15	21.8



<FR1 n77_HPUE_Ant 6_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.24	23.30	23.27	24.1
100	PI/2 BPSK	1	137	22.93	22.95	22.98	
100	PI/2 BPSK	1	271	22.84	22.91	22.93	
100	PI/2 BPSK	135	0	22.98	23.00	23.01	24.1
100	PI/2 BPSK	135	69	22.99	23.02	23.01	24.1
100	PI/2 BPSK	135	138	22.84	22.81	22.83	24.1
100	PI/2 BPSK	270	0	22.85	22.83	22.81	
100	QPSK	1	1	23.30	23.29	23.27	24.1
100	QPSK	1	137	22.98	22.97	22.93	
100	QPSK	1	271	22.81	22.84	22.86	
100	QPSK	135	0	22.98	22.96	22.98	24.1
100	QPSK	135	69	22.90	22.96	22.95	
100	QPSK	135	138	22.81	22.80	22.86	
100	QPSK	270	0	22.81	22.81	22.81	24.1
100	16QAM	1	1	23.24	23.30	23.26	24.1
100	64QAM	1	1	23.25	23.29	23.24	24.1
100	256QAM	1	1	22.00	22.01	22.03	22.8
Channel				649668	656000		Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	-6000	
90	PI/2 BPSK	1	1	23.19	23.25	23.25	24.1
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.19	23.28	23.21	24.1
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.24	23.26	23.25	24.1
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.14	23.30	23.19	24.1
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.20	23.26	23.17	24.1
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.17	23.30	23.22	24.1
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.21	23.29	23.19	24.1
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.20	23.26	23.27	24.1
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.21	23.28	23.26	24.1
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.17	23.20	23.18	24.1
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.23	23.26	23.23	24.1



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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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.22		24.1
100	PI/2 BPSK	1	137		22.88		
100	PI/2 BPSK	1	271		22.82		
100	PI/2 BPSK	135	0		22.99		24.1
100	PI/2 BPSK	135	69		23.00		24.1
100	PI/2 BPSK	135	138		22.83		24.1
100	PI/2 BPSK	270	0		22.88		
100	QPSK	1	1		23.15		24.1
100	QPSK	1	137		22.90		
100	QPSK	1	271		22.84		
100	QPSK	135	0		22.95		24.1
100	QPSK	135	69		22.96		
100	QPSK	135	138		22.81		
100	QPSK	270	0		22.82		24.1
100	16QAM	1	1		23.21		24.1
100	64QAM	1	1		23.19		24.1
100	256QAM	1	1		21.91		22.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.16	23.14	23.20	24.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.15	23.14	23.19	24.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.16	23.12	23.11	24.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.18	23.13	23.18	24.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.17	23.13	23.17	24.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.20	23.19	23.19	24.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.14	23.15	23.12	24.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.13	23.21	23.17	24.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.11	23.21	23.13	24.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.13	23.19	23.15	24.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.19	23.19	23.15	24.1



<FR1 n77_HPUE_Ant 6_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	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.24	23.30	23.27	23.3
100	PI/2 BPSK	1	137	22.93	22.95	22.98	
100	PI/2 BPSK	1	271	22.84	22.91	22.93	
100	PI/2 BPSK	135	0	22.98	23.00	23.01	23.3
100	PI/2 BPSK	135	69	22.99	23.02	23.01	23.3
100	PI/2 BPSK	135	138	22.84	22.81	22.83	23.3
100	PI/2 BPSK	270	0	22.85	22.83	22.81	
100	QPSK	1	1	23.30	23.29	23.27	23.3
100	QPSK	1	137	22.98	22.97	22.93	
100	QPSK	1	271	22.81	22.84	22.86	
100	QPSK	135	0	22.98	22.96	22.98	23.3
100	QPSK	135	69	22.90	22.96	22.95	
100	QPSK	135	138	22.81	22.80	22.86	
100	QPSK	270	0	22.81	22.81	22.81	23.3
100	16QAM	1	1	23.24	23.30	23.26	23.3
100	64QAM	1	1	23.25	23.29	23.24	23.3
100	256QAM	1	1	22.00	22.01	22.03	22.8
Channel				649668	656000		Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	-6000	
90	PI/2 BPSK	1	1	23.19	23.25	23.25	23.3
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.19	23.28	23.21	23.3
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.24	23.26	23.25	23.3
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.14	23.30	23.19	23.3
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.20	23.26	23.17	23.3
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.17	23.30	23.22	23.3
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.21	23.29	23.19	23.3
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.20	23.26	23.27	23.3
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.21	23.28	23.26	23.3
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.17	23.20	23.18	23.3
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.23	23.26	23.23	23.3



<FR1 n77_HPUE_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		23.22		23.3
100	PI/2 BPSK	1	137		22.88		
100	PI/2 BPSK	1	271		22.82		
100	PI/2 BPSK	135	0		22.99		23.3
100	PI/2 BPSK	135	69		23.00		23.3
100	PI/2 BPSK	135	138		22.83		23.3
100	PI/2 BPSK	270	0		22.88		
100	QPSK	1	1		23.15		23.3
100	QPSK	1	137		22.90		
100	QPSK	1	271		22.84		
100	QPSK	135	0		22.95		23.3
100	QPSK	135	69		22.96		
100	QPSK	135	138		22.81		
100	QPSK	270	0		22.82		23.3
100	16QAM	1	1		23.21		23.3
100	64QAM	1	1		23.19		23.3
100	256QAM	1	1		21.91		22.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.16	23.14	23.20	23.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.15	23.14	23.19	23.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.16	23.12	23.11	23.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.18	23.13	23.18	23.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.17	23.13	23.17	23.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.20	23.19	23.19	23.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.14	23.15	23.12	23.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.13	23.21	23.17	23.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.11	23.21	23.13	23.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.13	23.19	23.15	23.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.19	23.19	23.15	23.3



WLAN 2.4GHz Power index 1

SISO Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	12.85	14.00	98.62
		6	2437	12.85	14.00	
		11	2462	12.75	14.00	
		12	2467	12.95	14.00	
		13	2472	12.85	14.00	

SISO Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	12.75	14.00	98.97
		6	2437	12.75	14.00	
		11	2462	12.75	14.00	
		12	2467	12.85	14.00	
		13	2472	12.75	14.00	

Mode	Channel	Frequency (MHz)	MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		
			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	12.55	14.00	12.85	14.00	15.71	17.0	93.46
	6	2437	12.65	14.00	12.85	14.00	15.76	17.0	
	11	2462	12.05	14.00	13.15	14.00	15.65	17.0	
	12	2467	12.00	12.50	12.45	12.50	15.24	15.5	
	13	2472	3.90	4.00	3.95	4.00	6.94	7.0	
802.11n-HT20 MCS0	1	2412	Not required	14.00	Not required	14.00	Not required	17.0	Not required
	6	2437		14.00		17.0			
	11	2462		14.00		17.0			
	12	2467		12.50		12.50		15.5	
	13	2472		5.50		5.50		8.5	
802.11ac-VHT20 MCS0	1	2412		14.00		14.00		17.0	
	6	2437		14.00		14.00		17.0	
	11	2462		14.00		14.00		17.0	
	12	2467		12.50		12.50		15.5	
	13	2472		5.50		5.50		8.5	
802.11ax-HE20 MCS0	1	2412		14.00		14.00		17.0	
	6	2437		14.00		14.00		17.0	
	11	2462		14.00		14.00		17.0	
	12	2467		12.50		12.50		15.5	
	13	2472		5.50		5.50		8.5	



WLAN 2.4GHz Power index 2

SISO Ant 3						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.75	16.00	98.97
		6	2437	14.75	16.00	
		11	2462	14.75	16.00	
		12	2467	14.85	16.00	
		13	2472	14.75	16.00	
	802.11g 6Mbps	1	2412	Not required	16.00	Not required
		6	2437		16.00	
		11	2462		16.00	
		12	2467		12.50	
		13	2472		4.00	
	802.11n-HT20 MCS0	1	2412		16.00	
		6	2437		16.00	
		11	2462		16.00	
		12	2467		12.50	
		13	2472		5.50	
	802.11ac-VHT20 MCS0	1	2412	16.00		
		6	2437	16.00		
		11	2462	16.00		
		12	2467	12.50		
		13	2472	5.50		
802.11ax-HE20 MCS0	1	2412	16.00			
	6	2437	16.00			
	11	2462	16.00			
	12	2467	12.50			
	13	2472	5.50			



WLAN 2.4GHz Power index 3

SISO Ant 4						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	10.25	10.50	98.62
		6	2437	10.25	10.50	
		11	2462	10.35	10.50	
		12	2467	10.25	10.50	
		13	2472	10.25	10.50	

SISO Ant 3						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	10.25	10.50	98.97
		6	2437	10.45	10.50	
		11	2462	10.35	10.50	
		12	2467	10.25	10.50	
		13	2472	10.45	10.50	

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		Duty Cycle %
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11g 6Mbps	1	2412	10.15	10.50	10.35	10.50	13.26	13.5	93.46
		6	2437	10.35	10.50	10.15	10.50	13.26	13.5	
		11	2462	8.75	10.50	10.35	10.50	12.63	13.5	
		12	2467	8.75	10.50	10.15	10.50	12.52	13.5	
		13	2472	3.90	4.00	3.95	4.00	6.94	7.0	
	802.11n-HT20 MCS0	1	2412	Not required	10.50	10.50	10.50	10.50	13.5	13.5
		6	2437							
		11	2462							
		12	2467							
		13	2472							
	802.11ac-VHT20 MCS0	1	2412	Not required	10.50	Not required	10.50	Not required	13.5	Not required
		6	2437							
		11	2462							
		12	2467							
		13	2472							
	802.11ax-HE20 MCS0	1	2412	Not required	10.50	Not required	10.50	Not required	13.5	Not required
6		2437								
11		2462								
12		2467								
13		2472								



WLAN 2.4GHz Power index 4

SISO Ant 3						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	10.25	10.50	98.97
		6	2437	10.45	10.50	
		11	2462	10.35	10.50	
		12	2467	10.25	10.50	
		13	2472	10.45	10.50	
	802.11g 6Mbps	1	2412	Not required	10.50	Not required
		6	2437		10.50	
		11	2462		10.50	
		12	2467		10.50	
		13	2472		4.00	
	802.11n-HT20 MCS0	1	2412	10.50		
		6	2437	10.50		
		11	2462	10.50		
		12	2467	10.50		
		13	2472	5.50		
	802.11ac-VHT20 MCS0	1	2412	10.50		
		6	2437	10.50		
		11	2462	10.50		
		12	2467	10.50		
		13	2472	5.50		
802.11ax-HE20 MCS0	1	2412	10.50			
	6	2437	10.50			
	11	2462	10.50			
	12	2467	10.50			
	13	2472	5.50			



WLAN 2.4GHz Power index 5

SISO Ant 4						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.80	21.00	98.62
		6	2437	20.60	21.00	
		11	2462	20.80	21.00	
		12	2467	20.80	21.00	
		13	2472	20.60	21.00	

SISO Ant 3						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.75	21.00	98.97
		6	2437	20.95	21.00	
		11	2462	20.85	21.00	
		12	2467	20.85	21.00	
		13	2472	20.95	21.00	

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		Duty Cycle %
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11g 6Mbps	1	2412	17.40	17.50	16.85	17.50	20.14	20.5	93.46
		6	2437	21.00	21.00	20.05	21.00	23.56	24.0	
		11	2462	15.80	16.50	16.45	16.50	19.15	19.5	
		12	2467	12.00	12.50	12.45	12.50	15.24	15.5	
		13	2472	3.90	4.00	3.95	4.00	6.94	7.0	
	802.11n-HT20 MCS0	1	2412	Not required	18.00	Not required	18.00	Not required	21.0	Not required
		6	2437		20.00		20.00		23.0	
		11	2462		16.00		16.00		19.0	
		12	2467		12.50		12.50		15.5	
		13	2472		5.50		5.50		8.5	
	802.11ac-VHT20 MCS0	1	2412	Not required	18.00	Not required	18.00	Not required	21.0	Not required
		6	2437		20.00		20.00		23.0	
		11	2462		12.50		12.50		15.5	
		12	2467		5.50		5.50		8.5	
		13	2472		5.50		5.50		8.5	
	802.11ax-HE20 MCS0	1	2412	Not required	18.00	Not required	18.00	Not required	21.0	Not required
		6	2437		20.00		20.00		23.0	
		11	2462		16.00		16.00		19.0	
		12	2467		12.50		12.50		15.5	
		13	2472		5.50		5.50		8.5	



WLAN 2.4GHz Power index 6

SISO Ant 3						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.75	21.00	98.97
		6	2437	20.95	21.00	
		11	2462	20.85	21.00	
		12	2467	20.85	21.00	
		13	2472	20.95	21.00	
	802.11g 6Mbps	1	2412	Not required	17.50	Not required
		6	2437		21.00	
		11	2462		16.50	
		12	2467		12.50	
		13	2472		4.00	
	802.11n-HT20 MCS0	1	2412		18.00	
		6	2437		20.00	
		11	2462		16.00	
		12	2467		12.50	
		13	2472		5.50	
	802.11ac-VHT20 MCS0	1	2412		18.00	
		6	2437		20.00	
		11	2462		16.00	
		12	2467		12.50	
		13	2472		5.50	
802.11ax-HE20 MCS0	1	2412	18.00			
	6	2437	20.00			
	11	2462	16.00			
	12	2467	12.50			
	13	2472	5.50			



WLAN 2.4GHz Power index 7

SISO Ant 4						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	16.85	17.00	98.62
		6	2437	16.75	17.00	
		11	2462	16.85	17.00	
		12	2467	16.85	17.00	
		13	2472	16.95	17.00	

SISO Ant 3						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	16.85	17.00	98.97
		6	2437	16.95	17.00	
		11	2462	16.85	17.00	
		12	2467	16.95	17.00	
		13	2472	16.85	17.00	

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	SISO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		Duty Cycle %
				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	16.85	17.00	16.75	17.00	19.81	20.0	93.46
		6	2437	16.75	17.00	16.55	17.00	19.66	20.0	
		11	2462	15.80	16.50	16.45	16.50	19.15	19.5	
		12	2467	12.00	12.50	12.45	12.50	15.24	15.5	
		13	2472	3.90	4.00	3.95	4.00	6.94	7.0	
	802.11n-HT20 MCS0	1	2412	Not required	17.00	17.00	17.00	17.00	20.0	20.0
		6	2437							
		11	2462							
		12	2467							
		13	2472							
	802.11ac-VHT20 MCS0	1	2412	Not required	16.00	Not required	16.00	Not required	19.0	Not required
		6	2437							
		11	2462							
		12	2467							
		13	2472							
	802.11ax-HE20 MCS0	1	2412	Not required	17.00	17.00	17.00	17.00	20.0	20.0
		6	2437							
		11	2462							
		12	2467							
		13	2472							



WLAN 2.4GHz Power index 8

SISO Ant 3						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.85	17.00	98.97
		6	2437	16.95	17.00	
		11	2462	16.85	17.00	
		12	2467	16.95	17.00	
		13	2472	16.85	17.00	
	802.11g 6Mbps	1	2412	Not required	17.00	Not required
		6	2437		17.00	
		11	2462		16.50	
		12	2467		12.50	
		13	2472		4.00	
	802.11n-HT20 MCS0	1	2412		17.00	
		6	2437		17.00	
		11	2462		16.00	
		12	2467		12.50	
		13	2472		5.50	
	802.11ac-VHT20 MCS0	1	2412	17.00		
		6	2437	17.00		
		11	2462	16.00		
		12	2467	12.50		
		13	2472	5.50		
802.11ax-HE20 MCS0	1	2412	17.00			
	6	2437	17.00			
	11	2462	16.00			
	12	2467	12.50			
	13	2472	5.50			



WLAN 5.2GHz Power index 1

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	13.60	14.00	93.60	13.90	14.00	13.80	14.00	16.86	17.0	93.46	
		40	5200	17.40	18.00		17.40	18.00	17.30	18.00	20.80	21.0		
		44	5220	18.50	19.00		18.70	19.00	19.00	19.00	21.86	22.0		
		48	5240	16.00	16.50		16.00	16.50	16.40	16.50	19.21	19.5		
	802.11n-HT20 MCS0	36	5180	Not required	12.00	Not required	Not required	14.00	14.00	14.00	14.00	Not required	17.0	Not required
		40	5200					17.50	17.50	17.50	17.50		20.5	
		44	5220					18.50	18.50	18.50	18.50		21.5	
		48	5240					16.00	16.00	16.00	16.00		19.0	
	802.11n-HT40 MCS0	38	5190					12.00	12.00	12.00	12.00		15.0	
		46	5230					17.00	17.00	17.00	17.00		20.0	
	802.11ac-VHT20 MCS0	36	5180					14.00	14.00	14.00	14.00		17.0	
		40	5200					17.50	17.50	17.50	17.50		20.5	
		44	5220					18.50	18.50	18.50	18.50		21.5	
	802.11ac-VHT40 MCS0	48	5240					16.00	16.00	16.00	16.00		19.0	
		38	5190					12.00	12.00	12.00	12.00		15.0	
		46	5230					17.00	17.00	17.00	17.00		20.0	
	802.11ac-VHT80 MCS0	42	5210					12.50	12.50	12.50	12.50		15.5	
	802.11ax-HE20 MCS0	36	5180					14.00	14.00	14.00	14.00		17.0	
		40	5200					17.50	17.50	17.50	17.50		20.5	
		44	5220					18.50	18.50	18.50	18.50		21.5	
48		5240	16.00					16.00	16.00	16.00	19.0			
802.11ax-HE40 MCS0	38	5190	12.00					12.00	12.00	12.00	15.0			
	46	5230	17.00					17.00	17.00	17.00	20.0			
802.11ax-HE80 MCS0	42	5210	12.50					12.50	12.50	12.50	15.5			



WLAN 5.2GHz Power index 2

SISO Ant 4								
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not required	14.00	Not required		
		40	5200		17.00			
		44	5220		17.00			
		48	5240		16.50			
	802.11n-HT20 MCS0	36	5180		14.00			
		40	5200		17.00			
		44	5220		17.00			
		48	5240		16.00			
	802.11n-HT40 MCS0	38	5190		12.00			
		46	5230		17.00			
	802.11ac-VHT20 MCS0	36	5180		14.00			
		40	5200		17.00			
		44	5220		17.00			
		48	5240		16.00			
	802.11ac-VHT40 MCS0	38	5190		11.00		12.00	87.1
		46	5230		16.70		17.00	
	802.11ac-VHT80 MCS0	42	5210		Not required		12.50	Not required
	802.11ax-HE20 MCS0	36	5180				14.00	
		40	5200				17.00	
		44	5220				17.00	
48		5240	16.00					
802.11ax-HE40 MCS0	38	5190	12.00					
	46	5230	17.00					
802.11ax-HE80 MCS0	42	5210	12.50					



WLAN 5.2GHz Power index 3

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	12.00	Not required	Not required	12.00	Not required	12.00	Not required	15.0	Not required
		40	5200		12.00			12.00		15.0			
		44	5220		12.00			12.00		15.0			
		48	5240		12.00			12.00		15.0			
	802.11n-HT20 MCS0	36	5180		12.00			12.00		15.0			
		40	5200		12.00			12.00		15.0			
		44	5220		12.00			12.00		15.0			
		48	5240		12.00			12.00		15.0			
	802.11n-HT40 MCS0	38	5190		12.00			12.00		15.0			
		46	5230		12.00			12.00		15.0			
	802.11ac-VHT20 MCS0	36	5180		12.00			12.00		15.0			
		40	5200		12.00			12.00		15.0			
		44	5220		12.00			12.00		15.0			
	802.11ac-VHT40 MCS0	38	5190		12.00			12.00		15.0			
		46	5230		12.00			12.00		15.0			
	802.11ac-VHT80 MCS0	42	5210		12.00			12.00		15.0			
	802.11ax-HE20 MCS0	36	5180		12.00			12.00		15.0			
		40	5200		12.00			12.00		15.0			
		44	5220		12.00			12.00		15.0			
		48	5240		12.00			12.00		15.0			
802.11ax-HE40 MCS0	38	5190	12.00	12.00	15.0								
	46	5230	12.00	12.00	15.0								
802.11ax-HE80 MCS0	42	5210	12.00	12.00	15.0								



WLAN 5.2GHz Power index 4

SISO Ant 4						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not required	13.00	Not required
		40	5200		13.00	
		44	5220		13.00	
		48	5240		13.00	
	802.11n-HT20 MCS0	36	5180		13.00	
		40	5200		13.00	
		44	5220		13.00	
		48	5240		13.00	
	802.11n-HT40 MCS0	38	5190		12.00	
		46	5230		13.00	
	802.11ac-VHT20 MCS0	36	5180		13.00	
		40	5200		13.00	
		44	5220		13.00	
	802.11ac-VHT40 MCS0	38	5190		12.00	
		46	5230		13.00	
	802.11ac-VHT80 MCS0	42	5210		12.50	
	802.11ax-HE20 MCS0	36	5180		13.00	
		40	5200		13.00	
		44	5220		13.00	
		48	5240		13.00	
802.11ax-HE40 MCS0	38	5190	12.00			
	46	5230	13.00			
802.11ax-HE80 MCS0	42	5210	12.50			



WLAN 5.2GHz Power index 5

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	13.60	14.00	93.60	13.90	14.00	13.80	14.00	16.86	17.0	93.46	
		40	5200	17.40	18.00		17.40	18.00	17.30	18.00	20.80	21.0		
		44	5220	18.50	19.00		18.70	19.00	19.00	19.00	21.86	22.0		
		48	5240	16.00	16.50		16.00	16.50	16.40	16.50	19.21	19.5		
	802.11n-HT20 MCS0	36	5180	Not required	14.00	Not required	Not required	14.00	Not required	Not required	Not required	Not required	Not required	17.0
		40	5200		17.50			17.50						20.5
		44	5220		18.50			18.50						21.5
		48	5240		16.00			16.00						19.0
	802.11n-HT40 MCS0	38	5190		12.00			12.00						15.0
		46	5230		17.00			17.00						20.0
	802.11ac-VHT20 MCS0	36	5180		14.00			14.00						17.0
		40	5200		17.50			17.50						20.5
		44	5220		18.50			18.50						21.5
		48	5240		16.00			16.00						19.0
	802.11ac-VHT40 MCS0	38	5190		12.00			12.00						15.0
		46	5230		17.00			17.00						20.0
	802.11ac-VHT80 MCS0	42	5210		12.50			12.50						15.5
	802.11ax-HE20 MCS0	36	5180		14.00			14.00						17.0
		40	5200		17.50			17.50						20.5
		44	5220		18.50			18.50						21.5
48		5240	16.00		16.00			19.0						
802.11ax-HE40 MCS0	38	5190	12.00		12.00			15.0						
	46	5230	17.00		17.00			20.0						
802.11ax-HE80 MCS0	42	5210	12.50		12.50			15.5						



WLAN 5.2GHz Power index 6

SISO Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	13.60	14.00	93.60
		40	5200	17.40	18.00	
		44	5220	18.50	19.00	
		48	5240	16.00	16.50	
	802.11n-HT20 MCS0	36	5180	Not required	14.00	Not required
		40	5200		17.50	
		44	5220		18.50	
		48	5240		16.00	
	802.11n-HT40 MCS0	38	5190		12.00	
		46	5230		17.00	
	802.11ac-VHT20 MCS0	36	5180		14.00	
		40	5200		17.50	
44		5220	18.50			
48		5240	16.00			
802.11ac-VHT40 MCS0	38	5190	12.00			
	46	5230	17.00			
802.11ac-VHT80 MCS0	42	5210	12.50			
802.11ax-HE20 MCS0	36	5180	14.00			
	40	5200	17.50			
	44	5220	18.50			
	48	5240	16.00			
802.11ax-HE40 MCS0	38	5190	12.00			
	46	5230	17.00			
802.11ax-HE80 MCS0	42	5210	12.50			



WLAN 5.2GHz Power index 7

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	13.60	14.00	93.60	13.90	14.00	13.80	14.00	16.86	17.0	93.46	
		40	5200	17.40	18.00		17.40	18.00	17.30	18.00	20.80	21.0		
		44	5220	18.50	19.00		18.70	19.00	19.00	19.00	21.86	22.0		
		48	5240	16.00	16.50		16.00	16.50	16.40	16.50	19.21	19.5		
	802.11n-HT20 MCS0	36	5180	Not required	14.00	Not required	Not required	14.00	Not required	Not required	Not required	Not required	Not required	17.0
		40	5200		17.50			17.50						20.5
		44	5220		18.50			18.50						21.5
		48	5240		16.00			16.00						19.0
	802.11n-HT40 MCS0	38	5190		12.00			12.00						15.0
		46	5230		17.00			17.00						20.0
	802.11ac-VHT20 MCS0	36	5180		14.00			14.00						17.0
		40	5200		17.50			17.50						20.5
		44	5220		18.50			18.50						21.5
		48	5240		16.00			16.00						19.0
	802.11ac-VHT40 MCS0	38	5190		12.00			12.00						15.0
		46	5230		17.00			17.00						20.0
	802.11ac-VHT80 MCS0	42	5210		12.50			12.50						15.5
	802.11ax-HE20 MCS0	36	5180		14.00			14.00						17.0
		40	5200		17.50			17.50						20.5
		44	5220		18.50			18.50						21.5
48		5240	16.00		16.00			19.0						
802.11ax-HE40 MCS0	38	5190	12.00		12.00			15.0						
	46	5230	17.00		17.00			20.0						
802.11ax-HE80 MCS0	42	5210	12.50		12.50			15.5						



WLAN 5.2GHz Power index 8

SISO Ant 4						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	13.60	14.00	93.60
		40	5200	17.40	18.00	
		44	5220	18.50	19.00	
		48	5240	16.00	16.50	
	802.11n-HT20 MCS0	36	5180	Not required	14.00	Not required
		40	5200		17.50	
		44	5220		18.50	
		48	5240		16.00	
	802.11n-HT40 MCS0	38	5190		12.00	
		46	5230		17.00	
	802.11ac-VHT20 MCS0	36	5180		14.00	
		40	5200		17.50	
		44	5220		18.50	
		48	5240		16.00	
	802.11ac-VHT40 MCS0	38	5190		12.00	
		46	5230		17.00	
	802.11ac-VHT80 MCS0	42	5210		12.50	
	802.11ax-HE20 MCS0	36	5180		14.00	
		40	5200		17.50	
		44	5220		18.50	
48		5240	16.00			
802.11ax-HE40 MCS0	38	5190	12.00			
	46	5230	17.00			
802.11ax-HE80 MCS0	42	5210	12.50			



WLAN 5.2GHz Power index 9

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3				
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	13.60	14.00	93.60	13.90	14.00	13.80	14.00	16.86	17.0	93.46		
		40	5200	17.40	18.00		17.40	18.00	17.30	18.00	20.80	21.0			
		44	5220	18.50	18.50		18.30	18.50	18.20	18.50	21.26	21.5			
		48	5240	16.00	16.50		16.00	16.50	16.40	16.50	19.21	19.5			
	802.11n-HT20 MCS0	36	5180	Not required	12.00	Not required	Not required	14.00	12.00	Not required	12.00	Not required	17.0	Not required	
		40	5200					17.50					17.50		20.5
		44	5220					18.50					18.50		21.5
		48	5240					16.00					16.00		19.0
	802.11n-HT40 MCS0	38	5190					12.00					12.00		15.0
		46	5230					17.00					17.00		20.0
	802.11ac-VHT20 MCS0	36	5180					14.00					14.00		17.0
		40	5200					17.50					17.50		20.5
		44	5220					18.50					18.50		21.5
	802.11ac-VHT40 MCS0	48	5240					16.00					16.00		19.0
		38	5190					12.00					12.00		15.0
		46	5230					17.00					17.00		20.0
	802.11ac-VHT80 MCS0	42	5210					12.50					12.50		15.5
		36	5180					14.00					14.00		17.0
	802.11ax-HE20 MCS0	40	5200					17.50					17.50		20.5
		44	5220					18.50					18.50		21.5
		48	5240					16.00					16.00		19.0
		38	5190					12.00					12.00		15.0
	802.11ax-HE40 MCS0	46	5230					17.00					17.00		20.0
		42	5210					12.50					12.50		15.5



WLAN 5.3GHz Power index 1

5.3GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	18.60	19.00	93.60	18.90	19.00	18.50	19.00	21.71	22.0	93.46	
		56	5280	17.00	18.00		17.30	18.00	17.90	18.00	20.62	21.0		
		60	5300	17.10	17.50		17.30	17.50	17.10	17.50	20.21	20.5		
		64	5320	13.20	13.50		13.30	13.50	13.20	13.50	16.26	16.5		
	802.11n-HT20 MCS0	52	5260	Not required	19.00	Not required	Not required	19.00	Not required	Not required	Not required	Not required	Not required	22.0
		56	5280		17.00			17.00						20.0
		60	5300		16.50			16.50						19.5
		64	5320		14.50			14.50						17.5
	802.11n-HT40 MCS0	54	5270		16.00			16.00						19.0
		62	5310		12.00			12.00						15.0
	802.11ac-VHT20 MCS0	52	5260		19.00			19.00						22.0
		56	5280		17.00			17.00						20.0
		60	5300		16.50			16.50						19.5
	802.11ac-VHT40 MCS0	64	5320		14.50			14.50						17.5
		54	5270		16.00			16.00						19.0
	802.11ac-VHT80 MCS0	62	5310		12.00			12.00						15.0
		58	5290		12.50			12.50						15.5
	802.11ax-HE20 MCS0	52	5260		19.00			19.00						22.0
		56	5280		17.00			17.00						20.0
		60	5300		16.50			16.50						19.5
64		5320	14.50		14.50			17.5						
802.11ax-HE40 MCS0	54	5270	16.00		16.00			19.0						
	62	5310	12.00		12.00			15.0						
802.11ax-HE80 MCS0	58	5290	12.50		12.50			15.5						



WLAN 5.3GHz Power index 2

SISO Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	16.90	17.00	93.60
		56	5280	17.00	17.00	
		60	5300	16.60	17.00	
		64	5320	13.20	13.50	
	802.11n-HT20 MCS0	52	5260	Not required	17.00	Not required
		56	5280		17.00	
		60	5300		16.50	
		64	5320		14.50	
	802.11n-HT40 MCS0	54	5270		16.00	
		62	5310		12.00	
	802.11ac-VHT20 MCS0	52	5260		17.00	
		56	5280		17.00	
		60	5300		16.50	
	802.11ac-VHT40 MCS0	54	5270		16.00	
		62	5310		12.00	
	802.11ac-VHT80 MCS0	58	5290		12.50	
	802.11ax-HE20 MCS0	52	5260		17.00	
		56	5280		17.00	
		60	5300		16.50	
		64	5320		14.50	
802.11ax-HE40 MCS0	54	5270	16.00			
	62	5310	12.00			
802.11ax-HE80 MCS0	58	5290	12.50			



WLAN 5.3GHz Power index 3

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3								
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	12.00	Not required	Not required	12.00	Not required	12.00	Not required	15.0	Not required						
		56	5280		12.00			12.00		15.0									
		60	5300		12.00			12.00		15.0									
		64	5320		12.00			12.00		15.0									
	802.11n-HT20 MCS0	52	5260		12.00			12.00		15.0									
		56	5280		12.00			12.00		15.0									
		60	5300		12.00			12.00		15.0									
		64	5320		12.00			12.00		15.0									
	802.11n-HT40 MCS0	54	5270		12.00			12.00		15.0									
		62	5310		12.00			12.00		15.0									
	802.11ac-VHT20 MCS0	52	5260		12.00			12.00		15.0									
		56	5280		12.00			12.00		15.0									
		60	5300		12.00			12.00		15.0									
		64	5320		12.00			12.00		15.0									
	802.11ac-VHT40 MCS0	54	5270		12.00			12.00		15.0									
		62	5310		12.00			12.00		15.0									
	802.11ac-VHT80 MCS0	58	5290		12.00			12.00		87.10		11.90		12.00	11.30	12.00	14.62	15.0	92.70
	802.11ax-HE20 MCS0	52	5260		12.00			12.00		15.0									
		56	5280		12.00			12.00		15.0									
		60	5300		12.00			12.00		15.0									
64		5320	12.00	12.00	15.0														
802.11ax-HE40 MCS0	54	5270	12.00	12.00	15.0														
	62	5310	12.00	12.00	15.0														
802.11ax-HE80 MCS0	58	5290	12.00	12.00	15.0														



WLAN 5.3GHz Power index 4

SISO Ant 4						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	Not required	13.00	Not required
		56	5280		13.00	
		60	5300		13.00	
		64	5320		13.00	
	802.11n-HT20 MCS0	52	5260		13.00	
		56	5280		13.00	
		60	5300		13.00	
		64	5320		13.00	
	802.11n-HT40 MCS0	54	5270	12.70	13.00	87.10
		62	5310	11.80	12.00	
	802.11ac-VHT20 MCS0	52	5260	Not required	13.00	Not required
		56	5280		13.00	
		60	5300		13.00	
64		5320	13.00			
802.11ac-VHT40 MCS0	54	5270	13.00			
	62	5310	12.00			
802.11ac-VHT80 MCS0	58	5290	12.50			
802.11ax-HE20 MCS0	52	5260	13.00			
	56	5280	13.00			
	60	5300	13.00			
	64	5320	13.00			
802.11ax-HE40 MCS0	54	5270	13.00			
	62	5310	12.00			
802.11ax-HE80 MCS0	58	5290	12.50			



WLAN 5.3GHz Power index 5

				SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	18.60	19.00	93.60	18.90	19.00	18.50	19.00	21.71	22.0	93.46			
56			5280	17.00	18.00	17.30		18.00	17.90	18.00	20.62	21.0					
60			5300	17.10	17.50	17.30		17.50	17.10	17.50	20.21	20.5					
64			5320	13.20	13.50	13.30		13.50	13.20	13.50	16.26	16.5					
802.11n-HT20 MCS0		52	5260	Not required	19.00	Not required	Not required	19.00	Not required	19.00	Not required	22.0	Not required				
		56	5280		17.00			17.00		17.00		20.0					
		60	5300		16.50			16.50		16.50		19.5					
		64	5320		14.50			14.50		14.50		17.5					
802.11n-HT40 MCS0		54	5270		16.00			16.00		16.00		16.00		16.00	16.00	19.0	
		62	5310		12.00			12.00		12.00		15.0					
802.11ac-VHT20 MCS0		52	5260		19.00			19.00		19.00		19.00		19.00	19.00	22.0	
		56	5280		17.00			17.00		17.00		17.00		17.00	20.0		
		60	5300		16.50			16.50		16.50		16.50		16.50	19.5		
802.11ac-VHT40 MCS0		54	5270		16.00			16.00		16.00		16.00		16.00	16.00	19.0	
		62	5310		12.00			12.00		12.00		12.00		12.00	15.0		
802.11ac-VHT80 MCS0		58	5290		12.50			12.50		12.50		12.50		12.50	12.50	15.5	
802.11ax-HE20 MCS0		52	5260		19.00			19.00		19.00		19.00		19.00	19.00	19.00	22.0
		56	5280		17.00			17.00		17.00		17.00		17.00	17.00	20.0	
		60	5300		16.50			16.50		16.50		16.50		16.50	16.50	19.5	
		64	5320		14.50			14.50		14.50		14.50		14.50	14.50	17.5	
802.11ax-HE40 MCS0		54	5270	16.00	16.00	16.00	16.00	16.00	16.00	19.0							
		62	5310	12.00	12.00	12.00	12.00	12.00	12.00	15.0							
802.11ax-HE80 MCS0		58	5290	12.50	12.50	12.50	12.50	12.50	12.50	15.5							



WLAN 5.3GHz Power index 6

SISO Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.60	19.00	93.60
		56	5280	17.00	18.00	
		60	5300	17.10	17.50	
		64	5320	13.20	13.50	
	802.11n-HT20 MCS0	52	5260	Not required	19.00	Not required
		56	5280		17.00	
		60	5300		16.50	
		64	5320		14.50	
	802.11n-HT40 MCS0	54	5270		16.00	
		62	5310		12.00	
	802.11ac-VHT20 MCS0	52	5260		19.00	
		56	5280		17.00	
		60	5300		16.50	
	802.11ac-VHT40 MCS0	64	5320		14.50	
		54	5270		16.00	
	802.11ac-VHT80 MCS0	62	5310		12.00	
		58	5290		12.50	
	802.11ax-HE20 MCS0	52	5260		19.00	
		56	5280		17.00	
		60	5300		16.50	
64		5320	14.50			
802.11ax-HE40 MCS0	54	5270	16.00			
	62	5310	12.00			
802.11ax-HE80 MCS0	58	5290	12.50			



WLAN 5.3GHz Power index 7

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	18.60	19.00	93.60	18.90	19.00	18.50	19.00	21.71	22.0	93.46	
		56	5280	17.00	18.00		17.30	18.00	17.90	18.00	20.62	21.0		
		60	5300	17.10	17.50		17.30	17.50	17.10	17.50	20.21	20.5		
		64	5320	13.20	13.50		13.30	13.50	13.20	13.50	16.26	16.5		
	802.11n-HT20 MCS0	52	5260	Not required	19.00	Not required	Not required	19.00	Not required	Not required	19.00	Not required	22.0	Not required
		56	5280		17.00			17.00			20.0			
		60	5300		16.50			16.50			19.5			
		64	5320		14.50			14.50			17.5			
	802.11n-HT40 MCS0	54	5270		16.00			16.00			19.0			
		62	5310		12.00			12.00			15.0			
	802.11ac-VHT20 MCS0	52	5260		19.00			19.00			22.0			
		56	5280		17.00			17.00			20.0			
		60	5300		16.50			16.50			19.5			
	802.11ac-VHT40 MCS0	64	5320		14.50			14.50			17.5			
		54	5270		16.00			16.00			19.0			
	802.11ac-VHT80 MCS0	62	5310		12.00			12.00			15.0			
		58	5290		12.50			12.50			15.5			
	802.11ax-HE20 MCS0	52	5260		19.00			19.00			22.0			
		56	5280		17.00			17.00			20.0			
		60	5300		16.50			16.50			19.5			
64		5320	14.50		14.50			17.5						
802.11ax-HE40 MCS0	54	5270	16.00		16.00			19.0						
	62	5310	12.00		12.00			15.0						
802.11ax-HE80 MCS0	58	5290	12.50		12.50			15.5						



WLAN 5.3GHz Power index 8

SISO Ant 4						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	18.60	19.00	93.60
		56	5280	17.00	18.00	
		60	5300	17.10	17.50	
		64	5320	13.20	13.50	
	802.11n-HT20 MCS0	52	5260	Not required	19.00	Not required
		56	5280		17.00	
		60	5300		16.50	
		64	5320		14.50	
	802.11n-HT40 MCS0	54	5270		16.00	
		62	5310		12.00	
	802.11ac-VHT20 MCS0	52	5260		19.00	
		56	5280		17.00	
		60	5300		16.50	
	802.11ac-VHT40 MCS0	64	5320		14.50	
		54	5270		16.00	
	802.11ac-VHT80 MCS0	62	5310		12.00	
		58	5290		12.50	
	802.11ax-HE20 MCS0	52	5260		19.00	
		56	5280		17.00	
		60	5300		16.50	
64		5320	14.50			
802.11ax-HE40 MCS0	54	5270	16.00			
	62	5310	12.00			
802.11ax-HE80 MCS0	58	5290	12.50			



WLAN 5.3GHz Power index 9

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	18.60	19.00	93.60	18.90	19.00	18.50	19.00	21.71	22.0	93.46	
		56	5280	17.00	18.00		17.30	18.00	17.90	18.00	20.62	21.0		
		60	5300	17.10	17.50		17.30	17.50	17.10	17.50	20.21	20.5		
		64	5320	13.20	13.50		13.30	13.50	13.20	13.50	16.26	16.5		
	802.11n-HT20 MCS0	52	5260	Not required	19.00	Not required	Not required	19.00	Not required	Not required	Not required	Not required	Not required	22.0
		56	5280		17.00			17.00						20.0
		60	5300		16.50			16.50						19.5
		64	5320		14.50			14.50						17.5
	802.11n-HT40 MCS0	54	5270		16.00			16.00						19.0
		62	5310		12.00			12.00						15.0
	802.11ac-VHT20 MCS0	52	5260		19.00			19.00						22.0
		56	5280		17.00			17.00						20.0
		60	5300		16.50			16.50						19.5
	802.11ac-VHT40 MCS0	64	5320		14.50			14.50						17.5
		54	5270		16.00			16.00						19.0
	802.11ac-VHT80 MCS0	62	5310		12.00			12.00						15.0
		58	5290		12.50			12.50						15.5
	802.11ax-HE20 MCS0	52	5260		19.00			19.00						22.0
		56	5280		17.00			17.00						20.0
		60	5300		16.50			16.50						19.5
64		5320	14.50		14.50			17.5						
802.11ax-HE40 MCS0	54	5270	16.00		16.00			19.0						
	62	5310	12.00		12.00			15.0						
802.11ax-HE80 MCS0	58	5290	12.50		12.50			15.5						



WLAN 5.5GHz Power index 1

Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	14.00	Not required	Not required	14.00	Not required	14.00	Not required	17.0	Not required
		116	5580		16.00			16.00		19.0			
		124	5620		16.00			16.00		19.0			
		132	5660		16.00			16.00		19.0			
		144	5720		16.00			16.00		19.0			
	802.11n-HT20 MCS0	100	5500		13.50			13.50		16.5			
		116	5580		16.00			16.00		19.0			
		124	5620		16.00			16.00		19.0			
		132	5660		16.00			16.00		19.0			
		144	5720		16.00			16.00		19.0			
	802.11n-HT40 MCS0	102	5510		13.50			13.50		16.5			
		110	5550		16.00			16.00		19.0			
		126	5630		16.00			16.00		19.0			
		134	5670		16.00			16.00		19.0			
		142	5710		16.00			16.00		19.0			
	802.11ac-VHT20 MCS0	100	5500		13.50			13.50		16.5			
		116	5580		16.00			16.00		19.0			
		124	5620		16.00			16.00		19.0			
		132	5660		16.00			16.00		19.0			
		144	5720		16.00			16.00		19.0			
802.11ac-VHT40 MCS0	102	5510	13.50	13.50	16.5								
	110	5550	16.00	16.00	19.0								
	126	5630	16.00	16.00	19.0								
	134	5670	16.00	16.00	19.0								
	142	5710	16.00	16.00	19.0								
802.11ac-VHT80 MCS0	106	5530	13.10	13.50	12.80	13.50	13.00	13.50	15.91	16.5	90.00	89.90	
	122	5610	15.90	16.00	15.80	16.00	15.90	16.00	18.86	19.0			
	138	5690	15.80	16.00	15.90	16.00	15.80	16.00	18.86	19.0			
802.11ax-HE20 MCS0	100	5500	Not required	13.50	Not required	Not required	13.50	Not required	13.50	Not required	16.5	Not required	
	116	5580		16.00			16.00		19.0				
	124	5620		16.00			16.00		19.0				
	132	5660		16.00			16.00		19.0				
	144	5720		16.00			16.00		19.0				
802.11ax-HE40 MCS0	102	5510		13.50			13.50		16.5				
	110	5550		16.00			16.00		19.0				
	126	5630		16.00			16.00		19.0				
	134	5670		16.00			16.00		19.0				
	142	5710		16.00			16.00		19.0				
802.11ax-HE80 MCS0	106	5530		13.50			13.50		16.5				
	122	5610		16.00			16.00		19.0				
	138	5690		16.00			16.00		19.0				



WLAN 5.5GHz Power index 2

SISO Ant 4								
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not required	14.00	Not required		
		116	5580		17.50			
		124	5620		17.50			
		132	5660		17.50			
		144	5720		17.50			
	802.11n-HT20 MCS0	100	5500		13.50			
		116	5580		17.50			
		124	5620		17.50			
		132	5660		17.50			
		144	5720		17.50			
	802.11n-HT40 MCS0	102	5510		13.50			
		110	5550		17.00			
		126	5630		17.00			
		134	5670		17.00			
		142	5710		17.50			
	802.11ac-VHT20 MCS0	100	5500		13.50			
		116	5580		17.50			
		124	5620		17.50			
		132	5660		17.50			
		144	5720		17.50			
	802.11ac-VHT40 MCS0	102	5510		13.50			
		110	5550		17.00			
		126	5630		17.00			
		134	5670		17.00			
		142	5710		17.50			
	802.11ac-VHT80 MCS0	106	5530		13.10		13.50	90.00
		122	5610		15.90		16.00	
		138	5690		17.50		17.50	
	802.11ax-HE20 MCS0	100	5500		Not required		13.50	Not required
		116	5580				17.50	
		124	5620				17.50	
		132	5660				17.50	
		144	5720				17.50	
802.11ax-HE40 MCS0	102	5510	13.50					
	110	5550	17.00					
	126	5630	17.00					
	134	5670	17.00					
	142	5710	17.50					
802.11ax-HE80 MCS0	106	5530	13.50					
	122	5610	16.00					
	138	5690	17.50					



WLAN 5.5GHz Power index 3

5.5GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	12.00	Not required	Not required	12.00	Not required	12.00	Not required	15.0	Not required
		116	5580		12.00			12.00		15.0			
		124	5620		12.00			12.00		15.0			
		132	5660		12.00			12.00		15.0			
		144	5720		12.00			12.00		15.0			
	802.11n-HT20 MCS0	100	5500		12.00			12.00		15.0			
		116	5580		12.00			12.00		15.0			
		124	5620		12.00			12.00		15.0			
		132	5660		12.00			12.00		15.0			
		144	5720		12.00			12.00		15.0			
	802.11n-HT40 MCS0	102	5510		12.00			12.00		15.0			
		110	5550		12.00			12.00		15.0			
		126	5630		12.00			12.00		15.0			
		134	5670		12.00			12.00		15.0			
	802.11ac-VHT20 MCS0	100	5500		12.00			12.00		15.0			
		116	5580		12.00			12.00		15.0			
		124	5620		12.00			12.00		15.0			
		132	5660		12.00			12.00		15.0			
	802.11ac-VHT40 MCS0	102	5510		12.00			12.00		15.0			
		110	5550		12.00			12.00		15.0			
126		5630	12.00	12.00	15.0								
134		5670	12.00	12.00	15.0								
802.11ac-VHT80 MCS0	106	5530	11.90	12.00	90.00	11.90	12.00	11.70	12.00	14.81	15.0	89.90	
	122	5610	11.70	12.00	12.00	11.60	12.00	11.60	12.00	14.81	15.0		
	138	5690	11.80	12.00	11.80	12.00	11.60	12.00	14.71	15.0			
802.11ax-HE20 MCS0	100	5500	12.00	12.00	15.0								
	116	5580	12.00	12.00	15.0								
	124	5620	12.00	12.00	15.0								
	132	5660	12.00	12.00	15.0								
	144	5720	12.00	12.00	15.0								
802.11ax-HE40 MCS0	102	5510	12.00	12.00	15.0								
	110	5550	12.00	12.00	15.0								
	126	5630	12.00	12.00	15.0								
	134	5670	12.00	12.00	15.0								
802.11ax-HE80 MCS0	106	5530	12.00	12.00	15.0								
	122	5610	12.00	12.00	15.0								
	138	5690	12.00	12.00	15.0								



WLAN 5.5GHz Power index 4

SISO Ant 4						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	5.5GHz WLAN	802.11a 6Mbps	100	5500	Not required	13.00
116			5580	13.00		
124			5620	13.00		
132			5660	13.00		
144			5720	13.00		
802.11n-HT20 MCS0		100	5500	13.00		
		116	5580	13.00		
		124	5620	13.00		
		132	5660	13.00		
		144	5720	13.00		
802.11n-HT40 MCS0		102	5510	13.00		
		110	5550	13.00		
		126	5630	13.00		
		134	5670	13.00		
802.11ac-VHT20 MCS0		102	5510	13.00		
		110	5550	13.00		
		126	5630	13.00		
		134	5670	13.00		
802.11ac-VHT40 MCS0		102	5510	13.00		
		110	5550	13.00		
	126	5630	13.00			
	134	5670	13.00			
802.11ac-VHT80 MCS0	106	5530	12.80	13.00	90.00	
	122	5610	12.70	13.00		
	138	5690	12.80	13.00		
802.11ax-HE20 MCS0	100	5500	Not required	13.00	Not required	
	116	5580		13.00		
	124	5620		13.00		
	132	5660		13.00		
	144	5720		13.00		
802.11ax-HE40 MCS0	102	5510		13.00		
	110	5550		13.00		
	126	5630		13.00		
	134	5670		13.00		
802.11ax-HE80 MCS0	102	5510		13.00		
	110	5550		13.00		
	126	5630		13.00		
802.11ax-HE80 MCS0	106	5530		13.00		
	122	5610		13.00		
	138	5690		13.00		



WLAN 5.5GHz Power index 5

5.5GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	14.00	14.00	93.60	14.00	14.00	13.90	14.00	16.96	17.0	93.46	
		116	5580	19.00	19.50		19.40	19.50	19.10	19.50	22.26	22.5		
		124	5620	19.00	19.50		19.00	19.50	19.20	19.50	22.11	22.5		
		132	5660	19.30	19.50		19.10	19.50	19.40	19.50	22.26	22.5		
		144	5720	19.50	19.50		19.50	19.50	19.00	19.50	22.27	22.5		
802.11n-HT20 MCS0		100	5500	Not required	13.50	Not required	Not required	13.50	Not required	Not required	13.50	Not required	16.5	Not required
		116	5580		19.00			19.00			22.0			
		124	5620		19.00			19.00			22.0			
		132	5660		19.00			19.00			22.0			
		144	5720		19.00			19.00			22.0			
802.11n-HT40 MCS0		102	5510	Not required	13.50	Not required	Not required	13.50	Not required	Not required	13.50	Not required	16.5	Not required
		110	5550		17.00			17.00			20.0			
		126	5630		17.00			17.00			20.0			
		134	5670		17.00			17.00			20.0			
802.11ac-VHT20 MCS0		100	5500	Not required	13.50	Not required	Not required	13.50	Not required	Not required	13.50	Not required	16.5	Not required
		116	5580		19.00			19.00			22.0			
		124	5620		19.00			19.00			22.0			
		132	5660		19.00			19.00			22.0			
802.11ac-VHT40 MCS0		102	5510	Not required	13.50	Not required	Not required	13.50	Not required	Not required	13.50	Not required	16.5	Not required
		110	5550		17.00			17.00			20.0			
		126	5630		17.00			17.00			20.0			
		134	5670		17.00			17.00			20.0			
802.11ac-VHT80 MCS0		106	5530	Not required	13.50	Not required	Not required	13.50	Not required	Not required	13.50	Not required	16.5	Not required
		122	5610		16.00			16.00			19.0			
		138	5690		18.00			18.00			21.0			
		144	5720		19.00			19.00			22.0			
802.11ax-HE20 MCS0		100	5500	Not required	13.50	Not required	Not required	13.50	Not required	Not required	13.50	Not required	16.5	Not required
		116	5580		19.00			19.00			22.0			
		124	5620		19.00			19.00			22.0			
		132	5660		19.00			19.00			22.0			
802.11ax-HE40 MCS0		102	5510	Not required	13.50	Not required	Not required	13.50	Not required	Not required	13.50	Not required	16.5	Not required
		110	5550		17.00			17.00			20.0			
		126	5630		17.00			17.00			20.0			
		134	5670		17.00			17.00			20.0			
802.11ax-HE80 MCS0		106	5530	Not required	13.50	Not required	Not required	13.50	Not required	Not required	13.50	Not required	16.5	Not required
		122	5610		16.00			16.00			19.0			
		138	5690		18.00			18.00			21.0			

WLAN 5.5GHz Power index 6

SISO Ant 4						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00	14.00	93.60
		116	5580	19.00	19.50	
		124	5620	19.00	19.50	
		132	5660	19.30	19.50	
		144	5720	19.50	19.50	
	802.11n-HT20 MCS0	100	5500	Not required	13.50	Not required
		116	5580		19.00	
		124	5620		19.00	
		132	5660		19.00	
		144	5720		19.00	
	802.11n-HT40 MCS0	102	5510		13.50	
		110	5550		17.00	
		126	5630		17.00	
		134	5670		17.00	
	802.11ac-VHT20 MCS0	142	5710		18.00	
		100	5500		13.50	
		116	5580		19.00	
		124	5620		19.00	
	802.11ac-VHT40 MCS0	132	5660		19.00	
		144	5720		19.00	
		102	5510		13.50	
		110	5550		17.00	
	802.11ac-VHT80 MCS0	126	5630		17.00	
		134	5670		17.00	
		142	5710		18.00	
		106	5530		13.50	
	802.11ax-HE20 MCS0	122	5610		16.00	
		138	5690		18.00	
		100	5500		13.50	
		116	5580		19.00	
	802.11ax-HE40 MCS0	124	5620		19.00	
		132	5660		19.00	
		144	5720		19.00	
		102	5510		13.50	
	802.11ax-HE80 MCS0	110	5550		17.00	
		126	5630		17.00	
134		5670	17.00			
142		5710	18.00			
802.11ax-HE80 MCS0	106	5530	13.50			
	122	5610	16.00			
	138	5690	18.00			



WLAN 5.5GHz Power index 7

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	14.00	14.00	93.60	14.00	14.00	13.90	14.00	16.96	17.0	93.46	
		116	5580	19.00	19.50		19.40	19.50	19.10	19.50	22.26	22.5		
		124	5620	19.00	19.50		19.00	19.50	19.20	19.50	22.11	22.5		
		132	5660	19.30	19.50		19.10	19.50	19.40	19.50	22.26	22.5		
		144	5720	19.50	19.50		19.50	19.50	19.00	19.50	22.27	22.5		
	802.11n-HT20 MCS0	100	5500	Not required	Not required	Not required	13.50	13.50	Not required	Not required	Not required	Not required	Not required	16.5
		116	5580				19.00	19.00						22.0
		124	5620				19.00	19.00						22.0
		132	5660				19.00	19.00						22.0
		144	5720				19.00	19.00						22.0
	802.11n-HT40 MCS0	102	5510				13.50	13.50						16.5
		110	5550				17.00	17.00						20.0
		126	5630				17.00	17.00						20.0
		134	5670				17.00	17.00						20.0
	802.11ac-VHT20 MCS0	100	5500				13.50	13.50						16.5
		116	5580				19.00	19.00						22.0
		124	5620				19.00	19.00						22.0
		132	5660				19.00	19.00						22.0
	802.11ac-VHT40 MCS0	102	5510				13.50	13.50						16.5
		110	5550				17.00	17.00						20.0
		126	5630				17.00	17.00						20.0
		134	5670				17.00	17.00						20.0
	802.11ac-VHT80 MCS0	106	5530				13.50	13.50						16.5
		122	5610				16.00	16.00						19.0
		138	5690				18.00	18.00						21.0
		142	5710				18.00	18.00						21.0
	802.11ax-HE20 MCS0	100	5500				13.50	13.50						16.5
		116	5580				19.00	19.00						22.0
		124	5620				19.00	19.00						22.0
		132	5660				19.00	19.00						22.0
	802.11ax-HE40 MCS0	102	5510				13.50	13.50						16.5
		110	5550				17.00	17.00						20.0
		126	5630				17.00	17.00						20.0
		134	5670				17.00	17.00						20.0
	802.11ax-HE80 MCS0	106	5530				13.50	13.50						16.5
		122	5610				16.00	16.00						19.0
		138	5690				18.00	18.00						21.0
		142	5710				18.00	18.00						21.0



WLAN 5.5GHz Power index 8

SISO Ant 4						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00	14.00	93.60
		116	5580	18.40	18.50	
		124	5620	18.40	18.50	
		132	5660	18.30	18.50	
		144	5720	18.50	18.50	
	802.11n-HT20 MCS0	100	5500	Not required	13.50	Not required
		116	5580		18.50	
		124	5620		18.50	
		132	5660		18.50	
		144	5720		18.50	
	802.11n-HT40 MCS0	102	5510		13.50	
		110	5550		17.00	
		126	5630		17.00	
		134	5670		17.00	
	802.11ac-VHT20 MCS0	142	5710		18.00	
		100	5500		13.50	
		116	5580		18.50	
		124	5620		18.50	
	802.11ac-VHT40 MCS0	132	5660		18.50	
		144	5720		18.50	
		102	5510		13.50	
		110	5550		17.00	
	802.11ac-VHT80 MCS0	126	5630		17.00	
		134	5670		17.00	
		142	5710		18.00	
		106	5530		13.50	
	802.11ax-HE20 MCS0	122	5610		16.00	
		138	5690		18.00	
		100	5500		13.50	
		116	5580		18.50	
	802.11ax-HE40 MCS0	124	5620		18.50	
		132	5660		18.50	
		144	5720		18.50	
102		5510	13.50			
802.11ax-HE80 MCS0	110	5550	17.00			
	126	5630	17.00			
	134	5670	17.00			
	142	5710	18.00			
802.11ax-HE80 MCS0	106	5530	13.50			
	122	5610	16.00			
	138	5690	18.00			



WLAN 5.5GHz Power index 9

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	14.00	14.00	93.60	14.00	14.00	13.90	14.00	16.96	17.0	93.46	
		116	5580	19.00	19.50		19.40	19.50	19.10	19.50	22.26	22.5		
		124	5620	19.00	19.50		19.00	19.50	19.20	19.50	22.11	22.5		
		132	5660	19.30	19.50		19.10	19.50	19.40	19.50	22.26	22.5		
		144	5720	19.50	19.50		19.50	19.50	19.00	19.50	22.27	22.5		
	802.11n-HT20 MCS0	100	5500	Not required	Not required	Not required	13.50	13.50	Not required	Not required	Not required	Not required	Not required	16.5
		116	5580				19.00	19.00						22.0
		124	5620				19.00	19.00						22.0
		132	5660				19.00	19.00						22.0
		144	5720				19.00	19.00						22.0
	802.11n-HT40 MCS0	102	5510				13.50	13.50						16.5
		110	5550				17.00	17.00						20.0
		126	5630				17.00	17.00						20.0
		134	5670				17.00	17.00						20.0
	802.11ac-VHT20 MCS0	100	5500				13.50	13.50						16.5
		116	5580				19.00	19.00						22.0
		124	5620				19.00	19.00						22.0
		144	5720				19.00	19.00						22.0
	802.11ac-VHT40 MCS0	102	5510				13.50	13.50						16.5
		110	5550				17.00	17.00						20.0
126		5630	17.00				17.00	20.0						
134		5670	17.00				17.00	20.0						
802.11ac-VHT80 MCS0	106	5530	13.50				13.50	16.5						
	122	5610	16.00				16.00	19.0						
	138	5690	18.00				18.00	21.0						
	142	5710	18.00	18.00	21.0									
802.11ax-HE20 MCS0	100	5500	13.50	13.50	16.5									
	116	5580	19.00	19.00	22.0									
	124	5620	19.00	19.00	22.0									
	132	5660	19.00	19.00	22.0									
802.11ax-HE40 MCS0	102	5510	13.50	13.50	16.5									
	110	5550	17.00	17.00	20.0									
	126	5630	17.00	17.00	20.0									
	134	5670	17.00	17.00	20.0									
802.11ax-HE80 MCS0	106	5530	13.50	13.50	16.5									
	122	5610	16.00	16.00	19.0									
	138	5690	18.00	18.00	21.0									
	142	5710	18.00	18.00	21.0									



WLAN 5.8GHz Power index 1

Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not required	17.00	Not required	Not required	17.00	Not required	17.00	Not required	20.0	Not required
	157	5785		17.00			17.00		20.0			
	165	5825		17.00			17.00		20.0			
802.11n-HT20 MCS0	149	5745	Not required	17.00	Not required	Not required	17.00	Not required	17.00	Not required	20.0	Not required
	157	5785		17.00			17.00		20.0			
	165	5825		17.00			17.00		20.0			
802.11n-HT40 MCS0	151	5755	16.70	17.00	87.10	16.90	17.00	16.50	17.00	19.71	20.0	92.70
	159	5795	Not required	17.00	Not required	Not required	17.00	Not required	17.00	Not required	20.0	Not required
802.11ac-VHT20 MCS0	149	5745		17.00			17.00		20.0			
	157	5785		17.00			17.00		20.0			
802.11ac-VHT40 MCS0	151	5755	Not required	17.00	Not required	Not required	17.00	Not required	17.00	Not required	20.0	Not required
	159	5795		17.00			17.00		20.0			
802.11ac-VHT80 MCS0	155	5775	16.90	17.00	90.00	17.00	17.00	16.40	17.00	19.72	20.0	89.90
802.11ax-HE20 MCS0	149	5745	Not required	17.00	Not required	Not required	17.00	Not required	17.00	Not required	20.0	Not required
	157	5785		17.00			17.00		20.0			
	165	5825		17.00			17.00		20.0			
802.11ax-HE40 MCS0	151	5755	Not required	17.00	Not required	Not required	17.00	Not required	17.00	Not required	20.0	Not required
	159	5795		17.00			17.00		20.0			
802.11ax-HE80 MCS0	155	5775	Not required	17.00	Not required	Not required	17.00	Not required	17.00	Not required	20.0	Not required

WLAN 5.8GHz Power index 2

Mode	Channel	Frequency (MHz)	SISO Ant 4			
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	Not required	18.00	Not required	
	157	5785				
	165	5825				
802.11n-HT20 MCS0	149	5745	Not required	18.00	Not required	
	157	5785				
	165	5825				
802.11n-HT40 MCS0	151	5755	Not required	18.00	Not required	
	159	5795				
802.11ac-VHT20 MCS0	149	5745	Not required	18.00	Not required	
	157	5785				
	165	5825				
802.11ac-VHT40 MCS0	151	5755	Not required	18.00	Not required	
	159	5795				
802.11ac-VHT80 MCS0	155	5775	17.90	18.00	90.00	
802.11ax-HE20 MCS0	149	5745	Not required	18.00	Not required	
	157	5785				
	165	5825				
802.11ax-HE40 MCS0	151	5755	Not required	18.00	Not required	
	159	5795				
802.11ax-HE80 MCS0	155	5775	Not required	18.00	Not required	



WLAN 5.8GHz Power index 3

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3																															
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %																													
802.11a 6Mbps	149	5745	12.00	12.00	Not required	Not required	12.00	12.00	12.00	12.00	15.0	Not required																														
													157	5785	12.00	12.00	15.0																									
													165	5825	12.00	12.00	15.0																									
	802.11n-HT20 MCS0	149											5745	12.00	12.00	Not required	Not required	12.00	12.00	12.00	12.00	15.0	Not required																			
																								157	5785	12.00	12.00	15.0														
																								165	5825	12.00	12.00	15.0														
	802.11n-HT40 MCS0	151											5755											12.00	12.00	Not required	Not required	12.00	Not required	12.00	Not required	15.0	Not required									
																																		159	5795	12.00	12.00	15.0				
	802.11ac-VHT20 MCS0	149											5745																					12.00	12.00	Not required	Not required	12.00	12.00	12.00	12.00	15.0
157			5785	12.00	12.00	15.0																																				
165			5825	12.00	12.00	15.0																																				
802.11ac-VHT40 MCS0	151	5755	12.00	12.00	Not required	Not required	12.00	12.00	12.00	12.00	15.0	Not required																														
													159	5795	12.00	12.00	15.0																									
802.11ac-VHT80 MCS0	155	5775											12.00	12.00	90.00	12.00	12.00	11.20	12.00	14.63	15.0	89.90																				
802.11ax-HE20 MCS0	149	5745											12.00	12.00	Not required	Not required	12.00	12.00	12.00	12.00	15.0	Not required																				
																							157	5785	12.00	12.00	15.0															
																							165	5825	12.00	12.00	15.0															
802.11ax-HE40 MCS0	151	5755																					12.00	12.00	Not required	Not required	12.00	Not required	12.00	Not required	15.0	Not required										
																																	159	5795	12.00	12.00	15.0					
802.11ax-HE80 MCS0	155	5775																															12.00	12.00	Not required	Not required	12.00	12.00	Not required	15.0	Not required	

WLAN 5.8GHz Power index 4

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4																										
				Average power (dBm)	Tune-Up Limit	Duty Cycle %																								
802.11a 6Mbps	149	5745	13.50	13.50	Not required	90.00																								
							157	5785	13.50																					
							165	5825	13.50																					
	802.11n-HT20 MCS0	149					5745	13.50	13.50	Not required	90.00																			
												157	5785	13.50																
												165	5825	13.50																
	802.11n-HT40 MCS0	151					5755					13.50	13.50	Not required	90.00															
																159	5795	13.50												
	802.11ac-VHT20 MCS0	149					5745									13.50	13.50	Not required	90.00											
																				157	5785	13.50								
																				165	5825	13.50								
	802.11ac-VHT40 MCS0	151					5755													13.50	13.50	Not required	90.00							
																								159	5795	13.50				
	802.11ac-VHT80 MCS0	155					5775																	13.40	13.50	90.00				
	802.11ax-HE20 MCS0	149					5745																	13.50	13.50	Not required	90.00			
																												157	5785	13.50
																												165	5825	13.50
	802.11ax-HE40 MCS0	151					5755																					13.50	13.50	Not required
159			5795	13.50																										
802.11ax-HE80 MCS0	155	5775	13.50	13.50	Not required																									



WLAN 5.8GHz Power index 5

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps		149	5745	19.10	20.00	93.60	19.40	20.00	18.90	20.00	22.17	23.0	93.46	
		157	5785	19.10	20.00		19.40	20.00	18.60	20.00	22.03	23.0		
		165	5825	19.00	20.00		19.50	20.00	19.00	20.00	22.27	23.0		
802.11n-HT20 MCS0		149	5745	Not required	20.00	Not required	Not required	20.00	Not required	20.00	Not required	20.00	23.0	Not required
		157	5785		20.00			20.00		23.0				
		165	5825		20.00			20.00		23.0				
802.11n-HT40 MCS0	151	5755	18.00		18.00			21.0						
	159	5795	18.00		18.00			21.0						
802.11ac-VHT20 MCS0		149	5745		19.00			19.00		22.0				
		157	5785		19.00			19.00		22.0				
		165	5825		19.00			19.00		22.0				
802.11ac-VHT40 MCS0		151	5755		18.00			18.00		21.0				
		159	5795		18.00			18.00		21.0				
802.11ac-VHT80 MCS0		155	5775		18.00			18.00		21.0				
802.11ax-HE20 MCS0		149	5745		19.00			19.00		22.0				
		157	5785		19.00			19.00		22.0				
		165	5825		19.00			19.00		22.0				
802.11ax-HE40 MCS0		151	5755		18.00			18.00		21.0				
		159	5795	18.00	18.00	21.0								
802.11ax-HE80 MCS0		155	5775	18.00	18.00	21.0								

WLAN 5.8GHz Power index 6

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps		149	5745	19.10	20.00	93.60
		157	5785	19.10	20.00	
		165	5825	19.00	20.00	
802.11n-HT20 MCS0		149	5745	Not required	20.00	Not required
		157	5785		20.00	
		165	5825		20.00	
802.11n-HT40 MCS0	151	5755	18.00			
	159	5795	18.00			
802.11ac-VHT20 MCS0		149	5745		19.00	
		157	5785		19.00	
		165	5825		19.00	
802.11ac-VHT40 MCS0		151	5755		18.00	
		159	5795		18.00	
802.11ac-VHT80 MCS0		155	5775		18.00	
802.11ax-HE20 MCS0		149	5745		19.00	
		157	5785		19.00	
		165	5825		19.00	
802.11ax-HE40 MCS0		151	5755		18.00	
		159	5795	18.00		
802.11ax-HE80 MCS0		155	5775	18.00		



WLAN 5.8GHz Power index 7

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps		149	5745	19.10	20.00	93.60	19.40	20.00	18.90	20.00	22.17	23.0	93.46
		157	5785	19.10	20.00		19.40	20.00	18.60	20.00	22.03	23.0	
		165	5825	19.00	20.00		19.50	20.00	19.00	20.00	22.27	23.0	
802.11n-HT20 MCS0		149	5745	Not required	20.00	Not required	Not required	20.00	Not required	20.00	Not required	23.0	Not required
		157	5785		20.00			20.00		23.0			
		165	5825		20.00			20.00		23.0			
802.11n-HT40 MCS0	151	5755	18.00		18.00			21.0					
	159	5795	18.00		18.00			21.0					
802.11ac-VHT20 MCS0		149	5745		19.00			19.00		22.0			
		157	5785		19.00			19.00		22.0			
		165	5825		19.00			19.00		22.0			
802.11ac-VHT40 MCS0		151	5755		18.00			18.00		21.0			
		159	5795		18.00			18.00		21.0			
802.11ac-VHT80 MCS0		155	5775		18.00			18.00		21.0			
802.11ax-HE20 MCS0		149	5745		19.00			19.00		22.0			
		157	5785		19.00			19.00		22.0			
		165	5825		19.00			19.00		22.0			
802.11ax-HE40 MCS0		151	5755		18.00			18.00		21.0			
		159	5795	18.00	18.00	21.0							
802.11ax-HE80 MCS0		155	5775	18.00	18.00	21.0							

WLAN 5.8GHz Power index 8

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps		149	5745	19.10	20.00	93.60
		157	5785	19.10	20.00	
		165	5825	19.00	20.00	
802.11n-HT20 MCS0		149	5745	Not required	20.00	Not required
		157	5785		20.00	
		165	5825		20.00	
802.11n-HT40 MCS0		151	5755		18.00	
		159	5795		18.00	
802.11ac-VHT20 MCS0		149	5745		19.00	
		157	5785		19.00	
		165	5825		19.00	
802.11ac-VHT40 MCS0		151	5755		18.00	
		159	5795		18.00	
802.11ac-VHT80 MCS0		155	5775		18.00	
802.11ax-HE20 MCS0		149	5745		19.00	
		157	5785		19.00	
		165	5825		19.00	
802.11ax-HE40 MCS0		151	5755		18.00	
		159	5795	18.00		
802.11ax-HE80 MCS0		155	5775	18.00		



WLAN 5.8GHz Power index 9

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3					
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	18.40	18.50	93.60	18.40	18.50	18.40	18.50	21.41	21.5	93.46			
		157	5785	18.50	18.50		18.30	18.50	18.20	18.50	21.26	21.5				
		165	5825	18.40	18.50		18.50	18.50	18.30	18.50	21.41	21.5				
	802.11n-HT20 MCS0	149	5745	Not required	18.50	Not required	Not required	18.50	18.50	18.50	18.50	21.5	21.5	Not required		
		157	5785					18.50							18.50	21.5
		165	5825					18.50							18.50	21.5
	802.11n-HT40 MCS0	151	5755					18.00							18.00	21.0
		159	5795					18.00							18.00	21.0
	802.11ac-VHT20 MCS0	149	5745					18.50							18.50	21.5
		157	5785					18.50							18.50	21.5
		165	5825					18.50							18.50	21.5
	802.11ac-VHT40 MCS0	151	5755					18.00							18.00	21.0
		159	5795					18.00							18.00	21.0
	802.11ac-VHT80 MCS0	155	5775					18.00							18.00	21.0
	802.11ax-HE20 MCS0	149	5745					18.50							18.50	21.5
157		5785	18.50					18.50							21.5	
165		5825	18.50					18.50							21.5	
802.11ax-HE40 MCS0	151	5755	18.00					18.00							21.0	
	159	5795	18.00	18.00	21.0											
802.11ax-HE80 MCS0	155	5775	18.00	18.00	21.0											



WLAN 5.9GHz Power index 1

5.9GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3								
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required						
		173	5865		17.50			17.50		20.5									
		177	5885		17.50			17.50		20.5									
	802.11n-HT20 MCS0	169	5845		17.50			17.50		20.5									
		173	5865		17.50			17.50		20.5									
		177	5885		17.50			17.50		20.5									
	802.11n-HT40 MCS0	167	5835		17.40			17.50		87.10		17.30		17.50	17.30	17.50	20.31	20.5	92.70
		175	5875		17.40			17.50		17.40		17.50		17.20	17.50	20.31	20.5		
	802.11ac-VHT20 MCS0	169	5845		17.50			Not required		Not required		Not required		17.50	Not required	17.50	Not required	20.5	Not required
173		5865	17.50	17.50	20.5														
177		5885	17.50	17.50	20.5														
802.11ac-VHT40 MCS0	167	5835	17.50	17.50	20.5														
	175	5875	17.50	17.50	20.5														
802.11ac-VHT80 MCS0	171	5855	16.50	16.50	19.5														
802.11ax-HE20 MCS0	169	5845	17.50	Not required	Not required	Not required	17.50		Not required		17.50		Not required	20.5		Not required			
	173	5865	17.50				17.50				20.5								
	177	5885	17.50				17.50				20.5								
802.11ax-HE40 MCS0	167	5835	17.50				17.50	20.5											
	175	5875	17.50				17.50	20.5											
802.11ax-HE80 MCS0	171	5855	16.50				16.50	19.5											

WLAN 5.9GHz Power index 2

5.9GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4					
				Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.9GHz WLAN	802.11a 6Mbps	169	5845	Not required	16.00	Not required			
		173	5865						
		177	5885						
	802.11n-HT20 MCS0	169	5845						
		173	5865						
		177	5885						
	802.11n-HT40 MCS0	167	5835						
		175	5875						
	802.11ac-VHT20 MCS0	169	5845						
		173	5865						
		177	5885						
	802.11ac-VHT40 MCS0	167	5835						
		175	5875						
	802.11ac-VHT80 MCS0	171	5855				15.90	16.00	90.00
	802.11ax-HE20 MCS0	169	5845				Not required	16.00	Not required
173		5865							
177		5885							
802.11ax-HE40 MCS0	167	5835							
	175	5875							
802.11ax-HE80 MCS0	171	5855	16.00	16.00	Not required				



WLAN 5.9GHz Power index 3

5.9GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3								
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	11.50	Not required	Not required	11.50	Not required	11.50	Not required	14.5	Not required						
		173	5865		11.50			11.50		14.5									
		177	5885		11.50			11.50		14.5									
	802.11n-HT20 MCS0	169	5845		11.50			11.50		14.5									
		173	5865		11.50			11.50		14.5									
		177	5885		11.50			11.50		14.5									
	802.11n-HT40 MCS0	167	5835		11.50			11.50		14.5									
		175	5875		11.50			11.50		14.5									
	802.11ac-VHT20 MCS0	169	5845		11.50			11.50		14.5									
		173	5865		11.50			11.50		14.5									
		177	5885		11.50			11.50		14.5									
	802.11ac-VHT40 MCS0	167	5835		11.50			11.50		14.5									
		175	5875		11.50			11.50		14.5									
	802.11ac-VHT80 MCS0	171	5855		11.50			11.50		90.00		11.20		11.50	10.40	11.50	13.83	14.5	89.90
	802.11ax-HE20 MCS0	169	5845		Not required			11.50		Not required		Not required		11.50	Not required	11.50	Not required	14.5	Not required
173		5865	11.50	11.50		14.5													
177		5885	11.50	11.50		14.5													
802.11ax-HE40 MCS0	167	5835	11.50	11.50		14.5													
	175	5875	11.50	11.50		14.5													
802.11ax-HE80 MCS0	171	5855	11.50	11.50		14.5													

WLAN 5.9GHz Power index 4

5.9GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4				
				Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.9GHz WLAN	802.11a 6Mbps	169	5845	Not required	13.00	Not required		
		173	5865		13.00			
		177	5885		13.00			
	802.11n-HT20 MCS0	169	5845		13.00			
		173	5865		13.00			
		177	5885		13.00			
	802.11n-HT40 MCS0	167	5835		13.00			
		175	5875		13.00			
	802.11ac-VHT20 MCS0	169	5845		13.00			
		173	5865		13.00			
		177	5885		13.00			
	802.11ac-VHT40 MCS0	167	5835		13.00			
		175	5875		13.00			
	802.11ac-VHT80 MCS0	171	5855		12.70		13.00	90.00
	802.11ax-HE20 MCS0	169	5845		Not required		13.00	Not required
173		5865	13.00					
177		5885	13.00					
802.11ax-HE40 MCS0	167	5835	13.00					
	175	5875	13.00					
802.11ax-HE80 MCS0	171	5855	13.00					



WLAN 5.9GHz Power index 5

5.9GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps		169	5845	19.00	19.50	93.60	19.30	19.50	19.20	19.50	22.26	22.5	93.46
		173	5865	19.20	19.50		19.20	19.50	19.30	19.50	22.26	22.5	
		177	5885	18.70	19.00		18.70	19.00	18.80	19.00	21.76	22.0	
802.11n-HT20 MCS0		169	5845	Not required	19.50	Not required	Not required	19.50	Not required	19.50	Not required	22.5	Not required
		173	5865		19.50			19.50		22.5			
		177	5885		19.00			19.00		22.0			
802.11n-HT40 MCS0	167	5835	18.00		18.00			21.0					
	175	5875	18.00		18.00			21.0					
802.11ac-VHT20 MCS0	169	5845	19.00		19.00			22.0					
	173	5865	19.00		19.00			22.0					
	177	5885	19.00		19.00			22.0					
802.11ac-VHT40 MCS0	167	5835	18.00		18.00			21.0					
	175	5875	18.00		18.00			21.0					
802.11ac-VHT80 MCS0	171	5855	16.50		16.50			19.5					
802.11ax-HE20 MCS0	169	5845	19.00		19.00			22.0					
	173	5865	19.00		19.00			22.0					
	177	5885	19.00		19.00			22.0					
802.11ax-HE40 MCS0	167	5835	18.00		18.00			21.0					
	175	5875	18.00	18.00	21.0								
802.11ax-HE80 MCS0	171	5855	16.50	16.50	19.5								

WLAN 5.9GHz Power index 6

5.9GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps		169	5845	19.00	19.50	93.60
		173	5865	19.20	19.50	
		177	5885	18.70	19.00	
802.11n-HT20 MCS0		169	5845	Not required	19.50	Not required
		173	5865		19.50	
		177	5885		19.00	
802.11n-HT40 MCS0	167	5835	18.00			
	175	5875	18.00			
802.11ac-VHT20 MCS0	169	5845	19.00			
	173	5865	19.00			
	177	5885	19.00			
802.11ac-VHT40 MCS0	167	5835	18.00			
	175	5875	18.00			
802.11ac-VHT80 MCS0	171	5855	16.50			
802.11ax-HE20 MCS0	169	5845	19.00			
	173	5865	19.00			
	177	5885	19.00			
802.11ax-HE40 MCS0	167	5835	18.00			
	175	5875	18.00			
802.11ax-HE80 MCS0	171	5855	16.50			



WLAN 5.9GHz Power index 7

5.9GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps		169	5845	19.00	19.50	93.60	19.30	19.50	19.20	19.50	22.26	22.5	93.46	
		173	5865	19.20	19.50		19.20	19.50	19.30	19.50	22.26	22.5		
		177	5885	18.70	19.00		18.70	19.00	18.80	19.00	21.76	22.0		
802.11n-HT20 MCS0		169	5845	Not required	19.50	Not required	Not required	19.50	Not required	19.50	Not required	19.50	22.5	Not required
		173	5865		19.50			19.50		22.5				
		177	5885		19.00			19.00		22.0				
802.11n-HT40 MCS0	167	5835	18.00		18.00			21.0						
	175	5875	18.00		18.00			21.0						
802.11ac-VHT20 MCS0		169	5845		19.00			19.00		22.0				
		173	5865		19.00			19.00		22.0				
		177	5885		19.00			19.00		22.0				
802.11ac-VHT40 MCS0	167	5835	18.00		18.00			21.0						
	175	5875	18.00		18.00			21.0						
802.11ac-VHT80 MCS0		171	5855		16.50			16.50		19.5				
802.11ax-HE20 MCS0		169	5845		19.00			19.00		22.0				
		173	5865		19.00			19.00		22.0				
		177	5885		19.00			19.00		22.0				
802.11ax-HE40 MCS0	167	5835	18.00		18.00			21.0						
	175	5875	18.00	18.00	21.0									
802.11ax-HE80 MCS0		171	5855	16.50	16.50	19.5								

WLAN 5.9GHz Power index 8

5.9GHz WLAN	Mode	Channel	Frequency (MHz)	SISO Ant 4			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps		169	5845	19.00	19.50	93.60	
		173	5865	19.20	19.50		
		177	5885	18.70	19.00		
802.11n-HT20 MCS0		169	5845	Not required	19.50	Not required	
		173	5865		19.50		
		177	5885		19.00		
802.11n-HT40 MCS0	167	5835	18.00				
	175	5875	18.00				
802.11ac-VHT20 MCS0		169	5845		19.00		19.00
		173	5865		19.00		19.00
		177	5885		19.00		19.00
802.11ac-VHT40 MCS0	167	5835	18.00		18.00		
	175	5875	18.00		18.00		
802.11ac-VHT80 MCS0		171	5855		16.50		16.50
802.11ax-HE20 MCS0		169	5845		19.00		19.00
		173	5865		19.00		19.00
		177	5885		19.00		19.00
802.11ax-HE40 MCS0	167	5835	18.00		18.00		
	175	5875	18.00	18.00			
802.11ax-HE80 MCS0		171	5855	16.50	16.50		



WLAN 5.9GHz Power index 9

				SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		
5.9GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
		802.11a 6Mbps	169	5845	19.00	19.50	93.60	19.30	19.50	19.20	19.50	22.26	22.5
173			5865	19.20	19.50	19.20		19.50	19.30	19.50	22.26	22.5	
177			5885	18.70	19.00	18.70		19.00	18.80	19.00	21.76	22.0	
802.11n-HT20 MCS0		169	5845	Not required	19.50	Not required	Not required	19.50	Not required	19.50	Not required	22.5	Not required
		173	5865		19.50			19.50		22.5			
		177	5885		19.00			19.00		22.0			
802.11n-HT40 MCS0		167	5835		18.00			18.00		21.0			
		175	5875		18.00			18.00		21.0			
802.11ac-VHT20 MCS0		169	5845		19.00			19.00		22.0			
		173	5865		19.00			19.00		22.0			
		177	5885		19.00			19.00		22.0			
802.11ac-VHT40 MCS0		167	5835		18.00			18.00		21.0			
		175	5875		18.00			18.00		21.0			
802.11ac-VHT80 MCS0		171	5855		16.50			16.50		19.5			
802.11ax-HE20 MCS0		169	5845		19.00			19.00		22.0			
		173	5865		19.00			19.00		22.0			
		177	5885		19.00			19.00		22.0			
802.11ax-HE40 MCS0		167	5835		18.00			18.00		21.0			
	175	5875	18.00		18.00			21.0					
802.11ax-HE80 MCS0	171	5855	16.50		16.50			19.5					



WLAN 6GHz Power index 1_SP

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3												
				Average power	Tune-Up Limit	Duty Cycle %	Average power	Tune-Up Limit	Average power	Tune-Up Limit	Average power	Tune-Up Limit	Duty Cycle %										
WiFi 6E	802.11a 6Mbps	1	5955	Not required	Not required	Not required	Not required	Not required	Not required	Not required	Not required	Not required	14.00	17.0									
		57	6235										14.00		14.00	14.00	17.0						
		173	6815										15.00		15.00	15.00	18.0						
	802.11ax-HE20 MCS0	1	5955										14.00		14.00	14.00	17.0						
		57	6235										14.00		14.00	14.00	17.0						
		173	6815										15.00		15.00	15.00	18.0						
	802.11ax-HE40 MCS0	3	5965										14.00		14.00	14.00	17.0						
		59	6245										14.00		14.00	14.00	17.0						
		171	6805										15.00		15.00	15.00	18.0						
	802.11ax-HE80 MCS0	7	5985										13.30		14.00	88.20	13.50	14.00	12.70	14.00	16.13	17.0	91.15
		71	6305										13.50		14.00		13.50	14.00	13.20	14.00	16.36	17.0	
		167	6785										14.40		15.00		14.50	15.00	14.10	15.00	17.31	18.0	

WLAN 6GHz Power index 2_SP

SISO Ant 4										
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %					
WiFi 6E	802.11a 6Mbps	1	5955	Not required	Not required	Not required	14.00			
		57	6235				14.00			
		173	6815				15.00			
	802.11ax-HE20 MCS0	1	5955				14.00			
		57	6235				14.00			
		173	6815				15.00			
	802.11ax-HE40 MCS0	3	5965				14.00			
		59	6245				14.00			
		171	6805				15.00			
	802.11ax-HE80 MCS0	7	5985				13.30	14.00	88.20	
		71	6305				13.50	14.00		
		167	6785				14.40	15.00		

WLAN 6GHz Power index 3_SP

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3												
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	Not required	Not required	Not required	Not required	Not required	Not required	Not required	Not required	12.00	15.0									
		57	6235										12.00		12.00	12.00	15.0						
		173	6815										11.00		11.00	11.00	14.0						
	802.11ax-HE20 MCS0	1	5955										12.00		12.00	12.00	15.0						
		57	6235										12.00		12.00	12.00	15.0						
		173	6815										11.00		11.00	11.00	14.0						
	802.11ax-HE40 MCS0	3	5965										12.00		12.00	12.00	15.0						
		59	6245										12.00		12.00	12.00	15.0						
		171	6805										11.00		11.00	11.00	14.0						
	802.11ax-HE80 MCS0	7	5985										11.80		12.00	88.20	12.00	12.00	11.50	12.00	14.77	15.0	91.15
		71	6305										11.80		12.00		12.00	12.00	10.80	12.00	14.45	15.0	
		167	6785										11.00		11.00		11.00	11.00	10.00	11.00	13.54	14.0	

WLAN 6GHz Power index 4_SP

SISO Ant 4								
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
WiFi 6E	802.11a 6Mbps	1	5955	Not required	12.00	Not required		
		57	6235		12.00			
		173	6815		13.00			
	802.11ax-HE20 MCS0	1	5955		12.00			
		57	6235		12.00			
		173	6815		13.00			
	802.11ax-HE40 MCS0	3	5965		12.00			
		59	6245		12.00			
		171	6805		13.00			
	802.11ax-HE80 MCS0	7	5985		11.80		12.00	88.20
		71	6305		11.80		12.00	
		167	6785		13.00		13.00	

WLAN 6GHz Power index 5_SP

Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	18.40	18.50	93.30	18.50	18.50	18.00	18.50	21.27	21.5	93.46
		57	18.90	19.00		19.00	19.00	18.50	19.00	21.77	22.0	
		173	18.80	19.00		18.90	19.00	18.40	19.00	21.77	22.0	
	802.11ax-HE20 MCS0	1	18.50	Not required	18.50	Not required	18.50	Not required	18.50	Not required	21.5	Not required
		57	19.00		19.00		22.0					
		173	19.00		19.00		22.0					
	802.11ax-HE40 MCS0	3	17.00	Not required	17.00	Not required	17.00	Not required	17.00	Not required	20.0	Not required
		59	18.00		18.00		18.00		21.0			
		171	18.00		18.00		18.00		21.0			
	802.11ax-HE80 MCS0	7	16.50	Not required	16.50	Not required	16.50	Not required	16.50	Not required	19.5	Not required
		71	16.50		16.50		16.50		19.5			
		167	16.50		16.50		16.50		19.5			

WLAN 6GHz Power index 6_SP

SISO Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
WiFi 6E	802.11a 6Mbps	1	18.40	18.50	93.30	
		57	18.90	19.00		
		173	18.80	19.00		
	802.11ax-HE20 MCS0	1	18.50	Not required	18.50	Not required
		57	19.00			
		173	19.00			
	802.11ax-HE40 MCS0	3	17.00		17.00	
		59	18.00		18.00	
		171	18.00		18.00	
	802.11ax-HE80 MCS0	7	16.50		16.50	
		71	16.50		16.50	
		167	16.50		16.50	



WLAN 6GHz Power index 7_SP

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	18.40	18.50	93.30	18.50	18.50	18.00	18.50	21.27	21.5	93.46
		57	6235	18.90	19.00		19.00	19.00	18.50	19.00	21.77	22.0	
		173	6815	18.80	19.00		18.90	19.00	18.40	19.00	21.77	22.0	
	802.11ax-HE20 MCS0	1	5955	Not required	18.50	Not required	Not required	18.50	Not required	18.50	Not required	21.5	Not required
		57	6235		19.00			19.00		19.00		22.0	
		173	6815		19.00			19.00		19.00		22.0	
	802.11ax-HE40 MCS0	3	5965		17.00			17.00		20.0			
		59	6245		18.00			18.00		21.0			
		171	6805		18.00			18.00		21.0			
	802.11ax-HE80 MCS0	7	5985		16.50			16.50		19.5			
		71	6305		16.50			16.50		19.5			
		167	6785		16.50			16.50		19.5			

WLAN 6GHz Power index 8_SP

	Mode	Channel	Frequency (MHz)	SISO Ant 4		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %
WiFi 6E	802.11a 6Mbps	1	5955	18.40	18.50	93.30
		57	6235	18.90	19.00	
		173	6815	18.80	19.00	
	802.11ax-HE20 MCS0	1	5955	Not required	18.50	Not required
		57	6235		19.00	
		173	6815		19.00	
	802.11ax-HE40 MCS0	3	5965		17.00	
		59	6245		18.00	
		171	6805		18.00	
	802.11ax-HE80 MCS0	7	5985		16.50	
		71	6305		16.50	
		167	6785		16.50	

WLAN 6GHz Power index 9_SP

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	18.40	18.50	93.30	18.50	18.50	18.00	18.50	21.27	21.5	93.46
		57	6235	18.90	19.00		19.00	19.00	18.50	19.00	21.77	22.0	
		173	6815	18.80	19.00		18.90	19.00	18.40	19.00	21.77	22.0	
	802.11ax-HE20 MCS0	1	5955	Not required	18.50	Not required	Not required	18.50	Not required	18.50	Not required	21.5	Not required
		57	6235		19.00			19.00		19.00		22.0	
		173	6815		19.00			19.00		19.00		22.0	
	802.11ax-HE40 MCS0	3	5965		17.00			17.00		20.0			
		59	6245		18.00			18.00		21.0			
		171	6805		18.00			18.00		21.0			
	802.11ax-HE80 MCS0	7	5985		16.50			16.50		19.5			
		71	6305		16.50			16.50		19.5			
		167	6785		16.50			16.50		19.5			



WLAN 6GHz Power index 1_LPI

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3						
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	8.50	Not required	Not required	8.50	Not required	8.50	Not required	11.5	Not required				
		57	6235											7.00	7.00	7.00	10.0
		113	6515											8.00	8.00	8.00	11.0
		173	6815											8.00	8.00	8.00	11.0
	802.11ax-HE20 MCS0	1	5955											7.50	7.50	7.50	10.5
		57	6235											7.50	7.50	7.50	10.5
		113	6515											8.50	8.50	8.50	11.5
		173	6815											8.50	8.50	8.50	11.5
	802.11ax-HE40 MCS0	3	5965											10.50	10.50	10.50	13.5
		59	6245											10.50	10.50	10.50	13.5
		107	6485											11.50	11.50	11.50	14.5
		171	6805											11.50	11.50	11.50	14.5
		227	7085											10.50	10.50	10.50	13.5
	802.11ax-HE80 MCS0	7	5985											13.30	13.50	13.50	16.5
		71	6305											13.50	13.50	13.20	16.36
		119	6545											13.80	14.00	14.00	17.0
		167	6785											14.40	14.50	14.50	17.5
		215	7025											14.10	14.50	14.10	17.5

WLAN 6GHz Power index 2_LPI

SISO Ant 4								
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
WiFi 6E	802.11a 6Mbps	1	5955	Not required	8.50	Not required		
		57	6235				7.00	
		113	6515				8.00	
		173	6815				8.00	
	802.11ax-HE20 MCS0	1	5955				7.50	
		57	6235				7.50	
		113	6515				8.50	
		173	6815				8.50	
	802.11ax-HE40 MCS0	3	5965				10.50	
		59	6245				10.50	
		107	6485				11.50	
		171	6805				11.50	
		227	7085				10.50	
	802.11ax-HE80 MCS0	7	5985				13.30	13.50
		71	6305				13.50	13.50
		119	6545				13.80	14.00
		167	6785				14.40	14.50
		215	7025				14.10	14.50



WLAN 6GHz Power index 3_LPI

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3											
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	8.50	Not required	Not required	8.50	Not required	8.50	Not required	11.5	Not required									
		57	6235											7.00	7.00	7.00	10.0					
		113	6515											8.00	8.00	8.00	11.0					
		173	6815											8.00	8.00	8.00	11.0					
	802.11ax-HE20 MCS0	1	5955											7.50	7.50	7.50	10.5					
		57	6235											7.50	7.50	7.50	10.5					
		113	6515											8.50	8.50	8.50	11.5					
		173	6815											8.50	8.50	8.50	11.5					
	802.11ax-HE40 MCS0	3	5965											10.50	10.50	10.50	13.5					
		59	6245											10.50	10.50	10.50	13.5					
		107	6485											10.00	10.00	10.00	13.0					
		171	6805											11.00	11.00	11.00	14.0					
		227	7085											10.50	10.50	10.50	13.5					
	802.11ax-HE80 MCS0	7	5985											11.80	12.00	12.00	12.00	11.50	12.00	14.77	15.0	91.15
		71	6305											11.80	12.00	12.00	12.00	10.80	12.00	14.45	15.0	
		119	6545											9.80	10.00	10.00	10.00	10.00	10.00	13.01	13.0	
		167	6785											11.00	11.00	11.00	11.00	10.00	11.00	13.54	14.0	
		215	7025											11.00	11.00	11.00	11.00	11.00	11.00	14.01	14.0	

WLAN 6GHz Power index 4_LPI

SISO Ant 4									
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
WiFi 6E	802.11a 6Mbps	1	5955	Not required	8.50	Not required			
		57	6235				7.00		
		113	6515				8.00		
		173	6815				8.00		
	802.11ax-HE20 MCS0	1	5955				7.50		
		57	6235				7.50		
		113	6515				8.50		
		173	6815				8.50		
	802.11ax-HE40 MCS0	3	5965				10.50		
		59	6245				10.50		
		107	6485				11.50		
		171	6805				11.50		
		227	7085				10.50		
	802.11ax-HE80 MCS0	7	5985				11.80	12.00	88.20
		71	6305				11.80	12.00	
		119	6545				11.90	12.00	
		167	6785				13.00	13.00	
		215	7025				13.00	13.00	



WLAN 6GHz Power index 5_LPI

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3											
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	8.50	Not required	Not required	8.50	Not required	8.50	Not required	11.5	Not required									
		57	6235											7.00	7.00	7.00	10.0					
		113	6515											8.00	8.00	8.00	11.0					
		173	6815											8.00	8.00	8.00	11.0					
	802.11ax-HE20 MCS0	1	5955											7.50	7.50	7.50	10.5					
		57	6235											7.50	7.50	7.50	10.5					
		113	6515											8.50	8.50	8.50	11.5					
		173	6815											8.50	8.50	8.50	11.5					
	802.11ax-HE40 MCS0	3	5965											10.50	10.50	10.50	13.5					
		59	6245											10.50	10.50	10.50	13.5					
		107	6485											11.50	11.50	11.50	14.5					
		171	6805											11.50	11.50	11.50	14.5					
		227	7085											10.50	10.50	10.50	13.5					
	802.11ax-HE80 MCS0	7	5985											13.50	13.50	13.50	16.5					
		71	6305											13.50	13.50	13.50	16.5					
		119	6545											14.80	15.00	14.70	15.00	17.66	18.0			
		167	6785											Not required	14.50	88.20	Not required	14.50	Not required	14.50	17.5	91.15
		215	7025											14.10	14.50	14.00	14.50	14.10	14.50	17.06	17.5	

WLAN 6GHz Power index 6_LPI

SISO Ant 4									
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
WiFi 6E	802.11a 6Mbps	1	5955	Not required	8.50	Not required			
		57	6235				7.00		
		113	6515				8.00		
		173	6815				8.00		
	802.11ax-HE20 MCS0	1	5955				7.50		
		57	6235				7.50		
		113	6515				8.50		
		173	6815				8.50		
	802.11ax-HE40 MCS0	3	5965				10.50		
		59	6245				10.50		
		107	6485				11.50		
		171	6805				11.50		
		227	7085				10.50		
	802.11ax-HE80 MCS0	7	5985				13.50		
		71	6305				13.50		
		119	6545				14.80	15.00	
		167	6785				Not required	14.50	88.20
		215	7025				14.10	14.50	



WLAN 6GHz Power index 7_LPI

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3							
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	7.00	Not required	Not required	7.00	Not required	7.00	Not required	10.0	Not required					
		57	6235		7.00			7.00		10.0								
		113	6515		8.00			8.00		11.0								
		173	6815		8.00			8.00		11.0								
	802.11ax-HE20 MCS0	1	5955		7.50			7.50		10.5								
		57	6235		7.50			7.50		10.5								
		113	6515		8.50			8.50		11.5								
		173	6815		8.50			8.50		11.5								
	802.11ax-HE40 MCS0	3	5965		10.50			10.50		13.5								
		59	6245		10.50			10.50		13.5								
		107	6485		11.50			11.50		14.5								
		171	6805		11.50			11.50		14.5								
		227	7085		10.50			10.50		13.5								
	802.11ax-HE80 MCS0	7	5985		13.50			13.50		16.5								
		71	6305		13.50			13.50		16.5								
		119	6545		14.80			15.00		17.66								
		167	6785		Not required			14.50		17.5								
		215	7025		14.10			14.50		17.5								
					88.20			14.70		15.00		14.60		15.00	17.66	18.0	91.15	
					Not required			14.50		Not required		14.50		Not required	17.5			
				14.00	14.50	14.10	14.50	17.06	17.5									

WLAN 6GHz Power index 8_LPI

SISO Ant 4									
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
WiFi 6E	802.11a 6Mbps	1	5955	Not required	7.00	Not required			
		57	6235		7.00				
		113	6515		8.00				
		173	6815		8.00				
	802.11ax-HE20 MCS0	1	5955		7.50				
		57	6235		7.50				
		113	6515		8.50				
		173	6815		8.50				
	802.11ax-HE40 MCS0	3	5965		10.50				
		59	6245		10.50				
		107	6485		11.50				
		171	6805		11.50				
		227	7085		10.50				
	802.11ax-HE80 MCS0	7	5985		13.50				
		71	6305		13.50				
		119	6545		14.80				
		167	6785		Not required				
		215	7025		14.10				
					88.20		15.00		
					Not required		14.50		
				14.10	14.50				



WLAN 6GHz Power index 9_LPI

	Mode	Channel	Frequency (MHz)	SISO Ant 4			MIMO 4+3(4)		MIMO 4+3(3)		MIMO 4+3								
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	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	7.00	Not required	Not required	7.00	Not required	7.00	Not required	10.0	Not required						
		57	6235		7.00			7.00		10.0									
		113	6515		8.00			8.00		11.0									
		173	6815		8.00			8.00		11.0									
	802.11ax-HE20 MCS0	1	5955		7.50			7.50		10.5									
		57	6235		7.50			7.50		10.5									
		113	6515		8.50			8.50		11.5									
		173	6815		8.50			8.50		11.5									
	802.11ax-HE40 MCS0	3	5965		10.50			10.50		13.5									
		59	6245		10.50			10.50		13.5									
		107	6485		11.50			11.50		14.5									
		171	6805		11.50			11.50		14.5									
		227	7085		10.50			10.50		13.5									
	802.11ax-HE80 MCS0	7	5985		13.50			13.50		16.5									
		71	6305		13.50			13.50		16.5									
		119	6545		14.80			15.00		17.66									
		167	6785		Not required			14.50		17.5									
		215	7025		14.10			14.50		17.5									
								88.20				14.70		15.00	14.60	15.00	17.66	18.0	
										88.20		Not required		14.50	Not required	14.50	Not required	17.5	91.15
						14.00	14.50	14.10	14.50	17.06	17.5								



Bluetooth Power Index 1

	Mode	Channel	Frequency (MHz)	SISO Ant 4			SISO Ant 3		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	7.55	9.00	77.07	8.75	9.00	77.07
		39	2441	8.95	9.00		8.55	9.00	
		78	2480	7.45	9.00		8.15	9.00	
	BR / EDR 2Mbps	0	2402	Not required	9.00	Not required	Not required	9.00	9.00
		39	2441					9.00	
		78	2480					9.00	
	BR / EDR 3Mbps	0	2402					9.00	
		39	2441					9.00	
		78	2480					9.00	
	LE 1Mbps	0	2402					9.00	
		19	2440					9.00	
		39	2480					9.00	
	LE 2Mbps	0	2402					9.00	
		19	2440					9.00	
		39	2480					9.00	
	LE CS ASK 1Mbps	2	2404					9.00	
		38	2440					9.00	
		76	2478					9.00	
	LE CS ASK 2Mbps	2	2404					9.00	
		38	2440					9.00	
		76	2478					9.00	
	LE CS GFSK 1Mbps	2	2404					9.00	
		38	2440					9.00	
		76	2478					8.00	
	LE CS GFSK 2Mbps	2	2404					9.00	
		38	2440					9.00	
		76	2478					8.50	
	HR 2Mbps	0	2402					9.00	
		39	2441					9.00	
		78	2480					9.00	
HR 4Mbps	2	2404	9.00						
	39	2441	9.00						
	76	2478	9.00						
HR 8Mbps	2	2404	9.00						
	39	2441	9.00						
	76	2478	9.00						



Bluetooth Power Index 2

	Mode	Channel	Frequency (MHz)	SISO Ant 4			SISO Ant 3			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
Bluetooth	BR / EDR 1Mbps	0	2402	19.44	19.50	77.07	19.48	19.50	77.07	
		39	2441	19.78	20.00		19.99	20.00		
		78	2480	19.91	20.00		19.76	20.00		
	BR / EDR 2Mbps	0	2402	Not required	11.00	Not required	Not required	18.00	18.00	Not required
		39	2441					18.50	18.50	
		78	2480					18.50	18.50	
	BR / EDR 3Mbps	0	2402					18.00	18.00	
		39	2441					18.00	18.00	
		78	2480					18.50	18.50	
	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					20.00	20.00	
		39	2480					20.00	20.00	
	LE CS ASK 1Mbps	2	2404					10.50	10.50	
		38	2440					11.00	11.00	
		76	2478					9.00	9.00	
	LE CS ASK 2Mbps	2	2404					10.50	10.50	
		38	2440					9.50	9.50	
		76	2478					9.50	9.50	
	LE CS GFSK 1Mbps	2	2404					9.50	9.50	
		38	2440					10.00	10.00	
		76	2478					8.00	8.00	
	LE CS GFSK 2Mbps	2	2404					9.50	9.50	
		38	2440					10.00	10.00	
		76	2478					8.50	8.50	
	HR 2Mbps	0	2402					18.50	18.50	
		39	2441					18.50	18.50	
		78	2480					18.00	18.00	
	HR 4Mbps	2	2404					18.00	18.00	
		39	2441					18.00	18.00	
		76	2478					18.00	18.00	
	HR 8Mbps	2	2404					18.00	18.00	
		39	2441					18.00	18.00	
		76	2478					14.50	14.50	



Bluetooth Power Index 3

	Mode	Channel	Frequency (MHz)	SISO Ant 4			SISO Ant 3		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	14.80	15.00	77.07	19.48	19.50	77.07
		39	2441	14.80	15.00		19.99	20.00	
		78	2480	14.85	15.00		19.76	20.00	
	BR / EDR 2Mbps	0	2402	Not required	15.00	Not required	Not required	18.00	Not required
		39	2441					18.50	
		78	2480					18.50	
	BR / EDR 3Mbps	0	2402					18.00	
		39	2441					18.00	
		78	2480					18.50	
	LE 1Mbps	0	2402					19.50	
		19	2440					20.00	
		39	2480					20.00	
	LE 2Mbps	0	2402					20.00	
		19	2440					20.00	
		39	2480					20.00	
	LE CS ASK 1Mbps	2	2404					10.50	
		38	2440					11.00	
		76	2478					9.00	
	LE CS ASK 2Mbps	2	2404					10.50	
		38	2440					11.00	
		76	2478					9.50	
	LE CS GFSK 1Mbps	2	2404					9.50	
		38	2440					10.00	
		76	2478					8.00	
	LE CS GFSK 2Mbps	2	2404					9.50	
		38	2440					10.00	
		76	2478					8.50	
	HR 2Mbps	0	2402					15.00	
		39	2441					15.00	
		78	2480					15.00	
HR 4Mbps	2	2404	15.00						
	39	2441	15.00						
	76	2478	15.00						
HR 8Mbps	2	2404	15.00						
	39	2441	15.00						
	76	2478	14.50						



Bluetooth Power Index 4

	Mode	Channel	Frequency (MHz)	SISO Ant 4			SISO Ant 3		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	14.80	15.00	77.07	14.95	15.00	77.07
		39	2441	14.80	15.00		14.85	15.00	
		78	2480	14.85	15.00		14.85	15.00	
	BR / EDR 2Mbps	0	2402	Not required	15.00	Not required	Not required	15.00	15.00
		39	2441					15.00	
		78	2480					15.00	
	BR / EDR 3Mbps	0	2402					15.00	
		39	2441					15.00	
		78	2480					15.00	
	LE 1Mbps	0	2402					15.00	
		19	2440					15.00	
		39	2480					15.00	
	LE 2Mbps	0	2402					15.00	
		19	2440					15.00	
		39	2480					15.00	
	LE CS ASK 1Mbps	2	2404					10.50	
		38	2440					11.00	
		76	2478					9.00	
	LE CS ASK 2Mbps	2	2404					10.50	
		38	2440					11.00	
		76	2478					9.50	
	LE CS GFSK 1Mbps	2	2404					9.50	
		38	2440					10.00	
		76	2478					8.00	
	LE CS GFSK 2Mbps	2	2404					9.50	
		38	2440					10.00	
		76	2478					8.50	
	HR 2Mbps	0	2402					15.00	
		39	2441					15.00	
		78	2480					15.00	
	HR 4Mbps	2	2404					15.00	
		39	2441					15.00	
		76	2478					15.00	
	HR 8Mbps	2	2404					15.00	
		39	2441					15.00	
		76	2478					14.50	

