

Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	25.79	25.72	25.90	26.90
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	25.80	25.84	25.97	26.90
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	25.77	25.82	25.91	26.90
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	25.83	25.79	25.96	26.90
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	25.77	25.78	25.91	26.90
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	25.81	25.80	25.88	26.90
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	25.76	25.80	25.94	26.90
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	25.85	25.72	25.91	26.90

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.88	26.00	25.99	26.90
100	PI/2 BPSK	1	137	25.92	25.87	25.90	26.90
100	PI/2 BPSK	1	271	25.95	25.85	25.85	26.90
100	PI/2 BPSK	135	0	25.49	25.55	25.56	26.40
100	PI/2 BPSK	135	69	25.95	25.99	25.99	26.90
100	PI/2 BPSK	135	138	25.43	25.40	25.47	26.40
100	PI/2 BPSK	270	0	25.43	25.48	25.48	26.40
100	QPSK	1	1	25.93	25.90	26.02	26.90
100	QPSK	1	137	25.97	26.04	25.93	26.90
100	QPSK	1	271	26.00	25.91	25.87	26.90
100	QPSK	135	0	25.01	25.09	25.08	25.90
100	QPSK	135	69	26.02	26.03	26.03	26.90
100	QPSK	135	138	24.97	24.94	25.01	25.90
100	QPSK	270	0	24.97	25.02	25.02	25.90
100	16QAM	1	1	24.90	24.87	24.94	25.90
100	64QAM	1	1	23.45	23.43	23.45	24.40
100	256QAM	1	1	21.62	21.59	21.66	22.40
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	25.78	25.85	25.97	26.90
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	25.85	25.83	25.84	26.90
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	25.79	25.82	25.91	26.90
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	25.79	25.72	25.90	26.90
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	25.80	25.84	25.97	26.90
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	25.77	25.82	25.91	26.90
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	25.83	25.79	25.96	26.90
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	25.77	25.78	25.91	26.90
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	25.81	25.80	25.88	26.90

Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	25.76	25.80	25.94	26.90
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	25.85	25.72	25.91	26.90

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.50	18.37	18.59	18.60
100	PI/2 BPSK	1	137	18.50	18.60	18.59	18.60
100	PI/2 BPSK	1	271	18.50	18.55	18.57	18.60
100	PI/2 BPSK	135	0	18.49	18.49	18.56	18.60
100	PI/2 BPSK	135	69	18.42	18.37	18.48	18.60
100	PI/2 BPSK	135	138	18.38	18.35	18.42	18.60
100	PI/2 BPSK	270	0	18.50	18.40	18.50	18.60
100	QPSK	1	1	18.50	18.43	18.59	18.60
100	QPSK	1	137	18.50	18.55	18.59	18.60
100	QPSK	1	271	18.49	18.60	18.59	18.60
100	QPSK	135	0	18.50	18.55	18.59	18.60
100	QPSK	135	69	18.50	18.47	18.55	18.60
100	QPSK	135	138	18.49	18.43	18.59	18.60
100	QPSK	270	0	18.50	18.49	18.57	18.60
100	16QAM	1	1	18.38	18.32	18.51	18.60
100	64QAM	1	1	18.41	18.41	18.57	18.60
100	256QAM	1	1	18.49	18.44	18.57	18.60
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	18.47	18.29	18.56	18.60
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	18.48	18.35	18.53	18.60
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	18.43	18.31	18.47	18.60
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	18.45	18.35	18.56	18.60
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	18.48	18.31	18.56	18.60
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	18.40	18.27	18.54	18.60
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	18.38	18.32	18.57	18.60
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	18.43	18.23	18.47	18.60
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	18.46	18.26	18.52	18.60
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	18.38	18.26	18.56	18.60
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	18.39	18.28	18.45	18.60

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.50	18.37	18.59	20.00
100	PI/2 BPSK	1	137	18.50	18.60	18.59	20.00

100	PI/2 BPSK	1	271	18.50	18.55	18.57	20.00
100	PI/2 BPSK	135	0	18.49	18.49	18.56	20.00
100	PI/2 BPSK	135	69	18.42	18.37	18.48	20.00
100	PI/2 BPSK	135	138	18.38	18.35	18.42	20.00
100	PI/2 BPSK	270	0	18.50	18.40	18.50	20.00
100	QPSK	1	1	18.50	18.43	18.59	20.00
100	QPSK	1	137	18.50	18.55	18.59	20.00
100	QPSK	1	271	18.49	18.60	18.59	20.00
100	QPSK	135	0	18.50	18.55	18.59	20.00
100	QPSK	135	69	18.50	18.47	18.55	20.00
100	QPSK	135	138	18.49	18.43	18.59	20.00
100	QPSK	270	0	18.50	18.49	18.57	20.00
100	16QAM	1	1	18.38	18.32	18.51	20.00
100	64QAM	1	1	18.41	18.41	18.57	20.00
100	256QAM	1	1	18.49	18.44	18.57	20.00
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	18.47	18.29	18.56	20.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	18.48	18.35	18.53	20.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	18.43	18.31	18.47	20.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	18.45	18.35	18.56	20.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	18.48	18.31	18.56	20.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	18.40	18.27	18.54	20.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	18.38	18.32	18.57	20.00
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	18.43	18.23	18.47	20.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	18.46	18.26	18.52	20.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	18.38	18.26	18.56	20.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	18.39	18.28	18.45	20.00

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.50	18.37	18.59	18.60
100	PI/2 BPSK	1	137	18.50	18.60	18.59	18.60
100	PI/2 BPSK	1	271	18.50	18.55	18.57	18.60
100	PI/2 BPSK	135	0	18.49	18.49	18.56	18.60
100	PI/2 BPSK	135	69	18.42	18.37	18.48	18.60
100	PI/2 BPSK	135	138	18.38	18.35	18.42	18.60
100	PI/2 BPSK	270	0	18.50	18.40	18.50	18.60
100	QPSK	1	1	18.50	18.43	18.59	18.60
100	QPSK	1	137	18.50	18.55	18.59	18.60
100	QPSK	1	271	18.49	18.60	18.59	18.60
100	QPSK	135	0	18.50	18.55	18.59	18.60
100	QPSK	135	69	18.50	18.47	18.55	18.60
100	QPSK	135	138	18.49	18.43	18.59	18.60
100	QPSK	270	0	18.50	18.49	18.57	18.60
100	16QAM	1	1	18.38	18.32	18.51	18.60
100	64QAM	1	1	18.41	18.41	18.57	18.60
100	256QAM	1	1	18.49	18.44	18.57	18.60
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	18.47	18.29	18.56	18.60

Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	18.48	18.35	18.53	18.60
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	18.43	18.31	18.47	18.60
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	18.45	18.35	18.56	18.60
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	18.48	18.31	18.56	18.60
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	18.40	18.27	18.54	18.60
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	18.38	18.32	18.57	18.60
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	18.43	18.23	18.47	18.60
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	18.46	18.26	18.52	18.60
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	18.38	18.26	18.56	18.60
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	18.39	18.28	18.45	18.60

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.63	16.55	16.48	18.00
100	PI/2 BPSK	1	137	16.52	16.53	16.36	18.00
100	PI/2 BPSK	1	271	16.53	16.53	16.36	18.00
100	PI/2 BPSK	135	0	16.59	16.66	16.47	18.00
100	PI/2 BPSK	135	69	16.55	16.50	16.39	18.00
100	PI/2 BPSK	135	138	16.38	16.42	16.22	18.00
100	PI/2 BPSK	270	0	16.46	16.51	16.35	18.00
100	QPSK	1	1	16.44	16.48	16.39	18.00
100	QPSK	1	137	16.52	16.47	16.38	18.00
100	QPSK	1	271	16.41	16.48	16.28	18.00
100	QPSK	135	0	16.63	16.66	16.48	18.00
100	QPSK	135	69	16.57	16.51	16.36	18.00
100	QPSK	135	138	16.43	16.43	16.27	18.00
100	QPSK	270	0	16.48	16.52	16.30	18.00
100	16QAM	1	1	16.63	16.75	16.48	18.00
100	64QAM	1	1	16.61	16.56	16.41	18.00
100	256QAM	1	1	16.63	16.95	16.47	18.00
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	16.50	16.50	16.44	18.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	16.58	16.40	16.37	18.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	16.54	16.40	16.41	18.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	16.48	16.52	16.35	18.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	16.59	16.50	16.36	18.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)

40	PI/2 BPSK	1	1	16.54	16.48	16.43	18.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	16.61	16.49	16.38	18.00
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	16.53	16.50	16.42	18.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	16.53	16.41	16.37	18.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	16.48	16.48	16.35	18.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	16.60	16.49	16.46	18.00

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.63	16.55	16.48	17.30
100	PI/2 BPSK	1	137	16.52	16.53	16.36	17.30
100	PI/2 BPSK	1	271	16.53	16.53	16.36	17.30
100	PI/2 BPSK	135	0	16.59	16.66	16.47	17.30
100	PI/2 BPSK	135	69	16.55	16.50	16.39	17.30
100	PI/2 BPSK	135	138	16.38	16.42	16.22	17.30
100	PI/2 BPSK	270	0	16.46	16.51	16.35	17.30
100	QPSK	1	1	16.44	16.48	16.39	17.30
100	QPSK	1	137	16.52	16.47	16.38	17.30
100	QPSK	1	271	16.41	16.48	16.28	17.30
100	QPSK	135	0	16.63	16.66	16.48	17.30
100	QPSK	135	69	16.57	16.51	16.36	17.30
100	QPSK	135	138	16.43	16.43	16.27	17.30
100	QPSK	270	0	16.48	16.52	16.30	17.30
100	16QAM	1	1	16.63	16.75	16.48	17.30
100	64QAM	1	1	16.61	16.56	16.41	17.30
100	256QAM	1	1	16.63	16.95	16.47	17.30
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	16.50	16.50	16.44	17.30
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	16.58	16.40	16.37	17.30
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	16.54	16.40	16.41	17.30
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	16.48	16.52	16.35	17.30
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	16.59	16.50	16.36	17.30
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	16.54	16.48	16.43	17.30
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	16.61	16.49	16.38	17.30
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	16.53	16.50	16.42	17.30
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	16.53	16.41	16.37	17.30
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	16.48	16.48	16.35	17.30
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	16.60	16.49	16.46	17.30

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.93	16.91	16.92	17.40
100	PI/2 BPSK	1	137	16.93	16.99	16.92	17.40
100	PI/2 BPSK	1	271	16.93	16.97	16.91	17.40
100	PI/2 BPSK	135	0	16.88	17.00	16.87	17.40
100	PI/2 BPSK	135	69	16.86	16.82	16.89	17.40
100	PI/2 BPSK	135	138	16.87	16.80	16.87	17.40
100	PI/2 BPSK	270	0	16.86	16.90	16.86	17.40
100	QPSK	1	1	16.80	16.82	16.81	17.40
100	QPSK	1	137	16.89	16.95	16.88	17.40
100	QPSK	1	271	16.90	16.93	16.91	17.40
100	QPSK	135	0	16.91	16.94	16.84	17.40
100	QPSK	135	69	16.81	16.86	16.84	17.40
100	QPSK	135	138	16.83	16.85	16.87	17.40
100	QPSK	270	0	16.88	16.90	16.81	17.40
100	16QAM	1	1	16.92	16.98	16.92	17.40
100	64QAM	1	1	16.84	16.89	16.81	17.40
100	256QAM	1	1	16.83	16.88	16.84	17.40
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.90	16.84	16.86	17.40
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.89	16.87	16.87	17.40
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	16.89	16.87	16.85	17.40
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.85	16.84	16.83	17.40
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.82	16.84	16.83	17.40
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.89	16.89	16.81	17.40
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.87	16.87	16.87	17.40
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	16.82	16.82	16.89	17.40
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.89	16.83	16.89	17.40
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.81	16.88	16.83	17.40
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.81	16.88	16.90	17.40

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.09	19.02	19.09	19.70
100	PI/2 BPSK	1	137	19.08	19.16	18.94	19.70
100	PI/2 BPSK	1	271	19.11	19.11	19.10	19.70
100	PI/2 BPSK	135	0	18.97	19.14	19.03	19.70
100	PI/2 BPSK	135	69	18.95	18.93	19.00	19.70
100	PI/2 BPSK	135	138	19.00	18.97	18.98	19.70
100	PI/2 BPSK	270	0	18.89	19.01	18.95	19.70
100	QPSK	1	1	18.84	18.86	18.97	19.70
100	QPSK	1	137	19.02	19.13	19.06	19.70
100	QPSK	1	271	19.01	19.07	19.07	19.70



100	QPSK	135	0	19.08	19.11	18.98	19.70
100	QPSK	135	69	18.87	18.96	18.95	19.70
100	QPSK	135	138	18.88	18.90	18.92	19.70
100	QPSK	270	0	18.93	18.94	18.96	19.70
100	16QAM	1	1	18.98	19.02	18.93	19.70
100	64QAM	1	1	18.93	18.98	18.94	19.70
100	256QAM	1	1	18.87	19.07	18.94	19.70
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	19.00	18.92	19.05	19.70
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	19.00	18.91	19.05	19.70
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	18.95	18.95	19.02	19.70
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	19.03	18.89	19.03	19.70
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	19.04	19.00	19.05	19.70
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	19.07	18.94	19.06	19.70
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	19.07	18.90	18.99	19.70
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	19.07	18.98	18.98	19.70
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	18.95	18.99	18.96	19.70
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	18.99	18.92	18.94	19.70
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	18.98	18.91	19.06	19.70

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.93	16.91	16.92	17.40
100	PI/2 BPSK	1	137	16.93	16.99	16.92	17.40
100	PI/2 BPSK	1	271	16.93	16.97	16.91	17.40
100	PI/2 BPSK	135	0	16.88	17.00	16.87	17.40
100	PI/2 BPSK	135	69	16.86	16.82	16.89	17.40
100	PI/2 BPSK	135	138	16.87	16.80	16.87	17.40
100	PI/2 BPSK	270	0	16.86	16.90	16.86	17.40
100	QPSK	1	1	16.80	16.82	16.81	17.40
100	QPSK	1	137	16.89	16.95	16.88	17.40
100	QPSK	1	271	16.90	16.93	16.91	17.40
100	QPSK	135	0	16.91	16.94	16.84	17.40
100	QPSK	135	69	16.81	16.86	16.84	17.40
100	QPSK	135	138	16.83	16.85	16.87	17.40
100	QPSK	270	0	16.88	16.90	16.81	17.40
100	16QAM	1	1	16.92	16.98	16.92	17.40
100	64QAM	1	1	16.84	16.89	16.81	17.40
100	256QAM	1	1	16.83	16.88	16.84	17.40
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	16.90	16.84	16.86	17.40
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	16.89	16.87	16.87	17.40
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	16.89	16.87	16.85	17.40
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)

60	PI/2 BPSK	1	1	16.85	16.84	16.83	17.40
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.82	16.84	16.83	17.40
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.89	16.89	16.81	17.40
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.87	16.87	16.87	17.40
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	16.82	16.82	16.89	17.40
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.89	16.83	16.89	17.40
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.81	16.88	16.83	17.40
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.81	16.88	16.90	17.40

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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				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.68	19.63	19.64	21.00
100	PI/2 BPSK	1	137	19.58	19.68	19.72	21.00
100	PI/2 BPSK	1	271	19.55	19.67	19.48	21.00
100	PI/2 BPSK	135	0	19.70	19.72	19.63	21.00
100	PI/2 BPSK	135	69	19.65	19.57	19.57	21.00
100	PI/2 BPSK	135	138	19.55	19.51	19.55	21.00
100	PI/2 BPSK	270	0	19.59	19.56	19.55	21.00
100	QPSK	1	1	19.76	19.68	19.65	21.00
100	QPSK	1	137	19.63	19.73	19.76	21.00
100	QPSK	1	271	19.59	19.71	19.53	21.00
100	QPSK	135	0	19.75	19.76	19.66	21.00
100	QPSK	135	69	19.72	19.64	19.64	21.00
100	QPSK	135	138	19.60	19.54	19.60	21.00
100	QPSK	270	0	19.68	19.61	19.60	21.00
100	16QAM	1	1	19.66	19.54	19.49	21.00
100	64QAM	1	1	19.70	19.56	19.51	21.00
100	256QAM	1	1	19.71	19.81	19.73	21.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.63	19.49	19.56	21.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.57	19.49	19.63	21.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.58	19.58	19.55	21.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.64	19.51	19.60	21.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.54	19.57	19.59	21.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.53	19.51	19.61	21.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.65	19.55	19.61	21.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	19.61	19.57	19.62	21.00
Channel				501204	518598	535998	Tune-up limit

Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	19.57	19.50	19.54	21.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	19.57	19.55	19.52	21.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	19.66	19.53	19.58	21.00

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.68	19.63	19.64	20.30
100	PI/2 BPSK	1	137	19.58	19.68	19.72	20.30
100	PI/2 BPSK	1	271	19.55	19.67	19.48	20.30
100	PI/2 BPSK	135	0	19.70	19.72	19.63	20.30
100	PI/2 BPSK	135	69	19.65	19.57	19.57	20.30
100	PI/2 BPSK	135	138	19.55	19.51	19.55	20.30
100	PI/2 BPSK	270	0	19.59	19.56	19.55	20.30
100	QPSK	1	1	19.76	19.68	19.65	20.30
100	QPSK	1	137	19.63	19.73	19.76	20.30
100	QPSK	1	271	19.59	19.71	19.53	20.30
100	QPSK	135	0	19.75	19.76	19.66	20.30
100	QPSK	135	69	19.72	19.64	19.64	20.30
100	QPSK	135	138	19.60	19.54	19.60	20.30
100	QPSK	270	0	19.68	19.61	19.60	20.30
100	16QAM	1	1	19.66	19.54	19.49	20.30
100	64QAM	1	1	19.70	19.56	19.51	20.30
100	256QAM	1	1	19.71	19.81	19.73	20.30
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	19.63	19.49	19.56	20.30
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	19.57	19.49	19.63	20.30
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	19.58	19.58	19.55	20.30
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	19.64	19.51	19.60	20.30
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	19.54	19.57	19.59	20.30
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	19.53	19.51	19.61	20.30
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	19.65	19.55	19.61	20.30
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	19.61	19.57	19.62	20.30
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	19.57	19.50	19.54	20.30
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	19.57	19.55	19.52	20.30
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	19.66	19.53	19.58	20.30

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	

100	PI/2 BPSK	1	1	20.05	19.99	19.96	20.40
100	PI/2 BPSK	1	137	20.01	20.07	19.96	20.40
100	PI/2 BPSK	1	271	20.00	20.05	19.92	20.40
100	PI/2 BPSK	135	0	20.04	20.10	19.95	20.40
100	PI/2 BPSK	135	69	19.98	20.02	19.89	20.40
100	PI/2 BPSK	135	138	19.97	20.01	19.89	20.40
100	PI/2 BPSK	270	0	20.02	20.06	19.95	20.40
100	QPSK	1	1	19.98	20.02	19.95	20.40
100	QPSK	1	137	20.03	20.06	19.95	20.40
100	QPSK	1	271	20.04	20.04	19.91	20.40
100	QPSK	135	0	20.03	20.07	19.96	20.40
100	QPSK	135	69	20.04	20.09	19.92	20.40
100	QPSK	135	138	20.05	20.03	19.96	20.40
100	QPSK	270	0	20.03	20.07	19.95	20.40
100	16QAM	1	1	19.92	19.92	19.83	20.40
100	64QAM	1	1	19.81	19.88	19.84	20.40
100	256QAM	1	1	20.03	20.07	19.96	20.40
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	20.00	19.98	19.91	20.40
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	19.95	19.89	19.87	20.40
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	19.99	19.84	19.90	20.40
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	19.98	19.86	19.90	20.40
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	20.03	19.92	19.92	20.40
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	19.93	19.96	19.92	20.40
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	19.95	19.86	19.93	20.40
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	19.91	19.92	19.87	20.40
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	19.94	19.98	19.89	20.40
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	20.01	19.98	19.92	20.40
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	19.90	19.94	19.90	20.40

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.99	21.90	21.86	22.70
100	PI/2 BPSK	1	137	21.93	22.07	21.92	22.70
100	PI/2 BPSK	1	271	21.93	22.00	21.89	22.70
100	PI/2 BPSK	135	0	21.97	22.09	21.85	22.70
100	PI/2 BPSK	135	69	21.91	21.93	21.84	22.70
100	PI/2 BPSK	135	138	21.92	21.98	21.88	22.70
100	PI/2 BPSK	270	0	21.96	21.98	21.95	22.70
100	QPSK	1	1	21.93	21.93	21.85	22.70
100	QPSK	1	137	22.01	22.04	21.87	22.70
100	QPSK	1	271	21.98	21.96	21.91	22.70
100	QPSK	135	0	21.99	22.03	21.95	22.70
100	QPSK	135	69	21.95	22.05	21.91	22.70
100	QPSK	135	138	22.04	21.95	21.95	22.70
100	QPSK	270	0	21.98	22.02	21.93	22.70
100	16QAM	1	1	21.85	21.83	21.75	22.70
100	64QAM	1	1	21.76	21.79	21.74	22.70
100	256QAM	1	1	21.66	21.63	21.57	22.40
Channel				508200	518598	528996	Tune-up limit

	Frequency (MHz)			2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	21.87	21.80	21.74	22.70
	Channel			507204	518598	529998	Tune-up limit
	Frequency (MHz)			2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	21.90	21.89	21.76	22.70
	Channel			506202	518598	531000	Tune-up limit
	Frequency (MHz)			2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	21.91	21.79	21.76	22.70
	Channel			505200	518598	531996	Tune-up limit
	Frequency (MHz)			2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	21.84	21.87	21.72	22.70
	Channel			504204	518598	532998	Tune-up limit
	Frequency (MHz)			2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	21.93	21.77	21.72	22.70
	Channel			503202	518598	534000	Tune-up limit
	Frequency (MHz)			2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	21.86	21.84	21.77	22.70
	Channel			502200	518598	534996	Tune-up limit
	Frequency (MHz)			2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	21.86	21.77	21.75	22.70
	Channel			501702	518598	535500	Tune-up limit
	Frequency (MHz)			2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	21.91	21.85	21.73	22.70
	Channel			501204	518598	535998	Tune-up limit
	Frequency (MHz)			2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	21.90	21.77	21.81	22.70
	Channel			500700	518598	536496	Tune-up limit
	Frequency (MHz)			2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	21.89	21.75	21.81	22.70
	Channel			500202	518598	537000	Tune-up limit
	Frequency (MHz)			2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	21.94	21.81	21.76	22.70

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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			509202	518598	528000	
	Frequency (MHz)			2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.05	19.99	19.96	20.40
100	PI/2 BPSK	1	137	20.01	20.07	19.96	20.40
100	PI/2 BPSK	1	271	20.00	20.05	19.92	20.40
100	PI/2 BPSK	135	0	20.04	20.10	19.95	20.40
100	PI/2 BPSK	135	69	19.98	20.02	19.89	20.40
100	PI/2 BPSK	135	138	19.97	20.01	19.89	20.40
100	PI/2 BPSK	270	0	20.02	20.06	19.95	20.40
100	QPSK	1	1	19.98	20.02	19.95	20.40
100	QPSK	1	137	20.03	20.06	19.95	20.40
100	QPSK	1	271	20.04	20.04	19.91	20.40
100	QPSK	135	0	20.03	20.07	19.96	20.40
100	QPSK	135	69	20.04	20.09	19.92	20.40
100	QPSK	135	138	20.05	20.03	19.96	20.40
100	QPSK	270	0	20.03	20.07	19.95	20.40
100	16QAM	1	1	19.92	19.92	19.83	20.40
100	64QAM	1	1	19.81	19.88	19.84	20.40
100	256QAM	1	1	20.03	20.07	19.96	20.40
	Channel			508200	518598	528996	Tune-up limit
	Frequency (MHz)			2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	20.00	19.98	19.91	20.40
	Channel			507204	518598	529998	Tune-up limit
	Frequency (MHz)			2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	19.95	19.89	19.87	20.40
	Channel			506202	518598	531000	Tune-up limit
	Frequency (MHz)			2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	19.99	19.84	19.90	20.40
	Channel			505200	518598	531996	Tune-up limit
	Frequency (MHz)			2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	19.98	19.86	19.90	20.40
	Channel			504204	518598	532998	Tune-up limit
	Frequency (MHz)			2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	20.03	19.92	19.92	20.40
	Channel			503202	518598	534000	Tune-up limit
	Frequency (MHz)			2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	19.93	19.96	19.92	20.40
	Channel			502200	518598	534996	Tune-up limit

	Frequency (MHz)			2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	19.95	19.86	19.93	20.40
	Channel			501702	518598	535500	Tune-up limit
	Frequency (MHz)			2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	19.91	19.92	19.87	20.40
	Channel			501204	518598	535998	Tune-up limit
	Frequency (MHz)			2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	19.94	19.98	19.89	20.40
	Channel			500700	518598	536496	Tune-up limit
	Frequency (MHz)			2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	20.01	19.98	19.92	20.40
	Channel			500202	518598	537000	Tune-up limit
	Frequency (MHz)			2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	19.90	19.94	19.90	20.40

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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			509202	518598	528000	
	Frequency (MHz)			2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.54	22.55	22.54	23.80
100	PI/2 BPSK	1	137	22.50	22.63	22.54	23.80
100	PI/2 BPSK	1	271	22.26	22.30	22.19	23.80
100	PI/2 BPSK	135	0	22.46	22.49	22.43	23.80
100	PI/2 BPSK	135	69	22.18	22.30	22.17	23.80
100	PI/2 BPSK	135	138	22.27	22.38	22.24	23.80
100	PI/2 BPSK	270	0	22.43	22.48	22.37	23.80
100	QPSK	1	1	22.37	22.51	22.47	23.80
100	QPSK	1	137	22.53	22.61	22.46	23.80
100	QPSK	1	271	22.19	22.33	22.31	23.80
100	QPSK	135	0	22.41	22.47	22.36	23.80
100	QPSK	135	69	22.34	22.49	22.35	23.80
100	QPSK	135	138	22.18	22.32	22.18	23.80
100	QPSK	270	0	22.42	22.47	22.31	23.80
100	16QAM	1	1	22.54	22.77	22.52	23.80
100	64QAM	1	1	21.26	21.33	21.21	22.50
100	256QAM	1	1	19.14	19.29	19.23	20.50
	Channel			508200	518598	528996	Tune-up limit
	Frequency (MHz)			2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	22.51	22.43	22.47	23.80
	Channel			507204	518598	529998	Tune-up limit
	Frequency (MHz)			2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	22.39	22.42	22.41	23.80
	Channel			506202	518598	531000	Tune-up limit
	Frequency (MHz)			2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	22.40	22.42	22.48	23.80
	Channel			505200	518598	531996	Tune-up limit
	Frequency (MHz)			2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	22.39	22.47	22.51	23.80
	Channel			504204	518598	532998	Tune-up limit
	Frequency (MHz)			2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	22.41	22.44	22.53	23.80
	Channel			503202	518598	534000	Tune-up limit
	Frequency (MHz)			2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	22.49	22.51	22.53	23.80
	Channel			502200	518598	534996	Tune-up limit
	Frequency (MHz)			2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	22.46	22.45	22.40	23.80
	Channel			501702	518598	535500	Tune-up limit
	Frequency (MHz)			2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	22.49	22.42	22.51	23.80
	Channel			501204	518598	535998	Tune-up limit
	Frequency (MHz)			2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	22.49	22.52	22.44	23.80
	Channel			500700	518598	536496	Tune-up limit
	Frequency (MHz)			2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	22.45	22.52	22.51	23.80
	Channel			500202	518598	537000	Tune-up limit
	Frequency (MHz)			2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	22.49	22.47	22.43	23.80

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.54	22.55	22.54	22.90
100	PI/2 BPSK	1	137	22.50	22.63	22.54	22.90
100	PI/2 BPSK	1	271	22.26	22.30	22.19	22.90
100	PI/2 BPSK	135	0	22.46	22.49	22.43	22.90
100	PI/2 BPSK	135	69	22.18	22.30	22.17	22.90
100	PI/2 BPSK	135	138	22.27	22.38	22.24	22.90
100	PI/2 BPSK	270	0	22.43	22.48	22.37	22.90
100	QPSK	1	1	22.37	22.51	22.47	22.90
100	QPSK	1	137	22.53	22.61	22.46	22.90
100	QPSK	1	271	22.19	22.33	22.31	22.90
100	QPSK	135	0	22.41	22.47	22.36	22.90
100	QPSK	135	69	22.34	22.49	22.35	22.90
100	QPSK	135	138	22.18	22.32	22.18	22.90
100	QPSK	270	0	22.42	22.47	22.31	22.90
100	16QAM	1	1	22.54	22.77	22.52	22.90
100	64QAM	1	1	21.26	21.33	21.21	22.50
100	256QAM	1	1	19.14	19.29	19.23	20.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.51	22.43	22.47	22.90
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.39	22.42	22.41	22.90
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.40	22.42	22.48	22.90
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.39	22.47	22.51	22.90
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.41	22.44	22.53	22.90
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.49	22.51	22.53	22.90
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.46	22.45	22.40	22.90
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	22.49	22.42	22.51	22.90
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.49	22.52	22.44	22.90
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.45	22.52	22.51	22.90
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.49	22.47	22.43	22.90

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.15	17.17	17.28	17.50
100	PI/2 BPSK	1	137	17.19	17.34	17.36	17.50
100	PI/2 BPSK	1	271	17.07	17.19	17.17	17.50
100	PI/2 BPSK	135	0	17.10	17.19	17.22	17.50
100	PI/2 BPSK	135	69	17.06	17.11	17.08	17.50
100	PI/2 BPSK	135	138	16.92	17.03	17.01	17.50
100	PI/2 BPSK	270	0	17.05	17.14	17.22	17.50
100	QPSK	1	1	17.00	17.13	17.20	17.50

100	QPSK	1	137	17.24	17.34	17.34	17.50
100	QPSK	1	271	17.09	17.20	17.23	17.50
100	QPSK	135	0	17.13	17.17	17.24	17.50
100	QPSK	135	69	17.03	17.10	17.06	17.50
100	QPSK	135	138	16.94	17.01	16.98	17.50
100	QPSK	270	0	16.97	17.10	17.10	17.50
100	16QAM	1	1	17.24	17.30	17.40	17.50
100	64QAM	1	1	16.92	17.07	17.04	17.50
100	256QAM	1	1	17.19	17.32	17.42	17.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.07	17.04	17.25	17.50
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.05	17.08	17.24	17.50
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	17.09	17.06	17.14	17.50
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.03	17.03	17.16	17.50
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	17.04	17.11	17.15	17.50
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	17.04	17.12	17.24	17.50
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	17.02	17.09	17.26	17.50
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	17.10	17.15	17.15	17.50
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.11	17.05	17.27	17.50
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.13	17.07	17.19	17.50
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.06	17.05	17.21	17.50

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.15	17.17	17.28	19.00
100	PI/2 BPSK	1	137	17.19	17.34	17.36	19.00
100	PI/2 BPSK	1	271	17.07	17.19	17.17	19.00
100	PI/2 BPSK	135	0	17.10	17.19	17.22	19.00
100	PI/2 BPSK	135	69	17.06	17.11	17.08	19.00
100	PI/2 BPSK	135	138	17.02	17.03	17.01	19.00
100	PI/2 BPSK	270	0	17.05	17.14	17.22	19.00
100	QPSK	1	1	17.00	17.13	17.20	19.00
100	QPSK	1	137	17.24	17.34	17.34	19.00
100	QPSK	1	271	17.09	17.20	17.23	19.00
100	QPSK	135	0	17.13	17.17	17.24	19.00
100	QPSK	135	69	17.03	17.10	17.06	19.00
100	QPSK	135	138	17.04	17.01	17.08	19.00
100	QPSK	270	0	17.07	17.10	17.10	19.00
100	16QAM	1	1	17.24	17.30	17.40	19.00
100	64QAM	1	1	17.02	17.07	17.04	19.00
100	256QAM	1	1	17.19	17.32	17.42	19.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.07	17.04	17.25	19.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.05	17.08	17.24	19.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	17.09	17.06	17.14	19.00

Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	17.03	17.03	17.16	19.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	17.04	17.11	17.15	19.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	17.04	17.12	17.24	19.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	17.02	17.09	17.26	19.00
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	17.10	17.15	17.15	19.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	17.11	17.05	17.27	19.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	17.13	17.07	17.19	19.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	17.06	17.05	17.21	19.00

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.15	17.17	17.28	17.50
100	PI/2 BPSK	1	137	17.19	17.34	17.36	17.50
100	PI/2 BPSK	1	271	17.07	17.19	17.17	17.50
100	PI/2 BPSK	135	0	17.10	17.19	17.22	17.50
100	PI/2 BPSK	135	69	17.06	17.11	17.08	17.50
100	PI/2 BPSK	135	138	16.92	17.03	17.01	17.50
100	PI/2 BPSK	270	0	17.05	17.14	17.22	17.50
100	QPSK	1	1	17.00	17.13	17.20	17.50
100	QPSK	1	137	17.24	17.34	17.34	17.50
100	QPSK	1	271	17.09	17.20	17.23	17.50
100	QPSK	135	0	17.13	17.17	17.24	17.50
100	QPSK	135	69	17.03	17.10	17.06	17.50
100	QPSK	135	138	16.94	17.01	16.98	17.50
100	QPSK	270	0	16.97	17.10	17.10	17.50
100	16QAM	1	1	17.24	17.30	17.40	17.50
100	64QAM	1	1	16.92	17.07	17.04	17.50
100	256QAM	1	1	17.19	17.32	17.42	17.50
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	17.07	17.04	17.25	17.50
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	17.05	17.08	17.24	17.50
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	17.09	17.06	17.14	17.50
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	17.03	17.03	17.16	17.50
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	17.04	17.11	17.15	17.50
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	17.04	17.12	17.24	17.50
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	17.02	17.09	17.26	17.50
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	17.10	17.15	17.15	17.50
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	17.11	17.05	17.27	17.50

Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	17.13	17.07	17.19	17.50
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	17.06	17.05	17.21	17.50

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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				509202	518598	528000	Tune-up limit
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.98	26.00	26.04	26.80
100	PI/2 BPSK	1	137	26.06	26.10	26.00	26.80
100	PI/2 BPSK	1	271	26.07	25.98	25.87	26.80
100	PI/2 BPSK	135	0	25.60	25.70	25.73	26.40
100	PI/2 BPSK	135	69	26.10	26.10	26.09	26.80
100	PI/2 BPSK	135	138	25.54	25.52	25.56	26.40
100	PI/2 BPSK	270	0	25.56	25.63	25.61	26.40
100	QPSK	1	1	26.01	26.04	26.05	26.80
100	QPSK	1	137	26.10	26.05	26.04	26.80
100	QPSK	1	271	26.10	26.01	25.90	26.80
100	QPSK	135	0	25.12	25.21	25.26	25.90
100	QPSK	135	69	26.07	25.94	26.05	26.80
100	QPSK	135	138	25.08	25.05	25.02	25.90
100	QPSK	270	0	25.10	25.08	25.18	25.90
100	16QAM	1	1	25.03	25.12	25.11	25.90
100	64QAM	1	1	23.67	23.73	23.67	24.40
100	256QAM	1	1	21.76	21.82	21.80	22.40
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	25.96	25.99	26.00	26.80
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	25.98	25.98	26.02	26.80
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	25.95	26.01	25.92	26.80
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	25.82	25.89	25.85	26.80
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	25.81	25.93	25.82	26.80
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	25.86	26.02	25.84	26.80
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	25.91	26.10	25.93	26.80
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	25.86	26.00	25.91	26.80
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	26.01	26.06	26.05	26.80
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	26.04	26.05	26.04	26.80
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	26.05	26.04	26.09	26.80

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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)
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Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.48	25.45	25.50	25.90
100	PI/2 BPSK	1	137	25.55	25.58	25.49	25.90
100	PI/2 BPSK	1	271	25.48	25.42	25.32	25.90
100	PI/2 BPSK	135	0	25.05	25.17	25.19	25.90
100	PI/2 BPSK	135	69	25.54	25.53	25.54	25.90
100	PI/2 BPSK	135	138	25.47	25.45	25.48	25.90
100	PI/2 BPSK	270	0	25.49	25.58	25.57	25.90
100	QPSK	1	1	25.41	25.53	25.46	25.90
100	QPSK	1	137	25.52	25.49	25.44	25.90
100	QPSK	1	271	25.50	25.43	25.40	25.90
100	QPSK	135	0	25.10	25.12	25.21	25.90
100	QPSK	135	69	25.48	25.43	25.45	25.90
100	QPSK	135	138	25.05	24.97	24.97	25.90
100	QPSK	270	0	25.08	25.05	25.15	25.90
100	16QAM	1	1	24.94	25.02	25.04	25.90
100	64QAM	1	1	23.67	23.63	23.64	24.40
100	256QAM	1	1	21.73	21.78	21.72	22.40
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.36	25.44	25.43	25.90
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.43	25.40	25.36	25.90
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.41	25.41	25.46	25.90
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.39	25.37	25.38	25.90
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.40	25.43	25.45	25.90
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.39	25.42	25.42	25.90
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.44	25.30	25.43	25.90
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	25.34	25.43	25.38	25.90
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.45	25.37	25.36	25.90
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.33	25.33	25.45	25.90
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.33	25.35	25.43	25.90

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.20	20.21	20.28	20.50
100	PI/2 BPSK	1	137	19.92	20.01	20.05	20.50
100	PI/2 BPSK	1	271	19.97	20.07	20.06	20.50
100	PI/2 BPSK	135	0	20.20	20.31	20.30	20.50
100	PI/2 BPSK	135	69	19.99	20.12	20.09	20.50
100	PI/2 BPSK	135	138	20.03	20.14	20.14	20.50
100	PI/2 BPSK	270	0	20.07	20.17	20.19	20.50
100	QPSK	1	1	20.11	20.20	20.23	20.50
100	QPSK	1	137	19.93	20.08	20.14	20.50
100	QPSK	1	271	19.99	20.09	20.05	20.50
100	QPSK	135	0	20.16	20.31	20.28	20.50
100	QPSK	135	69	20.03	20.17	20.16	20.50
100	QPSK	135	138	20.03	20.16	20.13	20.50
100	QPSK	270	0	20.14	20.22	20.15	20.50
100	16QAM	1	1	20.14	20.20	20.25	20.50
100	64QAM	1	1	20.02	20.16	20.21	20.50

100	256QAM	1	1	20.07	20.18	20.16	20.50
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	20.18	20.12	20.20	20.50
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	20.14	20.09	20.21	20.50
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	20.10	20.11	20.23	20.50
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	20.19	20.18	20.15	20.50
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	20.15	20.18	20.17	20.50
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	20.14	20.19	20.21	20.50
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	20.14	20.18	20.17	20.50
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	20.18	20.17	20.22	20.50
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	20.09	20.16	20.15	20.50
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	20.18	20.15	20.22	20.50
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	20.05	20.13	20.26	20.50

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.20	20.21	20.28	22.00
100	PI/2 BPSK	1	137	20.02	20.01	20.05	22.00
100	PI/2 BPSK	1	271	20.07	20.07	20.06	22.00
100	PI/2 BPSK	135	0	20.20	20.31	20.30	22.00
100	PI/2 BPSK	135	69	20.04	20.12	20.09	22.00
100	PI/2 BPSK	135	138	20.03	20.14	20.14	22.00
100	PI/2 BPSK	270	0	20.07	20.17	20.19	22.00
100	QPSK	1	1	20.11	20.20	20.23	22.00
100	QPSK	1	137	20.03	20.08	20.14	22.00
100	QPSK	1	271	20.04	20.09	20.05	22.00
100	QPSK	135	0	20.16	20.31	20.28	22.00
100	QPSK	135	69	20.03	20.17	20.16	22.00
100	QPSK	135	138	20.03	20.16	20.13	22.00
100	QPSK	270	0	20.14	20.22	20.15	22.00
100	16QAM	1	1	20.14	20.20	20.25	22.00
100	64QAM	1	1	20.02	20.16	20.21	22.00
100	256QAM	1	1	20.07	20.18	20.16	22.00
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	20.18	20.12	20.20	22.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	20.14	20.09	20.21	22.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	20.10	20.11	20.23	22.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	20.19	20.18	20.15	22.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	20.15	20.18	20.17	22.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)

40	PI/2 BPSK	1	1	20.14	20.19	20.21	22.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.14	20.18	20.17	22.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	20.18	20.17	20.22	22.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.09	20.16	20.15	22.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.18	20.15	20.22	22.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.05	20.13	20.26	22.00

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.20	20.21	20.28	20.50
100	PI/2 BPSK	1	137	19.92	20.01	20.05	20.50
100	PI/2 BPSK	1	271	19.97	20.07	20.06	20.50
100	PI/2 BPSK	135	0	20.20	20.31	20.30	20.50
100	PI/2 BPSK	135	69	19.99	20.12	20.09	20.50
100	PI/2 BPSK	135	138	20.03	20.14	20.14	20.50
100	PI/2 BPSK	270	0	20.07	20.17	20.19	20.50
100	QPSK	1	1	20.11	20.20	20.23	20.50
100	QPSK	1	137	19.93	20.08	20.14	20.50
100	QPSK	1	271	19.99	20.09	20.05	20.50
100	QPSK	135	0	20.16	20.31	20.28	20.50
100	QPSK	135	69	20.03	20.17	20.16	20.50
100	QPSK	135	138	20.03	20.16	20.13	20.50
100	QPSK	270	0	20.14	20.22	20.15	20.50
100	16QAM	1	1	20.14	20.20	20.25	20.50
100	64QAM	1	1	20.02	20.16	20.21	20.50
100	256QAM	1	1	20.07	20.18	20.16	20.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.18	20.12	20.20	20.50
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.14	20.09	20.21	20.50
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.10	20.11	20.23	20.50
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.19	20.18	20.15	20.50
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.15	20.18	20.17	20.50
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.14	20.19	20.21	20.50
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.14	20.18	20.17	20.50
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	20.18	20.17	20.22	20.50
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.09	20.16	20.15	20.50
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.18	20.15	20.22	20.50
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.05	20.13	20.26	20.50

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	14.91	14.80	14.73	15.70
100	PI/2 BPSK	1	137	14.85	14.81	14.73	15.70
100	PI/2 BPSK	1	271	14.91	14.91	14.71	15.70
100	PI/2 BPSK	135	0	14.83	14.79	14.66	15.70
100	PI/2 BPSK	135	69	14.72	14.75	14.66	15.70
100	PI/2 BPSK	135	138	14.72	14.69	14.67	15.70
100	PI/2 BPSK	270	0	14.88	14.81	14.66	15.70
100	QPSK	1	1	14.77	14.71	14.60	15.70
100	QPSK	1	137	14.80	14.74	14.68	15.70
100	QPSK	1	271	14.91	14.98	14.73	15.70
100	QPSK	135	0	14.84	14.80	14.68	15.70
100	QPSK	135	69	14.83	14.77	14.68	15.70
100	QPSK	135	138	14.60	14.60	14.60	15.70
100	QPSK	270	0	14.70	14.72	14.67	15.70
100	16QAM	1	1	14.90	14.96	14.73	15.70
100	64QAM	1	1	14.78	14.76	14.62	15.70
100	256QAM	1	1	14.91	15.00	14.73	15.70
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	14.88	14.75	14.69	15.70
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	14.82	14.69	14.70	15.70
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	14.84	14.75	14.71	15.70
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	14.79	14.72	14.66	15.70
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	14.89	14.71	14.68	15.70
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	14.78	14.78	14.64	15.70
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	14.86	14.70	14.66	15.70
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	14.79	14.65	14.62	15.70
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	14.89	14.73	14.70	15.70
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	14.86	14.75	14.68	15.70
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	14.80	14.76	14.67	15.70

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	13.98	13.84	13.75	14.30
100	PI/2 BPSK	1	137	13.96	13.81	13.82	14.30
100	PI/2 BPSK	1	271	13.97	13.99	13.75	14.30
100	PI/2 BPSK	135	0	13.88	13.83	13.73	14.30
100	PI/2 BPSK	135	69	13.79	13.82	13.74	14.30
100	PI/2 BPSK	135	138	13.87	13.70	13.77	14.30

100	PI/2 BPSK	270	0	13.86	13.89	13.76	14.30
100	QPSK	1	1	13.85	13.81	13.66	14.30
100	QPSK	1	137	13.79	13.78	13.68	14.30
100	QPSK	1	271	13.95	14.03	13.78	14.30
100	QPSK	135	0	13.93	13.86	13.77	14.30
100	QPSK	135	69	13.75	13.86	13.73	14.30
100	QPSK	135	138	13.63	13.70	13.69	14.30
100	QPSK	270	0	13.82	13.79	13.73	14.30
100	16QAM	1	1	13.91	13.98	13.73	14.30
100	64QAM	1	1	13.83	13.81	13.65	14.30
100	256QAM	1	1	13.97	14.06	13.82	14.30
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	13.84	13.72	13.72	14.30
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	13.91	13.74	13.63	14.30
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	13.93	13.70	13.60	14.30
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	13.86	13.83	13.74	14.30
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	13.86	13.72	13.71	14.30
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	13.91	13.82	13.68	14.30
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	13.94	13.75	13.65	14.30
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	13.87	13.74	13.73	14.30
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	13.90	13.72	13.70	14.30
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	13.85	13.77	13.67	14.30
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	13.84	13.80	13.64	14.30

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	14.91	14.80	14.73	15.20
100	PI/2 BPSK	1	137	14.85	14.81	14.73	15.20
100	PI/2 BPSK	1	271	14.91	14.91	14.71	15.20
100	PI/2 BPSK	135	0	14.83	14.79	14.66	15.20
100	PI/2 BPSK	135	69	14.72	14.75	14.66	15.20
100	PI/2 BPSK	135	138	14.72	14.69	14.67	15.20
100	PI/2 BPSK	270	0	14.88	14.81	14.66	15.20
100	QPSK	1	1	14.77	14.71	14.60	15.20
100	QPSK	1	137	14.80	14.74	14.68	15.20
100	QPSK	1	271	14.91	14.98	14.73	15.20
100	QPSK	135	0	14.84	14.80	14.68	15.20
100	QPSK	135	69	14.83	14.77	14.68	15.20
100	QPSK	135	138	14.60	14.60	14.60	15.20
100	QPSK	270	0	14.70	14.72	14.67	15.20
100	16QAM	1	1	14.90	14.96	14.73	15.20
100	64QAM	1	1	14.78	14.76	14.62	15.20
100	256QAM	1	1	14.91	15.00	14.73	15.20
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	14.88	14.75	14.69	15.20
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	14.82	14.69	14.70	15.20
Channel				506202	518598	531000	Tune-up limit

	Frequency (MHz)			2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	14.84	14.75	14.71	15.20
	Channel			505200	518598	531996	Tune-up limit
	Frequency (MHz)			2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	14.79	14.72	14.66	15.20
	Channel			504204	518598	532998	Tune-up limit
	Frequency (MHz)			2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	14.89	14.71	14.68	15.20
	Channel			503202	518598	534000	Tune-up limit
	Frequency (MHz)			2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	14.78	14.78	14.64	15.20
	Channel			502200	518598	534996	Tune-up limit
	Frequency (MHz)			2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	14.86	14.70	14.66	15.20
	Channel			501702	518598	535500	Tune-up limit
	Frequency (MHz)			2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	14.79	14.65	14.62	15.20
	Channel			501204	518598	535998	Tune-up limit
	Frequency (MHz)			2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	14.89	14.73	14.70	15.20
	Channel			500700	518598	536496	Tune-up limit
	Frequency (MHz)			2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	14.86	14.75	14.68	15.20
	Channel			500202	518598	537000	Tune-up limit
	Frequency (MHz)			2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	14.80	14.76	14.67	15.20

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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			509202	518598	528000	
	Frequency (MHz)			2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.92	16.94	16.66	17.30
100	PI/2 BPSK	1	137	16.75	16.78	16.36	17.30
100	PI/2 BPSK	1	271	16.92	17.04	16.66	17.30
100	PI/2 BPSK	135	0	16.77	16.81	16.38	17.30
100	PI/2 BPSK	135	69	16.66	16.75	16.40	17.30
100	PI/2 BPSK	135	138	16.62	16.75	16.45	17.30
100	PI/2 BPSK	270	0	16.85	16.98	16.60	17.30
100	QPSK	1	1	16.63	16.72	16.40	17.30
100	QPSK	1	137	16.67	16.71	16.34	17.30
100	QPSK	1	271	16.92	17.03	16.66	17.30
100	QPSK	135	0	16.75	16.79	16.38	17.30
100	QPSK	135	69	16.75	16.78	16.36	17.30
100	QPSK	135	138	16.53	16.62	16.21	17.30
100	QPSK	270	0	16.71	16.74	16.34	17.30
100	16QAM	1	1	16.83	16.92	16.55	17.30
100	64QAM	1	1	16.68	16.75	16.32	17.30
100	256QAM	1	1	16.92	17.13	16.66	17.30
	Channel			508200	518598	528996	Tune-up limit
	Frequency (MHz)			2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	16.84	16.91	16.52	17.30
	Channel			507204	518598	529998	Tune-up limit
	Frequency (MHz)			2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	16.86	16.82	16.57	17.30
	Channel			506202	518598	531000	Tune-up limit
	Frequency (MHz)			2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	16.91	16.91	16.59	17.30
	Channel			505200	518598	531996	Tune-up limit
	Frequency (MHz)			2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	16.88	16.92	16.55	17.30
	Channel			504204	518598	532998	Tune-up limit
	Frequency (MHz)			2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	16.85	16.92	16.65	17.30
	Channel			503202	518598	534000	Tune-up limit
	Frequency (MHz)			2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	16.79	16.89	16.57	17.30
	Channel			502200	518598	534996	Tune-up limit
	Frequency (MHz)			2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	16.82	16.82	16.61	17.30
	Channel			501702	518598	535500	Tune-up limit
	Frequency (MHz)			2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	16.84	16.91	16.59	17.30
	Channel			501204	518598	535998	Tune-up limit

Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	16.79	16.80	16.64	17.30
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	16.91	16.85	16.58	17.30
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	16.81	16.79	16.54	17.30

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	14.91	14.80	14.73	15.20
100	PI/2 BPSK	1	137	14.85	14.81	14.73	15.20
100	PI/2 BPSK	1	271	14.91	14.91	14.71	15.20
100	PI/2 BPSK	135	0	14.83	14.79	14.66	15.20
100	PI/2 BPSK	135	69	14.72	14.75	14.66	15.20
100	PI/2 BPSK	135	138	14.72	14.69	14.67	15.20
100	PI/2 BPSK	270	0	14.88	14.81	14.66	15.20
100	QPSK	1	1	14.77	14.71	14.60	15.20
100	QPSK	1	137	14.80	14.74	14.68	15.20
100	QPSK	1	271	14.91	14.98	14.73	15.20
100	QPSK	135	0	14.84	14.80	14.68	15.20
100	QPSK	135	69	14.83	14.77	14.68	15.20
100	QPSK	135	138	14.60	14.60	14.60	15.20
100	QPSK	270	0	14.70	14.72	14.67	15.20
100	16QAM	1	1	14.90	14.96	14.73	15.20
100	64QAM	1	1	14.78	14.76	14.62	15.20
100	256QAM	1	1	14.91	15.00	14.73	15.20
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	14.88	14.75	14.69	15.20
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	14.82	14.69	14.70	15.20
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	14.84	14.75	14.71	15.20
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	14.79	14.72	14.66	15.20
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	14.89	14.71	14.68	15.20
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	14.78	14.78	14.64	15.20
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	14.86	14.70	14.66	15.20
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	14.79	14.65	14.62	15.20
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	14.89	14.73	14.70	15.20
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	14.86	14.75	14.68	15.20
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	14.80	14.76	14.67	15.20

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BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit
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				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.	(dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.77	17.79	17.70	18.70
100	PI/2 BPSK	1	137	17.60	17.67	17.60	18.70
100	PI/2 BPSK	1	271	17.76	17.96	17.68	18.70
100	PI/2 BPSK	135	0	17.71	17.76	17.60	18.70
100	PI/2 BPSK	135	69	17.61	17.70	17.61	18.70
100	PI/2 BPSK	135	138	17.61	17.63	17.60	18.70
100	PI/2 BPSK	270	0	17.73	17.79	17.64	18.70
100	QPSK	1	1	17.77	17.83	17.69	18.70
100	QPSK	1	137	17.65	17.72	17.62	18.70
100	QPSK	1	271	17.77	17.99	17.70	18.70
100	QPSK	135	0	17.62	17.79	17.69	18.70
100	QPSK	135	69	17.63	17.77	17.60	18.70
100	QPSK	135	138	17.62	17.62	17.60	18.70
100	QPSK	270	0	17.61	17.68	17.60	18.70
100	16QAM	1	1	17.66	17.69	17.61	18.70
100	64QAM	1	1	17.60	17.67	17.60	18.70
100	256QAM	1	1	17.74	17.88	17.68	18.70
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	17.69	17.75	17.68	18.70
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	17.69	17.73	17.60	18.70
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	17.72	17.77	17.60	18.70
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	17.71	17.65	17.62	18.70
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	17.71	17.69	17.60	18.70
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	17.70	17.65	17.61	18.70
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	17.69	17.74	17.60	18.70
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	17.68	17.71	17.69	18.70
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	17.68	17.68	17.60	18.70
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	17.74	17.70	17.61	18.70
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	17.73	17.66	17.60	18.70

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.92	16.83	16.72	17.30
100	PI/2 BPSK	1	137	16.75	16.73	16.60	17.30
100	PI/2 BPSK	1	271	16.93	17.02	16.71	17.30
100	PI/2 BPSK	135	0	16.79	16.85	16.66	17.30
100	PI/2 BPSK	135	69	16.77	16.76	16.62	17.30
100	PI/2 BPSK	135	138	16.74	16.69	16.65	17.30
100	PI/2 BPSK	270	0	16.92	16.82	16.65	17.30
100	QPSK	1	1	16.86	16.90	16.78	17.30
100	QPSK	1	137	16.75	16.78	16.71	17.30
100	QPSK	1	271	16.95	17.02	16.80	17.30
100	QPSK	135	0	16.86	16.83	16.76	17.30
100	QPSK	135	69	16.80	16.83	16.65	17.30
100	QPSK	135	138	16.73	16.67	16.62	17.30
100	QPSK	270	0	16.71	16.68	16.62	17.30

100	16QAM	1	1	16.72	16.75	16.63	17.30
100	64QAM	1	1	16.71	16.69	16.68	17.30
100	256QAM	1	1	16.91	16.93	16.71	17.30
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	16.90	16.75	16.67	17.30
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	16.78	16.71	16.67	17.30
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	16.89	16.71	16.57	17.30
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	16.87	16.71	16.57	17.30
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	16.85	16.72	16.64	17.30
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	16.91	16.75	16.58	17.30
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	16.80	16.73	16.71	17.30
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	16.85	16.80	16.62	17.30
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	16.88	16.78	16.70	17.30
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	16.91	16.70	16.69	17.30
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	16.91	16.76	16.71	17.30

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.77	17.79	17.70	18.20
100	PI/2 BPSK	1	137	17.60	17.67	17.60	18.20
100	PI/2 BPSK	1	271	17.76	17.96	17.68	18.20
100	PI/2 BPSK	135	0	17.71	17.76	17.60	18.20
100	PI/2 BPSK	135	69	17.61	17.70	17.61	18.20
100	PI/2 BPSK	135	138	17.61	17.63	17.60	18.20
100	PI/2 BPSK	270	0	17.73	17.79	17.64	18.20
100	QPSK	1	1	17.77	17.83	17.69	18.20
100	QPSK	1	137	17.65	17.72	17.62	18.20
100	QPSK	1	271	17.77	17.99	17.70	18.20
100	QPSK	135	0	17.62	17.79	17.69	18.20
100	QPSK	135	69	17.63	17.77	17.60	18.20
100	QPSK	135	138	17.62	17.62	17.60	18.20
100	QPSK	270	0	17.61	17.68	17.60	18.20
100	16QAM	1	1	17.66	17.69	17.61	18.20
100	64QAM	1	1	17.60	17.67	17.60	18.20
100	256QAM	1	1	17.74	17.88	17.68	18.20
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	17.69	17.75	17.68	18.20
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	17.69	17.73	17.60	18.20
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	17.72	17.77	17.60	18.20
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	17.71	17.65	17.62	18.20
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	17.71	17.69	17.60	18.20

Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	17.70	17.65	17.61	18.20
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	17.69	17.74	17.60	18.20
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	17.68	17.71	17.69	18.20
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	17.68	17.68	17.60	18.20
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	17.74	17.70	17.61	18.20
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	17.73	17.66	17.60	18.20

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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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.02	20.04	20.03	20.30
100	PI/2 BPSK	1	137	19.79	19.95	19.82	20.30
100	PI/2 BPSK	1	271	19.97	20.06	20.01	20.30
100	PI/2 BPSK	135	0	19.81	19.89	19.86	20.30
100	PI/2 BPSK	135	69	19.67	19.80	19.67	20.30
100	PI/2 BPSK	135	138	19.70	19.76	19.74	20.30
100	PI/2 BPSK	270	0	19.76	19.90	19.86	20.30
100	QPSK	1	1	19.78	19.93	19.90	20.30
100	QPSK	1	137	19.76	19.91	19.80	20.30
100	QPSK	1	271	19.77	19.89	19.81	20.30
100	QPSK	135	0	19.83	19.87	19.77	20.30
100	QPSK	135	69	19.83	19.88	19.76	20.30
100	QPSK	135	138	19.67	19.71	19.59	20.30
100	QPSK	270	0	19.85	19.91	19.83	20.30
100	16QAM	1	1	19.71	19.79	19.68	20.30
100	64QAM	1	1	19.67	19.72	19.66	20.30
100	256QAM	1	1	18.97	19.14	19.02	20.30
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	19.93	19.97	19.99	20.30
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	19.99	19.90	19.89	20.30
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	19.98	19.95	20.01	20.30
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	19.89	20.00	19.98	20.30
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	19.97	19.98	20.00	20.30
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	19.95	19.90	20.00	20.30
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	19.91	19.89	19.99	20.30
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	19.87	19.98	19.94	20.30
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	19.98	19.98	19.94	20.30
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	19.94	20.03	19.92	20.30
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	19.96	19.96	19.89	20.30

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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				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.77	17.79	17.70	18.20
100	PI/2 BPSK	1	137	17.60	17.67	17.60	18.20
100	PI/2 BPSK	1	271	17.76	17.96	17.68	18.20
100	PI/2 BPSK	135	0	17.71	17.76	17.60	18.20
100	PI/2 BPSK	135	69	17.61	17.70	17.61	18.20
100	PI/2 BPSK	135	138	17.61	17.63	17.60	18.20
100	PI/2 BPSK	270	0	17.73	17.79	17.64	18.20
100	QPSK	1	1	17.77	17.83	17.69	18.20
100	QPSK	1	137	17.65	17.72	17.62	18.20
100	QPSK	1	271	17.77	17.99	17.70	18.20
100	QPSK	135	0	17.62	17.79	17.69	18.20
100	QPSK	135	69	17.63	17.77	17.60	18.20
100	QPSK	135	138	17.62	17.62	17.60	18.20
100	QPSK	270	0	17.61	17.68	17.60	18.20
100	16QAM	1	1	17.66	17.69	17.61	18.20
100	64QAM	1	1	17.60	17.67	17.60	18.20
100	256QAM	1	1	17.74	17.88	17.68	18.20
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.69	17.75	17.68	18.20
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.69	17.73	17.60	18.20
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	17.72	17.77	17.60	18.20
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.71	17.65	17.62	18.20
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	17.71	17.69	17.60	18.20
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	17.70	17.65	17.61	18.20
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	17.69	17.74	17.60	18.20
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	17.68	17.71	17.69	18.20
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.68	17.68	17.60	18.20
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.74	17.70	17.61	18.20
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.73	17.66	17.60	18.20

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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	13.59	15.08	13.59	14.00	15.50	14.00
40	PI/2 BPSK	1	104	13.43	15.30	13.72	13.50	15.50	14.00
40	PI/2 BPSK	50	25	13.53	19.62	13.71	14.00	21.30	14.00
40	PI/2 BPSK	1	0	13.62	15.10	13.60	14.00	15.50	14.00
40	PI/2 BPSK	1	105	13.45	15.11	13.69	13.50	15.50	14.00
40	PI/2 BPSK	100	0	13.69	18.12	13.75	14.00	18.50	14.00
40	QPSK	1	1	13.59	14.99	13.70	14.00	15.00	14.00
40	QPSK	1	104	13.60	15.22	13.76	14.00	15.50	14.00
40	QPSK	50	25	13.49	19.66	13.72	13.50	21.30	14.00
40	QPSK	1	0	13.62	15.01	13.67	14.00	15.50	14.00
40	QPSK	1	105	13.53	15.19	13.70	14.00	15.50	14.00
40	QPSK	100	0	13.52	17.13	13.81	14.00	17.50	14.00
40	16QAM	1	1	13.15	15.02	13.18	13.50	15.50	13.50
40	64QAM	1	1	12.94	15.01	13.15	13.00	15.50	13.50
40	256QAM	1	1	12.86	14.20	12.90	13.00	14.50	13.00
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.57	15.18	13.75	14.00	15.50	14.00
30	PI/2 BPSK	1	76	13.45	15.31	13.70	13.50	15.50	14.00
30	PI/2 BPSK	36	18	13.48	19.58	18.97	13.50	21.30	19.00
30	PI/2 BPSK	1	0	13.63	15.19	13.83	14.00	15.50	14.00
30	PI/2 BPSK	1	77	13.36	15.23	13.84	13.50	15.50	14.00
30	PI/2 BPSK	75	0	13.43	15.06	13.75	13.50	15.50	14.00
30	QPSK	1	1	13.61	15.17	13.85	14.00	15.50	14.00
30	QPSK	1	76	13.45	15.33	13.87	13.50	15.50	14.00
30	QPSK	36	18	13.43	18.98	18.98	13.50	19.00	19.00
30	QPSK	1	0	13.49	15.14	13.81	13.50	15.50	14.00
30	QPSK	1	77	13.59	15.25	13.88	14.00	15.50	14.00
30	QPSK	75	0	13.47	15.16	13.80	13.50	15.50	14.00
30	16QAM	1	1	13.14	18.17	13.39	13.50	18.50	13.50
30	64QAM	1	1	13.08	16.70	13.21	13.50	17.00	13.50
30	256QAM	1	1	12.82	14.40	14.44	13.00	14.50	14.50
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	18.94	19.58	19.65	19.00	21.30	21.30
20	PI/2 BPSK	1	49	18.99	19.62	19.66	19.00	21.30	21.30
20	PI/2 BPSK	25	12	18.93	19.63	19.63	19.00	21.30	21.30
20	PI/2 BPSK	1	0	18.39	18.52	18.59	18.50	19.00	19.00
20	PI/2 BPSK	1	50	18.46	18.63	18.50	18.50	19.00	18.50
20	PI/2 BPSK	50	0	18.01	18.15	18.15	18.50	18.50	18.50
20	QPSK	1	1	19.55	19.55	19.70	21.30	21.30	21.30
20	QPSK	1	49	19.53	19.66	19.52	21.30	21.30	21.30
20	QPSK	25	12	18.94	19.61	19.67	19.00	21.30	21.30
20	QPSK	1	0	17.89	18.06	18.16	18.00	18.50	18.50
20	QPSK	1	50	17.98	18.19	18.06	18.00	18.50	18.50
20	QPSK	50	0	17.05	17.15	17.15	17.50	17.50	17.50
20	16QAM	1	1	17.94	18.08	18.10	18.00	18.50	18.50
20	64QAM	1	1	16.48	16.65	16.79	16.50	17.00	17.00
20	256QAM	1	1	14.47	14.45	14.57	14.50	14.50	15.00
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



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15	PI/2 BPSK	1	1	19.53	19.62	19.63	21.30	21.30	21.30
15	PI/2 BPSK	1	36	18.97	19.55	19.62	19.00	21.30	21.30
15	PI/2 BPSK	18	9	18.73	18.96	19.58	19.00	19.00	21.30
15	PI/2 BPSK	1	0	18.41	18.60	18.60	18.50	19.00	19.00
15	PI/2 BPSK	1	37	18.38	18.62	15.18	18.50	19.00	15.50
15	PI/2 BPSK	36	0	18.01	18.07	18.16	18.50	18.50	18.50
15	QPSK	1	1	19.51	19.71	19.71	21.30	21.30	21.30
15	QPSK	1	36	18.89	19.68	19.66	19.00	21.30	21.30
15	QPSK	18	9	18.85	19.57	19.68	19.00	21.30	21.30
15	QPSK	1	0	18.01	18.12	18.27	18.50	18.50	18.50
15	QPSK	1	37	17.94	18.19	15.20	18.00	18.50	15.50
15	QPSK	36	0	16.95	17.04	15.29	17.00	17.50	15.50
15	16QAM	1	1	17.87	18.10	18.22	18.00	18.50	18.50
15	64QAM	1	1	16.55	16.66	16.93	17.00	17.00	17.00
15	256QAM	1	1	14.25	14.34	14.50	14.50	14.50	14.50
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	18.85	19.57	19.65	19.00	21.30	21.30
10	PI/2 BPSK	1	22	18.83	19.62	19.70	19.00	21.30	21.30
10	PI/2 BPSK	12	6	18.76	18.97	19.62	19.00	19.00	21.30
10	PI/2 BPSK	1	0	18.35	18.57	18.66	18.50	19.00	19.00
10	PI/2 BPSK	1	23	18.40	18.63	18.74	18.50	19.00	19.00
10	PI/2 BPSK	24	0	17.88	18.06	18.21	18.00	18.50	18.50
10	QPSK	1	1	18.94	19.75	19.70	19.00	21.30	21.30
10	QPSK	1	22	18.96	19.73	19.80	19.00	21.30	21.30
10	QPSK	12	6	18.79	19.55	19.72	19.00	21.30	21.30
10	QPSK	1	0	17.91	18.15	18.19	18.00	18.50	18.50
10	QPSK	1	23	17.94	18.16	18.32	18.00	18.50	18.50
10	QPSK	24	0	16.86	17.08	17.18	17.00	17.50	17.50
10	16QAM	1	1	17.85	18.14	18.22	18.00	18.50	18.50
10	64QAM	1	1	16.41	16.75	16.83	16.50	17.00	17.00
10	256QAM	1	1	14.22	14.52	14.57	14.50	15.00	15.00

<FR1 n48_Ant 6_ECI 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	13.59	15.08	13.59	14.00	15.50	14.00
40	PI/2 BPSK	1	104	13.43	15.30	13.72	13.50	15.50	14.00
40	PI/2 BPSK	50	25	13.53	19.12	13.71	14.00	19.80	14.00
40	PI/2 BPSK	1	0	13.62	15.10	13.60	14.00	15.50	14.00
40	PI/2 BPSK	1	105	13.45	15.11	13.69	13.50	15.50	14.00
40	PI/2 BPSK	100	0	13.69	18.12	13.75	14.00	18.50	14.00
40	QPSK	1	1	13.59	14.99	13.70	14.00	15.00	14.00
40	QPSK	1	104	13.60	15.22	13.76	14.00	15.50	14.00
40	QPSK	50	25	13.49	19.16	13.72	13.50	19.80	14.00
40	QPSK	1	0	13.62	15.01	13.67	14.00	15.50	14.00
40	QPSK	1	105	13.53	15.19	13.70	14.00	15.50	14.00
40	QPSK	100	0	13.52	17.13	13.81	14.00	17.50	14.00
40	16QAM	1	1	13.15	15.02	13.18	13.50	15.50	13.50
40	64QAM	1	1	12.94	15.01	13.15	13.00	15.50	13.50
40	256QAM	1	1	12.86	14.20	12.90	13.00	14.50	13.00
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.57	15.18	13.75	14.00	15.50	14.00
30	PI/2 BPSK	1	76	13.45	15.31	13.70	13.50	15.50	14.00
30	PI/2 BPSK	36	18	13.48	19.08	18.97	13.50	19.80	19.00
30	PI/2 BPSK	1	0	13.63	15.19	13.83	14.00	15.50	14.00
30	PI/2 BPSK	1	77	13.36	15.23	13.84	13.50	15.50	14.00
30	PI/2 BPSK	75	0	13.43	15.06	13.75	13.50	15.50	14.00
30	QPSK	1	1	13.61	15.17	13.85	14.00	15.50	14.00
30	QPSK	1	76	13.45	15.33	13.87	13.50	15.50	14.00
30	QPSK	36	18	13.43	18.98	18.98	13.50	19.00	19.00
30	QPSK	1	0	13.49	15.14	13.81	13.50	15.50	14.00
30	QPSK	1	77	13.59	15.25	13.88	14.00	15.50	14.00
30	QPSK	75	0	13.47	15.16	13.80	13.50	15.50	14.00
30	16QAM	1	1	13.14	18.17	13.39	13.50	18.50	13.50
30	64QAM	1	1	13.08	16.70	13.21	13.50	17.00	13.50
30	256QAM	1	1	12.82	14.40	14.44	13.00	14.50	14.50
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	18.94	19.08	19.15	19.00	19.80	19.80
20	PI/2 BPSK	1	49	18.99	19.12	19.16	19.00	19.80	19.80
20	PI/2 BPSK	25	12	18.93	19.13	19.13	19.00	19.80	19.80
20	PI/2 BPSK	1	0	18.39	18.52	18.59	18.50	19.00	19.00
20	PI/2 BPSK	1	50	18.46	18.63	18.50	18.50	19.00	18.50
20	PI/2 BPSK	50	0	18.01	18.15	18.15	18.50	18.50	18.50
20	QPSK	1	1	19.05	19.05	19.20	19.80	19.80	19.80
20	QPSK	1	49	19.03	19.16	19.02	19.80	19.80	19.80
20	QPSK	25	12	18.94	19.11	19.17	19.00	19.80	19.80
20	QPSK	1	0	17.89	18.06	18.16	18.00	18.50	18.50
20	QPSK	1	50	17.98	18.19	18.06	18.00	18.50	18.50
20	QPSK	50	0	17.05	17.15	17.15	17.50	17.50	17.50
20	16QAM	1	1	17.94	18.08	18.10	18.00	18.50	18.50
20	64QAM	1	1	16.48	16.65	16.79	16.50	17.00	17.00
20	256QAM	1	1	14.47	14.45	14.57	14.50	14.50	15.00
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



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15	PI/2 BPSK	1	1	19.03	19.12	19.13	19.80	19.80	19.80
15	PI/2 BPSK	1	36	18.97	19.05	19.12	19.00	19.80	19.80
15	PI/2 BPSK	18	9	18.73	18.96	19.08	19.00	19.00	19.80
15	PI/2 BPSK	1	0	18.41	18.60	18.60	18.50	19.00	19.00
15	PI/2 BPSK	1	37	18.38	18.62	15.18	18.50	19.00	15.50
15	PI/2 BPSK	36	0	18.01	18.07	18.16	18.50	18.50	18.50
15	QPSK	1	1	19.01	19.21	19.21	19.80	19.80	19.80
15	QPSK	1	36	18.89	19.18	19.16	19.00	19.80	19.80
15	QPSK	18	9	18.85	19.07	19.18	19.00	19.80	19.80
15	QPSK	1	0	18.01	18.12	18.27	18.50	18.50	18.50
15	QPSK	1	37	17.94	18.19	15.20	18.00	18.50	15.50
15	QPSK	36	0	16.95	17.04	15.29	17.00	17.50	15.50
15	16QAM	1	1	17.87	18.10	18.22	18.00	18.50	18.50
15	64QAM	1	1	16.55	16.66	16.93	17.00	17.00	17.00
15	256QAM	1	1	14.25	14.34	14.50	14.50	14.50	14.50
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	18.85	19.07	19.15	19.00	19.80	19.80
10	PI/2 BPSK	1	22	18.83	19.12	19.20	19.00	19.80	19.80
10	PI/2 BPSK	12	6	18.76	18.97	19.12	19.00	19.00	19.80
10	PI/2 BPSK	1	0	18.35	18.57	18.66	18.50	19.00	19.00
10	PI/2 BPSK	1	23	18.40	18.63	18.74	18.50	19.00	19.00
10	PI/2 BPSK	24	0	17.88	18.06	18.21	18.00	18.50	18.50
10	QPSK	1	1	18.94	19.25	19.20	19.00	19.80	19.80
10	QPSK	1	22	18.96	19.23	19.30	19.00	19.80	19.80
10	QPSK	12	6	18.79	19.05	19.22	19.00	19.80	19.80
10	QPSK	1	0	17.91	18.15	18.19	18.00	18.50	18.50
10	QPSK	1	23	17.94	18.16	18.32	18.00	18.50	18.50
10	QPSK	24	0	16.86	17.08	17.18	17.00	17.50	17.50
10	16QAM	1	1	17.85	18.14	18.22	18.00	18.50	18.50
10	64QAM	1	1	16.41	16.75	16.83	16.50	17.00	17.00
10	256QAM	1	1	14.22	14.52	14.57	14.50	15.00	15.00



<FR1 n48_Ant 6_ECI 5/6 >							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	13.59	15.08	13.59	14.00	15.50	14.00
40	PI/2 BPSK	1	104	13.43	15.30	13.72	13.50	15.50	14.00
40	PI/2 BPSK	50	25	13.53	15.84	13.71	14.00	17.30	14.00
40	PI/2 BPSK	1	0	13.62	15.10	13.60	14.00	15.50	14.00
40	PI/2 BPSK	1	105	13.45	15.11	13.69	13.50	15.50	14.00
40	PI/2 BPSK	100	0	13.69	15.86	13.75	14.00	17.30	14.00
40	QPSK	1	1	13.59	14.99	13.70	14.00	15.00	14.00
40	QPSK	1	104	13.60	15.22	13.76	14.00	15.50	14.00
40	QPSK	50	25	13.49	15.84	13.72	13.50	17.30	14.00
40	QPSK	1	0	13.62	15.01	13.67	14.00	15.50	14.00
40	QPSK	1	105	13.53	15.19	13.70	14.00	15.50	14.00
40	QPSK	100	0	13.52	15.79	13.81	14.00	17.30	14.00
40	16QAM	1	1	13.15	15.02	13.18	13.50	15.50	13.50
40	64QAM	1	1	12.94	15.01	13.15	13.00	15.50	13.50
40	256QAM	1	1	12.86	14.20	12.90	13.00	14.50	13.00
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.57	15.18	13.75	14.00	15.50	14.00
30	PI/2 BPSK	1	76	13.45	15.31	13.70	13.50	15.50	14.00
30	PI/2 BPSK	36	18	13.48	15.85	15.93	13.50	17.30	17.30
30	PI/2 BPSK	1	0	13.63	15.19	13.83	14.00	15.50	14.00
30	PI/2 BPSK	1	77	13.36	15.23	13.84	13.50	15.50	14.00
30	PI/2 BPSK	75	0	13.43	15.06	13.75	13.50	15.50	14.00
30	QPSK	1	1	13.61	15.17	13.85	14.00	15.50	14.00
30	QPSK	1	76	13.45	15.33	13.87	13.50	15.50	14.00
30	QPSK	36	18	13.43	15.82	15.95	13.50	17.30	17.30
30	QPSK	1	0	13.49	15.14	13.81	13.50	15.50	14.00
30	QPSK	1	77	13.59	15.25	13.88	14.00	15.50	14.00
30	QPSK	75	0	13.47	15.16	13.80	13.50	15.50	14.00
30	16QAM	1	1	13.14	15.86	13.39	13.50	17.30	13.50
30	64QAM	1	1	13.08	16.70	13.21	13.50	17.00	13.50
30	256QAM	1	1	12.82	14.40	14.44	13.00	14.50	14.50
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	15.75	15.82	15.94	17.30	17.30	17.30
20	PI/2 BPSK	1	49	15.85	15.88	16.01	17.30	17.30	17.30
20	PI/2 BPSK	25	12	15.87	15.84	16.04	17.30	17.30	17.30
20	PI/2 BPSK	1	0	15.82	15.85	16.00	17.30	17.30	17.30
20	PI/2 BPSK	1	50	15.75	15.80	15.94	17.30	17.30	17.30
20	PI/2 BPSK	50	0	15.83	15.83	15.96	17.30	17.30	17.30
20	QPSK	1	1	15.80	15.81	16.00	17.30	17.30	17.30
20	QPSK	1	49	15.75	15.78	15.97	17.30	17.30	17.30
20	QPSK	25	12	15.78	15.84	15.95	17.30	17.30	17.30
20	QPSK	1	0	15.81	15.78	16.01	17.30	17.30	17.30
20	QPSK	1	50	15.83	15.88	15.99	17.30	17.30	17.30
20	QPSK	50	0	15.78	15.86	16.00	17.30	17.30	17.30
20	16QAM	1	1	15.81	15.85	15.91	17.30	17.30	17.30
20	64QAM	1	1	16.48	16.65	16.79	16.50	17.00	17.00
20	256QAM	1	1	14.47	14.45	14.57	14.50	14.50	15.00
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



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15	PI/2 BPSK	1	1	15.73	15.83	15.93	17.30	17.30	17.30
15	PI/2 BPSK	1	36	15.85	15.82	15.91	17.30	17.30	17.30
15	PI/2 BPSK	18	9	15.78	15.88	15.91	17.30	17.30	17.30
15	PI/2 BPSK	1	0	15.77	15.78	15.92	17.30	17.30	17.30
15	PI/2 BPSK	1	37	15.75	15.78	15.18	17.30	17.30	15.50
15	PI/2 BPSK	36	0	15.76	15.79	15.95	17.30	17.30	17.30
15	QPSK	1	1	15.76	15.83	15.92	17.30	17.30	17.30
15	QPSK	1	36	15.75	15.83	15.92	17.30	17.30	17.30
15	QPSK	18	9	15.83	15.85	15.99	17.30	17.30	17.30
15	QPSK	1	0	15.83	15.88	15.91	17.30	17.30	17.30
15	QPSK	1	37	15.82	15.78	15.20	17.30	17.30	15.50
15	QPSK	36	0	15.85	15.80	15.29	17.00	17.30	15.50
15	16QAM	1	1	15.85	15.87	15.97	17.30	17.30	17.30
15	64QAM	1	1	15.77	15.86	15.95	17.00	17.00	17.00
15	256QAM	1	1	14.25	14.34	14.50	14.50	14.50	14.50
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	15.77	15.85	15.95	17.30	17.30	17.30
10	PI/2 BPSK	1	22	15.80	15.80	15.92	17.30	17.30	17.30
10	PI/2 BPSK	12	6	15.75	15.81	15.95	17.30	17.30	17.30
10	PI/2 BPSK	1	0	15.80	15.79	16.01	17.30	17.30	17.30
10	PI/2 BPSK	1	23	15.79	15.85	16.01	17.30	17.30	17.30
10	PI/2 BPSK	24	0	15.85	15.80	16.01	17.30	17.30	17.30
10	QPSK	1	1	15.82	15.82	15.92	17.30	17.30	17.30
10	QPSK	1	22	15.77	15.79	15.98	17.30	17.30	17.30
10	QPSK	12	6	15.85	15.85	15.93	17.30	17.30	17.30
10	QPSK	1	0	15.81	15.79	15.97	17.30	17.30	17.30
10	QPSK	1	23	15.76	15.84	15.96	17.30	17.30	17.30
10	QPSK	24	0	15.79	15.78	16.00	17.00	17.30	17.30
10	16QAM	1	1	15.78	15.88	15.91	17.30	17.30	17.30
10	64QAM	1	1	15.75	15.81	15.91	16.50	17.00	17.00
10	256QAM	1	1	14.22	14.52	14.57	14.50	15.00	15.00



<FR1 n48_Ant 7_ECI 2 / 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	13.48	14.92	13.47	13.50	15.00	13.50
40	PI/2 BPSK	1	104	13.40	14.80	13.51	13.50	15.00	14.00
40	PI/2 BPSK	50	25	13.52	18.71	13.50	14.00	20.30	13.50
40	PI/2 BPSK	1	0	13.38	14.74	13.46	13.50	15.00	13.50
40	PI/2 BPSK	1	105	13.47	14.85	13.38	13.50	15.00	13.50
40	PI/2 BPSK	100	0	13.54	17.70	13.46	14.00	18.00	13.50
40	QPSK	1	1	13.57	15.02	13.57	14.00	15.50	14.00
40	QPSK	1	104	13.41	14.82	13.49	13.50	15.00	13.50
40	QPSK	50	25	13.42	18.74	13.47	13.50	20.30	13.50
40	QPSK	1	0	13.46	14.71	13.51	13.50	15.00	14.00
40	QPSK	1	105	13.64	14.80	13.49	14.00	15.00	13.50
40	QPSK	100	0	13.43	16.80	13.56	13.50	17.00	14.00
40	16QAM	1	1	13.01	14.73	13.12	13.50	15.00	13.50
40	64QAM	1	1	12.99	14.89	13.00	13.00	15.00	13.00
40	256QAM	1	1	12.69	14.06	12.76	13.00	14.50	13.00
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.39	14.81	13.65	13.50	15.00	14.00
30	PI/2 BPSK	1	76	13.43	14.78	13.50	13.50	15.00	13.50
30	PI/2 BPSK	36	18	13.41	18.71	18.69	13.50	20.30	20.30
30	PI/2 BPSK	1	0	13.40	14.83	13.60	13.50	15.00	14.00
30	PI/2 BPSK	1	77	13.41	14.78	13.37	13.50	15.00	13.50
30	PI/2 BPSK	75	0	13.39	14.75	13.64	13.50	15.00	14.00
30	QPSK	1	1	13.46	15.08	13.57	13.50	15.50	14.00
30	QPSK	1	76	13.55	14.92	13.55	14.00	15.00	14.00
30	QPSK	36	18	13.36	18.76	18.68	13.50	20.30	20.30
30	QPSK	1	0	13.49	14.87	13.64	13.50	15.00	14.00
30	QPSK	1	77	13.58	14.91	13.44	14.00	15.00	13.50
30	QPSK	75	0	13.43	14.77	13.66	13.50	15.00	14.00
30	16QAM	1	1	12.86	14.87	13.16	13.00	15.00	13.50
30	64QAM	1	1	12.97	14.74	13.23	13.00	15.00	13.50
30	256QAM	1	1	12.55	13.98	12.99	13.00	14.00	13.00
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	14.46	18.76	18.56	14.50	20.30	20.30
20	PI/2 BPSK	1	49	18.63	18.71	14.62	20.30	20.30	15.00
20	PI/2 BPSK	25	12	18.56	18.73	18.60	20.30	20.30	20.30
20	PI/2 BPSK	1	0	14.56	18.22	18.05	15.00	18.50	18.50
20	PI/2 BPSK	1	50	18.09	18.31	14.56	18.50	18.50	15.00
20	PI/2 BPSK	50	0	14.59	17.75	14.64	15.00	18.00	15.00
20	QPSK	1	1	14.57	18.81	18.68	15.00	20.30	20.30
20	QPSK	1	49	18.66	18.86	14.61	20.30	20.30	15.00
20	QPSK	25	12	18.49	18.74	18.61	18.50	20.30	20.30
20	QPSK	1	0	14.53	17.78	17.63	15.00	18.00	18.00
20	QPSK	1	50	17.66	17.76	14.64	18.00	18.00	15.00
20	QPSK	50	0	14.61	16.76	14.60	15.00	17.00	15.00
20	16QAM	1	1	13.70	17.75	17.61	14.00	18.00	18.00
20	64QAM	1	1	13.67	16.33	16.17	14.00	16.50	16.50
20	256QAM	1	1	13.77	13.97	13.85	14.00	14.00	14.00
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



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15	PI/2 BPSK	1	1	14.39	18.83	18.83	14.50	20.30	20.30
15	PI/2 BPSK	1	36	18.53	18.82	14.59	20.30	20.30	15.00
15	PI/2 BPSK	18	9	18.34	18.62	18.55	18.50	20.30	20.30
15	PI/2 BPSK	1	0	14.48	18.32	18.12	14.50	18.50	18.50
15	PI/2 BPSK	1	37	18.11	18.32	14.62	18.50	18.50	15.00
15	PI/2 BPSK	36	0	14.49	17.71	14.64	14.50	18.00	15.00
15	QPSK	1	1	14.48	18.77	18.71	14.50	20.30	20.30
15	QPSK	1	36	18.63	18.74	14.60	20.30	20.30	15.00
15	QPSK	18	9	18.49	18.74	18.63	18.50	20.30	20.30
15	QPSK	1	0	14.51	17.80	17.90	15.00	18.00	18.00
15	QPSK	1	37	17.62	17.76	14.73	18.00	18.00	15.00
15	QPSK	36	0	14.64	16.66	14.67	15.00	17.00	15.00
15	16QAM	1	1	13.66	17.83	17.64	14.00	18.00	18.00
15	64QAM	1	1	13.66	16.36	16.23	14.00	16.50	16.50
15	256QAM	1	1	13.68	14.03	13.90	14.00	14.50	14.00
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	18.34	18.80	18.65	18.50	20.30	20.30
10	PI/2 BPSK	1	22	18.44	18.78	18.69	18.50	20.30	20.30
10	PI/2 BPSK	12	6	18.29	18.61	18.55	18.50	20.30	20.30
10	PI/2 BPSK	1	0	17.89	18.21	18.23	18.00	18.50	18.50
10	PI/2 BPSK	1	23	18.06	18.21	18.18	18.50	18.50	18.50
10	PI/2 BPSK	24	0	17.40	17.69	17.66	17.50	18.00	18.00
10	QPSK	1	1	18.46	18.81	18.74	18.50	20.30	20.30
10	QPSK	1	22	18.54	18.79	18.75	20.30	20.30	20.30
10	QPSK	12	6	18.40	18.68	18.67	18.50	20.30	20.30
10	QPSK	1	0	17.45	17.79	17.70	17.50	18.00	18.00
10	QPSK	1	23	17.49	17.82	17.72	17.50	18.00	18.00
10	QPSK	24	0	16.40	16.70	16.70	16.50	17.00	17.00
10	16QAM	1	1	17.39	17.74	17.68	17.50	18.00	18.00
10	64QAM	1	1	16.06	16.40	16.18	16.50	16.50	16.50
10	256QAM	1	1	13.70	14.01	14.00	14.00	14.50	14.00



<FR1 n48_Ant 7_ECI 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	13.48	14.92	13.47	13.50	15.00	13.50
40	PI/2 BPSK	1	104	13.40	14.80	13.51	13.50	15.00	14.00
40	PI/2 BPSK	50	25	13.52	16.48	13.50	14.00	18.10	13.50
40	PI/2 BPSK	1	0	13.38	14.74	13.46	13.50	15.00	13.50
40	PI/2 BPSK	1	105	13.47	14.85	13.38	13.50	15.00	13.50
40	PI/2 BPSK	100	0	13.54	16.50	13.46	14.00	18.00	13.50
40	QPSK	1	1	13.57	15.02	13.57	14.00	15.50	14.00
40	QPSK	1	104	13.41	14.82	13.49	13.50	15.00	13.50
40	QPSK	50	25	13.42	16.39	13.47	13.50	18.10	13.50
40	QPSK	1	0	13.46	14.71	13.51	13.50	15.00	14.00
40	QPSK	1	105	13.64	14.80	13.49	14.00	15.00	13.50
40	QPSK	100	0	13.43	16.40	13.56	13.50	17.00	14.00
40	16QAM	1	1	13.01	14.73	13.12	13.50	15.00	13.50
40	64QAM	1	1	12.99	14.89	13.00	13.00	15.00	13.00
40	256QAM	1	1	12.69	14.06	12.76	13.00	14.50	13.00
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.39	14.81	13.65	13.50	15.00	14.00
30	PI/2 BPSK	1	76	13.43	14.78	13.50	13.50	15.00	13.50
30	PI/2 BPSK	36	18	13.41	16.39	16.25	13.50	18.10	18.10
30	PI/2 BPSK	1	0	13.40	14.83	13.60	13.50	15.00	14.00
30	PI/2 BPSK	1	77	13.41	14.78	13.37	13.50	15.00	13.50
30	PI/2 BPSK	75	0	13.39	14.75	13.64	13.50	15.00	14.00
30	QPSK	1	1	13.46	15.08	13.57	13.50	15.50	14.00
30	QPSK	1	76	13.55	14.92	13.55	14.00	15.00	14.00
30	QPSK	36	18	13.36	16.41	16.22	13.50	18.10	18.10
30	QPSK	1	0	13.49	14.87	13.64	13.50	15.00	14.00
30	QPSK	1	77	13.58	14.91	13.44	14.00	15.00	13.50
30	QPSK	75	0	13.43	14.77	13.66	13.50	15.00	14.00
30	16QAM	1	1	12.86	14.87	13.16	13.00	15.00	13.50
30	64QAM	1	1	12.97	14.74	13.23	13.00	15.00	13.50
30	256QAM	1	1	12.55	13.98	12.99	13.00	14.00	13.00
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	14.46	16.45	16.26	14.50	18.10	18.10
20	PI/2 BPSK	1	49	16.41	16.36	14.62	18.10	18.10	15.00
20	PI/2 BPSK	25	12	16.40	16.35	16.22	18.10	18.10	18.10
20	PI/2 BPSK	1	0	14.56	16.44	16.19	15.00	18.10	18.10
20	PI/2 BPSK	1	50	16.34	16.44	14.56	18.10	18.10	15.00
20	PI/2 BPSK	50	0	14.59	16.41	14.64	15.00	18.00	15.00
20	QPSK	1	1	14.57	16.41	16.16	15.00	18.10	18.10
20	QPSK	1	49	16.36	16.36	14.61	18.10	18.10	15.00
20	QPSK	25	12	16.39	16.35	16.18	18.10	18.10	18.10
20	QPSK	1	0	14.53	16.37	16.19	15.00	18.00	18.00
20	QPSK	1	50	16.38	16.42	14.64	18.00	18.00	15.00
20	QPSK	50	0	14.61	16.39	14.60	15.00	17.00	15.00
20	16QAM	1	1	13.70	16.39	16.20	14.00	18.00	18.00
20	64QAM	1	1	13.67	16.33	16.17	14.00	16.50	16.50
20	256QAM	1	1	13.77	13.97	13.85	14.00	14.00	14.00
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



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15	PI/2 BPSK	1	1	14.39	16.42	16.23	14.50	18.10	18.10
15	PI/2 BPSK	1	36	16.33	16.44	14.59	18.10	18.10	15.00
15	PI/2 BPSK	18	9	16.37	16.43	16.16	18.10	18.10	18.10
15	PI/2 BPSK	1	0	14.48	16.40	16.19	14.50	18.10	18.10
15	PI/2 BPSK	1	37	16.39	16.41	14.62	18.10	18.10	15.00
15	PI/2 BPSK	36	0	14.49	16.35	14.64	14.50	18.00	15.00
15	QPSK	1	1	14.48	16.38	16.22	14.50	18.10	18.10
15	QPSK	1	36	16.35	16.45	14.60	18.10	18.10	15.00
15	QPSK	18	9	16.38	16.38	16.20	18.10	18.10	18.10
15	QPSK	1	0	14.51	16.39	16.23	15.00	18.00	18.00
15	QPSK	1	37	16.34	16.44	14.73	18.00	18.00	15.00
15	QPSK	36	0	14.64	16.36	14.67	15.00	17.00	15.00
15	16QAM	1	1	13.66	16.44	16.16	14.00	18.00	18.00
15	64QAM	1	1	13.66	16.36	16.23	14.00	16.50	16.50
15	256QAM	1	1	13.68	14.03	13.90	14.00	14.50	14.00
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	16.36	16.43	16.20	18.10	18.10	18.10
10	PI/2 BPSK	1	22	16.38	16.42	16.24	18.10	18.10	18.10
10	PI/2 BPSK	12	6	16.37	16.35	16.18	18.10	18.10	18.10
10	PI/2 BPSK	1	0	16.32	16.37	16.23	18.00	18.10	18.10
10	PI/2 BPSK	1	23	16.39	16.38	16.22	18.10	18.10	18.10
10	PI/2 BPSK	24	0	16.40	16.45	16.25	17.50	18.00	18.00
10	QPSK	1	1	16.34	16.44	16.24	18.10	18.10	18.10
10	QPSK	1	22	16.34	16.41	16.26	18.10	18.10	18.10
10	QPSK	12	6	16.31	16.40	16.19	18.10	18.10	18.10
10	QPSK	1	0	16.35	16.43	16.19	17.50	18.00	18.00
10	QPSK	1	23	16.33	16.40	16.19	17.50	18.00	18.00
10	QPSK	24	0	16.40	16.39	16.23	16.50	17.00	17.00
10	16QAM	1	1	16.31	16.40	16.19	17.50	18.00	18.00
10	64QAM	1	1	16.06	16.40	16.18	16.50	16.50	16.50
10	256QAM	1	1	13.70	14.01	14.00	14.00	14.50	14.00



FCC SAR TEST REPORT

Report No. :FA5N0809-01C

<FR1 n48_Ant 7_ECI 5/6 >							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	13.48	14.92	13.47	13.50	15.00	13.50
40	PI/2 BPSK	1	104	13.40	14.80	13.51	13.50	15.00	14.00
40	PI/2 BPSK	50	25	13.52	16.48	13.50	14.00	17.70	13.50
40	PI/2 BPSK	1	0	13.38	14.74	13.46	13.50	15.00	13.50
40	PI/2 BPSK	1	105	13.47	14.85	13.38	13.50	15.00	13.50
40	PI/2 BPSK	100	0	13.54	16.50	13.46	14.00	17.70	13.50
40	QPSK	1	1	13.57	15.02	13.57	14.00	15.50	14.00
40	QPSK	1	104	13.41	14.82	13.49	13.50	15.00	13.50
40	QPSK	50	25	13.42	16.39	13.47	13.50	17.70	13.50
40	QPSK	1	0	13.46	14.71	13.51	13.50	15.00	14.00
40	QPSK	1	105	13.64	14.80	13.49	14.00	15.00	13.50
40	QPSK	100	0	13.43	16.40	13.56	13.50	17.00	14.00
40	16QAM	1	1	13.01	14.73	13.12	13.50	15.00	13.50
40	64QAM	1	1	12.99	14.89	13.00	13.00	15.00	13.00
40	256QAM	1	1	12.69	14.06	12.76	13.00	14.50	13.00
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.39	14.81	13.65	13.50	15.00	14.00
30	PI/2 BPSK	1	76	13.43	14.78	13.50	13.50	15.00	13.50
30	PI/2 BPSK	36	18	13.41	16.39	16.25	13.50	17.70	17.70
30	PI/2 BPSK	1	0	13.40	14.83	13.60	13.50	15.00	14.00
30	PI/2 BPSK	1	77	13.41	14.78	13.37	13.50	15.00	13.50
30	PI/2 BPSK	75	0	13.39	14.75	13.64	13.50	15.00	14.00
30	QPSK	1	1	13.46	15.08	13.57	13.50	15.50	14.00
30	QPSK	1	76	13.55	14.92	13.55	14.00	15.00	14.00
30	QPSK	36	18	13.36	16.41	16.22	13.50	17.70	17.70
30	QPSK	1	0	13.49	14.87	13.64	13.50	15.00	14.00
30	QPSK	1	77	13.58	14.91	13.44	14.00	15.00	13.50
30	QPSK	75	0	13.43	14.77	13.66	13.50	15.00	14.00
30	16QAM	1	1	12.86	14.87	13.16	13.00	15.00	13.50
30	64QAM	1	1	12.97	14.74	13.23	13.00	15.00	13.50
30	256QAM	1	1	12.55	13.98	12.99	13.00	14.00	13.00
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	14.46	16.45	16.26	14.50	17.70	17.70
20	PI/2 BPSK	1	49	16.41	16.36	14.62	17.70	17.70	15.00
20	PI/2 BPSK	25	12	16.40	16.35	16.22	17.70	17.70	17.70
20	PI/2 BPSK	1	0	14.56	16.44	16.19	15.00	17.70	17.70
20	PI/2 BPSK	1	50	16.34	16.44	14.56	17.70	17.70	15.00
20	PI/2 BPSK	50	0	14.59	16.41	14.64	15.00	17.70	15.00
20	QPSK	1	1	14.57	16.41	16.16	15.00	17.70	17.70
20	QPSK	1	49	16.36	16.36	14.61	17.70	17.70	15.00
20	QPSK	25	12	16.39	16.35	16.18	17.70	17.70	17.70
20	QPSK	1	0	14.53	16.37	16.19	15.00	17.70	17.70
20	QPSK	1	50	16.38	16.42	14.64	17.70	17.70	15.00
20	QPSK	50	0	14.61	16.39	14.60	15.00	17.00	15.00
20	16QAM	1	1	13.70	16.39	16.20	14.00	17.70	17.70
20	64QAM	1	1	13.67	16.33	16.17	14.00	16.50	16.50
20	256QAM	1	1	13.77	13.97	13.85	14.00	14.00	14.00
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



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15	PI/2 BPSK	1	1	14.39	16.42	16.23	14.50	17.70	17.70
15	PI/2 BPSK	1	36	16.33	16.44	14.59	17.70	17.70	15.00
15	PI/2 BPSK	18	9	16.37	16.43	16.16	17.70	17.70	17.70
15	PI/2 BPSK	1	0	14.48	16.40	16.19	14.50	17.70	17.70
15	PI/2 BPSK	1	37	16.39	16.41	14.62	17.70	17.70	15.00
15	PI/2 BPSK	36	0	14.49	16.35	14.64	14.50	17.70	15.00
15	QPSK	1	1	14.48	16.38	16.22	14.50	17.70	17.70
15	QPSK	1	36	16.35	16.45	14.60	17.70	17.70	15.00
15	QPSK	18	9	16.38	16.38	16.20	17.70	17.70	17.70
15	QPSK	1	0	14.51	16.39	16.23	15.00	17.70	17.70
15	QPSK	1	37	16.34	16.44	14.73	17.70	17.70	15.00
15	QPSK	36	0	14.64	16.36	14.67	15.00	17.00	15.00
15	16QAM	1	1	13.66	16.44	16.16	14.00	17.70	17.70
15	64QAM	1	1	13.66	16.36	16.23	14.00	16.50	16.50
15	256QAM	1	1	13.68	14.03	13.90	14.00	14.50	14.00
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	16.36	16.43	16.20	17.70	17.70	17.70
10	PI/2 BPSK	1	22	16.38	16.42	16.24	17.70	17.70	17.70
10	PI/2 BPSK	12	6	16.37	16.35	16.18	17.70	17.70	17.70
10	PI/2 BPSK	1	0	16.32	16.37	16.23	17.70	17.70	17.70
10	PI/2 BPSK	1	23	16.39	16.38	16.22	17.70	17.70	17.70
10	PI/2 BPSK	24	0	16.40	16.45	16.25	17.50	17.70	17.70
10	QPSK	1	1	16.34	16.44	16.24	17.70	17.70	17.70
10	QPSK	1	22	16.34	16.41	16.26	17.70	17.70	17.70
10	QPSK	12	6	16.31	16.40	16.19	17.70	17.70	17.70
10	QPSK	1	0	16.35	16.43	16.19	17.50	17.70	17.70
10	QPSK	1	23	16.33	16.40	16.19	17.50	17.70	17.70
10	QPSK	24	0	16.40	16.39	16.23	16.50	17.00	17.00
10	16QAM	1	1	16.31	16.40	16.19	17.50	17.70	17.70
10	64QAM	1	1	16.06	16.40	16.18	16.50	16.50	16.50
10	256QAM	1	1	13.70	14.01	14.00	14.00	14.50	14.00

<FR1 n48_Ant 1_ECI 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	13.82	16.93	14.08	14.00	17.00	14.50
40	PI/2 BPSK	1	104	14.09	16.84	14.03	14.50	17.00	14.50
40	PI/2 BPSK	50	25	13.96	17.19	14.04	14.00	18.90	14.50
40	PI/2 BPSK	1	0	13.85	16.87	14.09	14.00	17.00	14.50
40	PI/2 BPSK	1	105	14.00	16.73	14.13	14.00	17.00	14.50
40	PI/2 BPSK	100	0	13.95	16.23	14.17	14.00	16.50	14.50
40	QPSK	1	1	13.82	16.81	14.03	14.00	17.00	14.50
40	QPSK	1	104	14.15	16.89	14.02	14.50	17.00	14.50
40	QPSK	50	25	13.96	17.15	14.05	14.00	18.90	14.50
40	QPSK	1	0	13.81	16.90	14.11	14.00	17.00	14.50
40	QPSK	1	105	14.02	16.87	14.07	14.50	17.00	14.50
40	QPSK	100	0	14.11	16.28	14.18	14.50	16.50	14.50
40	16QAM	1	1	12.38	16.97	12.47	12.50	17.00	12.50
40	64QAM	1	1	12.30	16.91	12.65	12.50	17.00	13.00
40	256QAM	1	1	12.09	15.29	12.37	12.50	15.50	12.50
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.86	16.71	14.09	14.00	17.00	14.50
30	PI/2 BPSK	1	76	14.01	16.90	14.03	14.50	17.00	14.50
30	PI/2 BPSK	36	18	13.85	17.12	17.13	14.00	18.90	18.90
30	PI/2 BPSK	1	0	13.87	16.92	14.13	14.00	17.00	14.50
30	PI/2 BPSK	1	77	13.91	16.75	14.17	14.00	17.00	14.50
30	PI/2 BPSK	75	0	13.93	16.78	14.22	14.00	17.00	14.50
30	QPSK	1	1	13.85	16.97	14.19	14.00	17.00	14.50
30	QPSK	1	76	14.10	16.88	14.07	14.50	17.00	14.50
30	QPSK	36	18	13.81	17.09	17.04	14.00	18.90	18.90
30	QPSK	1	0	13.83	16.82	14.18	14.00	17.00	14.50
30	QPSK	1	77	14.05	16.94	14.08	14.50	17.00	14.50
30	QPSK	75	0	13.94	16.78	14.25	14.00	17.00	14.50
30	16QAM	1	1	12.34	16.95	12.59	12.50	17.00	13.00
30	64QAM	1	1	12.27	16.99	12.62	12.50	17.00	13.00
30	256QAM	1	1	12.06	15.19	12.49	12.50	15.50	12.50
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	16.36	17.14	17.21	16.50	18.90	18.90
20	PI/2 BPSK	1	49	17.05	17.30	16.60	18.90	18.90	17.00
20	PI/2 BPSK	25	12	17.06	17.10	17.08	18.90	18.90	18.90
20	PI/2 BPSK	1	0	16.32	17.14	17.03	16.50	18.90	18.90
20	PI/2 BPSK	1	50	16.99	17.11	16.59	18.90	18.90	17.00
20	PI/2 BPSK	50	0	16.46	17.28	16.56	16.50	18.90	17.00
20	QPSK	1	1	16.37	17.10	17.08	16.50	18.90	18.90
20	QPSK	1	49	16.97	17.14	16.61	18.90	18.90	17.00
20	QPSK	25	12	16.99	17.12	17.06	18.90	18.90	18.90
20	QPSK	1	0	16.37	17.18	17.11	16.50	18.90	18.90
20	QPSK	1	50	16.95	17.13	16.52	18.90	18.90	17.00
20	QPSK	50	0	16.48	17.09	16.55	16.50	18.90	17.00
20	16QAM	1	1	15.58	17.09	17.09	16.00	18.90	18.90
20	64QAM	1	1	15.56	17.12	17.05	16.00	18.50	18.50
20	256QAM	1	1	14.84	15.11	14.88	15.00	15.50	15.00
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



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15	PI/2 BPSK	1	1	16.40	17.17	17.09	16.50	18.90	18.90
15	PI/2 BPSK	1	36	16.99	17.12	16.62	18.90	18.90	17.00
15	PI/2 BPSK	18	9	17.04	17.12	17.03	18.90	18.90	18.90
15	PI/2 BPSK	1	0	16.43	17.12	17.05	16.50	18.90	18.90
15	PI/2 BPSK	1	37	16.99	17.10	16.69	18.90	18.90	17.00
15	PI/2 BPSK	36	0	16.38	17.19	16.62	16.50	18.90	17.00
15	QPSK	1	1	16.42	17.13	17.13	16.50	18.90	18.90
15	QPSK	1	36	17.01	17.12	16.63	18.90	18.90	17.00
15	QPSK	18	9	17.00	17.11	17.08	18.90	18.90	18.90
15	QPSK	1	0	16.39	17.17	17.04	16.50	18.90	18.90
15	QPSK	1	37	17.03	17.19	16.62	18.90	18.90	17.00
15	QPSK	36	0	16.38	17.12	16.61	16.50	18.90	17.00
15	16QAM	1	1	15.49	17.17	17.11	15.50	18.90	18.90
15	64QAM	1	1	15.62	17.12	17.04	16.00	18.50	18.50
15	256QAM	1	1	14.73	15.16	14.95	15.00	15.50	15.00
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	16.95	17.14	17.08	18.90	18.90	18.90
10	PI/2 BPSK	1	22	17.05	17.15	17.03	18.90	18.90	18.90
10	PI/2 BPSK	12	6	16.97	17.18	17.06	18.90	18.90	18.90
10	PI/2 BPSK	1	0	16.99	17.11	17.08	18.90	18.90	18.90
10	PI/2 BPSK	1	23	17.00	17.15	17.11	18.90	18.90	18.90
10	PI/2 BPSK	24	0	16.97	17.12	17.10	18.90	18.90	18.90
10	QPSK	1	1	16.95	17.10	17.03	18.90	18.90	18.90
10	QPSK	1	22	17.03	17.09	17.06	18.90	18.90	18.90
10	QPSK	12	6	17.01	17.11	17.08	18.90	18.90	18.90
10	QPSK	1	0	17.03	17.12	17.05	18.90	18.90	18.90
10	QPSK	1	23	16.97	17.13	17.03	18.90	18.90	18.90
10	QPSK	24	0	17.01	17.11	17.11	18.50	18.90	18.90
10	16QAM	1	1	16.96	17.11	17.10	18.90	18.90	18.90
10	64QAM	1	1	17.01	17.18	17.05	18.00	18.50	18.50
10	256QAM	1	1	14.62	15.09	14.99	15.00	15.50	15.00



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Report No. :FA5N0809-01C

<FR1 n48_Ant 1_ECI 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	13.82	16.93	14.08	14.00	17.00	14.50
40	PI/2 BPSK	1	104	14.09	16.84	14.03	14.50	17.00	14.50
40	PI/2 BPSK	50	25	13.96	17.19	14.04	14.00	18.00	14.50
40	PI/2 BPSK	1	0	13.85	16.87	14.09	14.00	17.00	14.50
40	PI/2 BPSK	1	105	14.00	16.73	14.13	14.00	17.00	14.50
40	PI/2 BPSK	100	0	13.95	16.23	14.17	14.00	16.50	14.50
40	QPSK	1	1	13.82	16.81	14.03	14.00	17.00	14.50
40	QPSK	1	104	14.15	16.89	14.02	14.50	17.00	14.50
40	QPSK	50	25	13.96	17.15	14.05	14.00	18.00	14.50
40	QPSK	1	0	13.81	16.90	14.11	14.00	17.00	14.50
40	QPSK	1	105	14.02	16.87	14.07	14.50	17.00	14.50
40	QPSK	100	0	14.11	16.28	14.18	14.50	16.50	14.50
40	16QAM	1	1	12.38	16.97	12.47	12.50	17.00	12.50
40	64QAM	1	1	12.30	16.91	12.65	12.50	17.00	13.00
40	256QAM	1	1	12.09	15.29	12.37	12.50	15.50	12.50
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.86	16.71	14.09	14.00	17.00	14.50
30	PI/2 BPSK	1	76	14.01	16.90	14.03	14.50	17.00	14.50
30	PI/2 BPSK	36	18	13.85	17.12	17.13	14.00	18.00	18.00
30	PI/2 BPSK	1	0	13.87	16.92	14.13	14.00	17.00	14.50
30	PI/2 BPSK	1	77	13.91	16.75	14.17	14.00	17.00	14.50
30	PI/2 BPSK	75	0	13.93	16.78	14.22	14.00	17.00	14.50
30	QPSK	1	1	13.85	16.97	14.19	14.00	17.00	14.50
30	QPSK	1	76	14.10	16.88	14.07	14.50	17.00	14.50
30	QPSK	36	18	13.81	17.09	17.04	14.00	18.00	18.00
30	QPSK	1	0	13.83	16.82	14.18	14.00	17.00	14.50
30	QPSK	1	77	14.05	16.94	14.08	14.50	17.00	14.50
30	QPSK	75	0	13.94	16.78	14.25	14.00	17.00	14.50
30	16QAM	1	1	12.34	16.95	12.59	12.50	17.00	13.00
30	64QAM	1	1	12.27	16.99	12.62	12.50	17.00	13.00
30	256QAM	1	1	12.06	15.19	12.49	12.50	15.50	12.50
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	16.36	17.14	17.21	16.50	18.00	18.00
20	PI/2 BPSK	1	49	17.05	17.30	16.60	18.00	18.00	17.00
20	PI/2 BPSK	25	12	17.06	17.10	17.08	18.00	18.00	18.00
20	PI/2 BPSK	1	0	16.32	17.14	17.03	16.50	18.00	18.00
20	PI/2 BPSK	1	50	16.99	17.11	16.59	18.00	18.00	17.00
20	PI/2 BPSK	50	0	16.46	17.28	16.56	16.50	18.00	17.00
20	QPSK	1	1	16.37	17.10	17.08	16.50	18.00	18.00
20	QPSK	1	49	16.97	17.14	16.61	18.00	18.00	17.00
20	QPSK	25	12	16.99	17.12	17.06	18.00	18.00	18.00
20	QPSK	1	0	16.37	17.18	17.11	16.50	18.00	18.00
20	QPSK	1	50	16.95	17.13	16.52	18.00	18.00	17.00
20	QPSK	50	0	16.48	17.09	16.55	16.50	18.00	17.00
20	16QAM	1	1	15.58	17.09	17.09	16.00	18.00	18.00
20	64QAM	1	1	15.56	17.12	17.05	16.00	18.00	18.00
20	256QAM	1	1	14.84	15.11	14.88	15.00	15.50	15.00
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



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15	PI/2 BPSK	1	1	16.40	17.17	17.09	16.50	18.00	18.00
15	PI/2 BPSK	1	36	16.99	17.12	16.62	18.00	18.00	17.00
15	PI/2 BPSK	18	9	17.04	17.12	17.03	18.00	18.00	18.00
15	PI/2 BPSK	1	0	16.43	17.12	17.05	16.50	18.00	18.00
15	PI/2 BPSK	1	37	16.99	17.10	16.69	18.00	18.00	17.00
15	PI/2 BPSK	36	0	16.38	17.19	16.62	16.50	18.00	17.00
15	QPSK	1	1	16.42	17.13	17.13	16.50	18.00	18.00
15	QPSK	1	36	17.01	17.12	16.63	18.00	18.00	17.00
15	QPSK	18	9	17.00	17.11	17.08	18.00	18.00	18.00
15	QPSK	1	0	16.39	17.17	17.04	16.50	18.00	18.00
15	QPSK	1	37	17.03	17.19	16.62	18.00	18.00	17.00
15	QPSK	36	0	16.38	17.12	16.61	16.50	18.00	17.00
15	16QAM	1	1	15.49	17.17	17.11	15.50	18.00	18.00
15	64QAM	1	1	15.62	17.12	17.04	16.00	18.00	18.00
15	256QAM	1	1	14.73	15.16	14.95	15.00	15.50	15.00
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	16.95	17.14	17.08	18.00	18.00	18.00
10	PI/2 BPSK	1	22	17.05	17.15	17.03	18.00	18.00	18.00
10	PI/2 BPSK	12	6	16.97	17.18	17.06	18.00	18.00	18.00
10	PI/2 BPSK	1	0	16.99	17.11	17.08	18.00	18.00	18.00
10	PI/2 BPSK	1	23	17.00	17.15	17.11	18.00	18.00	18.00
10	PI/2 BPSK	24	0	16.97	17.12	17.10	18.00	18.00	18.00
10	QPSK	1	1	16.95	17.10	17.03	18.00	18.00	18.00
10	QPSK	1	22	17.03	17.09	17.06	18.00	18.00	18.00
10	QPSK	12	6	17.01	17.11	17.08	18.00	18.00	18.00
10	QPSK	1	0	17.03	17.12	17.05	18.00	18.00	18.00
10	QPSK	1	23	16.97	17.13	17.03	18.00	18.00	18.00
10	QPSK	24	0	17.01	17.11	17.11	18.00	18.00	18.00
10	16QAM	1	1	16.96	17.11	17.10	18.00	18.00	18.00
10	64QAM	1	1	17.01	17.18	17.05	18.00	18.00	18.00
10	256QAM	1	1	14.62	15.09	14.99	15.00	15.50	15.00



<FR1 n48_Ant 1_ECI 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	13.82	16.93	14.08	14.00	17.00	14.50
40	PI/2 BPSK	1	104	14.09	16.84	14.03	14.50	17.00	14.50
40	PI/2 BPSK	50	25	13.96	20.19	14.04	14.00	21.00	14.50
40	PI/2 BPSK	1	0	13.85	16.87	14.09	14.00	17.00	14.50
40	PI/2 BPSK	1	105	14.00	16.73	14.13	14.00	17.00	14.50
40	PI/2 BPSK	100	0	13.95	16.23	14.17	14.00	16.50	14.50
40	QPSK	1	1	13.82	16.81	14.03	14.00	17.00	14.50
40	QPSK	1	104	14.15	16.89	14.02	14.50	17.00	14.50
40	QPSK	50	25	13.96	20.11	14.05	14.00	21.00	14.50
40	QPSK	1	0	13.81	16.90	14.11	14.00	17.00	14.50
40	QPSK	1	105	14.02	16.87	14.07	14.50	17.00	14.50
40	QPSK	100	0	14.11	16.28	14.18	14.50	16.50	14.50
40	16QAM	1	1	12.38	16.97	12.47	12.50	17.00	12.50
40	64QAM	1	1	12.30	16.91	12.65	12.50	17.00	13.00
40	256QAM	1	1	12.09	15.29	12.37	12.50	15.50	12.50
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.86	16.71	14.09	14.00	17.00	14.50
30	PI/2 BPSK	1	76	14.01	16.90	14.03	14.50	17.00	14.50
30	PI/2 BPSK	36	18	13.85	20.09	20.13	14.00	21.00	21.00
30	PI/2 BPSK	1	0	13.87	16.92	14.13	14.00	17.00	14.50
30	PI/2 BPSK	1	77	13.91	16.75	14.17	14.00	17.00	14.50
30	PI/2 BPSK	75	0	13.93	16.78	14.22	14.00	17.00	14.50
30	QPSK	1	1	13.85	16.97	14.19	14.00	17.00	14.50
30	QPSK	1	76	14.10	16.88	14.07	14.50	17.00	14.50
30	QPSK	36	18	13.81	20.10	20.08	14.00	21.00	21.00
30	QPSK	1	0	13.83	16.82	14.18	14.00	17.00	14.50
30	QPSK	1	77	14.05	16.94	14.08	14.50	17.00	14.50
30	QPSK	75	0	13.94	16.78	14.25	14.00	17.00	14.50
30	16QAM	1	1	12.34	16.95	12.59	12.50	17.00	13.00
30	64QAM	1	1	12.27	16.99	12.62	12.50	17.00	13.00
30	256QAM	1	1	12.06	15.19	12.49	12.50	15.50	12.50
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	16.36	20.11	20.21	16.50	21.00	21.00
20	PI/2 BPSK	1	49	20.05	20.30	16.60	20.50	21.00	17.00
20	PI/2 BPSK	25	12	20.06	20.26	20.07	20.50	21.00	21.00
20	PI/2 BPSK	1	0	16.32	20.16	20.09	16.50	20.50	20.50
20	PI/2 BPSK	1	50	19.95	20.24	16.59	20.00	20.50	17.00
20	PI/2 BPSK	50	0	16.46	19.71	16.56	16.50	20.00	17.00
20	QPSK	1	1	16.37	20.24	20.06	16.50	21.00	21.00
20	QPSK	1	49	19.97	20.17	16.61	21.00	21.00	17.00
20	QPSK	25	12	19.88	20.12	20.05	20.50	21.00	21.00
20	QPSK	1	0	16.37	19.70	19.59	16.50	20.00	20.00
20	QPSK	1	50	19.46	19.63	16.52	19.50	20.00	17.00
20	QPSK	50	0	16.48	18.72	16.55	16.50	19.00	17.00
20	16QAM	1	1	15.58	19.72	19.50	16.00	20.00	19.50
20	64QAM	1	1	15.56	18.28	18.16	16.00	18.50	18.50
20	256QAM	1	1	14.84	15.11	14.88	15.00	15.50	15.00
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



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15	PI/2 BPSK	1	1	16.40	20.27	20.04	16.50	21.00	21.00
15	PI/2 BPSK	1	36	20.04	20.23	16.62	20.50	21.00	17.00
15	PI/2 BPSK	18	9	20.25	20.16	20.03	20.50	21.00	20.50
15	PI/2 BPSK	1	0	16.43	20.13	20.14	16.50	20.50	20.50
15	PI/2 BPSK	1	37	19.93	20.28	16.69	20.00	20.50	17.00
15	PI/2 BPSK	36	0	16.38	19.62	16.62	16.50	20.00	17.00
15	QPSK	1	1	16.42	20.20	20.02	16.50	21.00	21.00
15	QPSK	1	36	20.03	20.19	16.63	20.50	21.00	17.00
15	QPSK	18	9	19.90	20.14	20.01	20.50	21.00	21.00
15	QPSK	1	0	16.39	19.82	19.69	16.50	20.00	20.00
15	QPSK	1	37	19.44	19.82	16.62	19.50	20.00	17.00
15	QPSK	36	0	16.38	18.68	16.61	16.50	19.00	17.00
15	16QAM	1	1	15.49	19.76	19.63	15.50	20.00	20.00
15	64QAM	1	1	15.62	18.32	18.24	16.00	18.50	18.50
15	256QAM	1	1	14.73	15.16	14.95	15.00	15.50	15.00
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	20.01	20.28	20.01	20.50	21.00	21.00
10	PI/2 BPSK	1	22	19.92	20.22	20.06	20.50	21.00	21.00
10	PI/2 BPSK	12	6	20.26	20.18	20.20	20.50	21.00	21.00
10	PI/2 BPSK	1	0	19.82	20.25	20.11	20.00	20.50	20.50
10	PI/2 BPSK	1	23	19.85	20.27	20.10	20.00	20.50	20.50
10	PI/2 BPSK	24	0	19.28	19.73	19.64	19.50	20.00	20.00
10	QPSK	1	1	20.02	20.29	20.03	20.50	21.00	21.00
10	QPSK	1	22	19.94	20.21	20.04	20.50	21.00	21.00
10	QPSK	12	6	20.00	20.15	20.00	20.50	21.00	21.00
10	QPSK	1	0	19.38	19.74	19.63	19.50	20.00	20.00
10	QPSK	1	23	19.41	19.70	19.56	19.50	20.00	20.00
10	QPSK	24	0	18.33	18.73	18.66	18.50	19.00	19.00
10	16QAM	1	1	19.31	19.75	19.61	19.50	20.00	20.00
10	64QAM	1	1	17.92	18.26	18.31	18.00	18.50	18.50
10	256QAM	1	1	14.62	15.09	14.99	15.00	15.50	15.00



<FR1 n48_Ant 1_ECI 5/6 >							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	13.82	16.93	14.08	14.00	17.00	14.50
40	PI/2 BPSK	1	104	14.09	15.69	14.03	14.50	17.00	14.50
40	PI/2 BPSK	50	25	13.96	18.69	14.04	14.00	19.20	14.50
40	PI/2 BPSK	1	0	13.85	15.63	14.09	14.00	17.00	14.50
40	PI/2 BPSK	1	105	14.00	15.61	14.13	14.00	17.00	14.50
40	PI/2 BPSK	100	0	13.95	16.23	14.17	14.00	16.50	14.50
40	QPSK	1	1	13.82	15.66	14.03	14.00	17.00	14.50
40	QPSK	1	104	14.15	15.61	14.02	14.50	17.00	14.50
40	QPSK	50	25	13.96	18.64	14.05	14.00	19.20	14.50
40	QPSK	1	0	13.81	15.62	14.11	14.00	17.00	14.50
40	QPSK	1	105	14.02	15.62	14.07	14.50	17.00	14.50
40	QPSK	100	0	14.11	15.64	14.18	14.50	16.50	14.50
40	16QAM	1	1	12.38	15.68	12.47	12.50	17.00	12.50
40	64QAM	1	1	12.30	15.59	12.65	12.50	17.00	13.00
40	256QAM	1	1	12.09	15.29	12.37	12.50	15.50	12.50
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.86	16.71	14.09	14.00	17.00	14.50
30	PI/2 BPSK	1	76	14.01	16.90	14.03	14.50	17.00	14.50
30	PI/2 BPSK	36	18	13.85	18.68	18.63	14.00	19.20	19.20
30	PI/2 BPSK	1	0	13.87	16.92	14.13	14.00	17.00	14.50
30	PI/2 BPSK	1	77	13.91	16.75	14.17	14.00	17.00	14.50
30	PI/2 BPSK	75	0	13.93	16.78	14.22	14.00	17.00	14.50
30	QPSK	1	1	13.85	16.97	14.19	14.00	17.00	14.50
30	QPSK	1	76	14.10	16.88	14.07	14.50	17.00	14.50
30	QPSK	36	18	13.81	18.65	18.59	14.00	19.20	19.20
30	QPSK	1	0	13.83	16.82	14.18	14.00	17.00	14.50
30	QPSK	1	77	14.05	16.94	14.08	14.50	17.00	14.50
30	QPSK	75	0	13.94	16.78	14.25	14.00	17.00	14.50
30	16QAM	1	1	12.34	16.95	12.59	12.50	17.00	13.00
30	64QAM	1	1	12.27	16.99	12.62	12.50	17.00	13.00
30	256QAM	1	1	12.06	15.19	12.49	12.50	15.50	12.50
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	16.36	18.67	18.71	16.50	19.20	19.20
20	PI/2 BPSK	1	49	18.55	18.68	16.60	19.20	19.20	17.00
20	PI/2 BPSK	25	12	18.56	18.64	18.53	19.20	19.20	19.20
20	PI/2 BPSK	1	0	16.32	18.65	18.54	16.50	19.20	19.20
20	PI/2 BPSK	1	50	18.52	18.68	16.59	19.20	19.20	17.00
20	PI/2 BPSK	50	0	15.46	18.70	16.56	16.50	19.20	17.00
20	QPSK	1	1	16.37	18.65	18.62	16.50	19.20	19.20
20	QPSK	1	49	18.51	18.68	16.61	19.20	19.20	17.00
20	QPSK	25	12	18.54	18.67	18.60	19.20	19.20	19.20
20	QPSK	1	0	16.37	18.60	18.63	16.50	19.20	19.20
20	QPSK	1	50	18.47	18.62	16.52	19.20	19.20	17.00
20	QPSK	50	0	16.48	18.72	16.55	16.50	19.00	17.00
20	16QAM	1	1	15.58	18.63	18.57	16.00	19.20	19.20
20	64QAM	1	1	15.56	18.28	18.16	16.00	18.50	18.50
20	256QAM	1	1	14.84	15.11	14.88	15.00	15.50	15.00
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



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15	PI/2 BPSK	1	1	16.40	18.60	18.55	16.50	19.20	19.20
15	PI/2 BPSK	1	36	18.45	18.68	16.62	19.20	19.20	17.00
15	PI/2 BPSK	18	9	18.46	18.68	18.58	19.20	19.20	19.20
15	PI/2 BPSK	1	0	16.43	18.64	18.54	16.50	19.20	19.20
15	PI/2 BPSK	1	37	18.45	18.62	16.69	19.20	19.20	17.00
15	PI/2 BPSK	36	0	16.38	18.61	16.62	16.50	19.20	17.00
15	QPSK	1	1	16.42	18.64	18.63	16.50	19.20	19.20
15	QPSK	1	36	18.55	18.61	16.63	19.20	19.20	17.00
15	QPSK	18	9	18.54	18.66	18.60	19.20	19.20	19.20
15	QPSK	1	0	16.39	18.66	18.56	16.50	19.20	19.20
15	QPSK	1	37	18.51	18.66	16.62	19.20	19.20	17.00
15	QPSK	36	0	16.38	18.68	16.61	16.50	19.00	17.00
15	16QAM	1	1	15.49	18.58	18.58	15.50	19.20	19.20
15	64QAM	1	1	15.62	18.32	18.24	16.00	18.50	18.50
15	256QAM	1	1	14.73	15.16	14.95	15.00	15.50	15.00
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	18.51	18.67	18.59	19.20	19.20	19.20
10	PI/2 BPSK	1	22	18.45	18.61	18.53	19.20	19.20	19.20
10	PI/2 BPSK	12	6	18.52	18.66	18.58	19.20	19.20	19.20
10	PI/2 BPSK	1	0	18.46	18.61	18.58	19.20	19.20	19.20
10	PI/2 BPSK	1	23	18.45	18.61	18.54	19.20	19.20	19.20
10	PI/2 BPSK	24	0	18.45	18.65	18.60	19.20	19.20	19.20
10	QPSK	1	1	18.49	18.65	18.58	19.20	19.20	19.20
10	QPSK	1	22	18.45	18.66	18.57	19.20	19.20	19.20
10	QPSK	12	6	18.45	18.62	18.61	19.20	19.20	19.20
10	QPSK	1	0	18.52	18.67	18.60	19.20	19.20	19.20
10	QPSK	1	23	18.46	18.66	18.54	19.20	19.20	19.20
10	QPSK	24	0	18.33	18.73	18.66	18.50	19.00	19.00
10	16QAM	1	1	18.45	18.65	18.60	19.20	19.20	19.20
10	64QAM	1	1	17.92	18.26	18.31	18.00	18.50	18.50
10	256QAM	1	1	14.62	15.09	14.99	15.00	15.50	15.00



<FR1 n48_Ant 5_ECI 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	13.46	17.72	13.25	13.50	18.00	13.50
40	PI/2 BPSK	1	104	13.70	17.61	13.17	14.00	18.00	13.50
40	PI/2 BPSK	50	25	13.62	18.73	13.18	14.00	20.40	13.50
40	PI/2 BPSK	1	0	13.47	17.61	13.18	13.50	18.00	13.50
40	PI/2 BPSK	1	105	13.62	17.64	13.19	14.00	18.00	13.50
40	PI/2 BPSK	100	0	13.62	17.04	13.21	14.00	17.50	13.50
40	QPSK	1	1	13.47	17.57	13.15	13.50	18.00	13.50
40	QPSK	1	104	13.75	17.64	13.20	14.00	18.00	13.50
40	QPSK	50	25	13.63	18.54	13.34	14.00	20.40	13.50
40	QPSK	1	0	13.53	17.68	13.21	14.00	18.00	13.50
40	QPSK	1	105	13.69	17.66	13.16	14.00	18.00	13.50
40	QPSK	100	0	13.70	17.09	13.26	14.00	17.50	13.50
40	16QAM	1	1	12.06	17.68	11.78	12.50	18.00	12.00
40	64QAM	1	1	12.01	17.80	11.68	12.50	18.00	12.00
40	256QAM	1	1	11.70	15.97	11.45	12.00	16.00	11.50
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.45	17.78	13.35	13.50	18.00	13.50
30	PI/2 BPSK	1	76	13.58	17.70	13.24	14.00	18.00	13.50
30	PI/2 BPSK	36	18	13.46	18.42	18.48	13.50	20.40	20.40
30	PI/2 BPSK	1	0	13.42	17.82	13.36	13.50	18.00	13.50
30	PI/2 BPSK	1	77	13.58	17.72	13.23	14.00	18.00	13.50
30	PI/2 BPSK	75	0	13.57	17.57	13.34	14.00	18.00	13.50
30	QPSK	1	1	13.48	17.76	13.32	13.50	18.00	13.50
30	QPSK	1	76	13.64	17.53	13.24	14.00	18.00	13.50
30	QPSK	36	18	13.46	18.40	18.45	13.50	20.40	20.40
30	QPSK	1	0	13.45	17.69	13.32	13.50	18.00	13.50
30	QPSK	1	77	13.64	17.60	13.25	14.00	18.00	13.50
30	QPSK	75	0	13.49	17.62	13.33	13.50	18.00	13.50
30	16QAM	1	1	12.01	17.70	11.85	12.50	18.00	12.00
30	64QAM	1	1	11.93	17.61	11.76	12.00	18.00	12.00
30	256QAM	1	1	11.66	16.09	11.67	12.00	16.50	12.00
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	17.36	18.77	18.40	17.50	20.40	20.40
20	PI/2 BPSK	1	49	18.74	18.64	17.02	20.40	20.40	17.50
20	PI/2 BPSK	25	12	18.75	18.73	18.40	20.40	20.40	20.40
20	PI/2 BPSK	1	0	17.27	18.71	18.46	17.50	20.40	20.40
20	PI/2 BPSK	1	50	18.67	18.69	17.03	20.40	20.40	17.50
20	PI/2 BPSK	50	0	17.41	18.75	17.04	17.50	20.40	17.50
20	QPSK	1	1	17.26	18.66	18.40	17.50	20.40	20.40
20	QPSK	1	49	18.71	18.66	17.00	20.40	20.40	17.00
20	QPSK	25	12	18.64	18.63	18.42	20.40	20.40	20.40
20	QPSK	1	0	17.28	18.63	18.47	17.50	20.40	20.40
20	QPSK	1	50	18.65	18.71	17.05	20.40	20.40	17.50
20	QPSK	50	0	17.36	18.67	17.01	17.50	20.00	17.50
20	16QAM	1	1	16.34	18.73	18.42	16.50	20.40	20.40
20	64QAM	1	1	16.38	18.64	18.53	16.50	19.50	19.00
20	256QAM	1	1	15.62	15.81	15.39	16.00	16.00	15.50
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



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15	PI/2 BPSK	1	1	17.36	18.68	18.41	17.50	20.40	20.40
15	PI/2 BPSK	1	36	18.65	18.69	17.09	20.40	20.40	17.50
15	PI/2 BPSK	18	9	18.67	18.70	18.47	20.40	20.40	20.40
15	PI/2 BPSK	1	0	17.25	18.68	18.40	17.50	20.40	20.40
15	PI/2 BPSK	1	37	18.67	18.63	17.10	20.40	20.40	17.50
15	PI/2 BPSK	36	0	17.33	18.73	17.04	17.50	20.40	17.50
15	QPSK	1	1	17.31	18.73	18.41	17.50	20.40	20.40
15	QPSK	1	36	18.68	18.71	17.07	20.40	20.40	17.50
15	QPSK	18	9	18.68	18.65	18.41	20.40	20.40	20.40
15	QPSK	1	0	17.32	18.67	18.46	17.50	20.40	20.40
15	QPSK	1	37	18.69	18.67	17.11	20.40	20.40	17.50
15	QPSK	36	0	17.28	18.63	17.09	17.50	20.00	17.50
15	16QAM	1	1	16.28	18.68	18.41	16.50	20.40	20.40
15	64QAM	1	1	16.40	18.67	18.67	16.50	19.50	19.00
15	256QAM	1	1	15.70	15.97	15.60	16.00	16.00	16.00
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	18.64	18.64	18.41	20.40	20.40	20.40
10	PI/2 BPSK	1	22	18.67	18.64	18.40	20.40	20.40	20.40
10	PI/2 BPSK	12	6	18.72	18.70	18.48	20.40	20.40	20.40
10	PI/2 BPSK	1	0	18.67	18.63	18.40	20.40	20.40	20.40
10	PI/2 BPSK	1	23	18.69	18.64	18.40	20.40	20.40	20.40
10	PI/2 BPSK	24	0	18.74	18.66	18.41	20.40	20.40	20.40
10	QPSK	1	1	18.73	18.72	18.44	20.40	20.40	20.40
10	QPSK	1	22	18.72	18.71	18.41	20.40	20.40	20.40
10	QPSK	12	6	18.72	18.72	18.47	20.40	20.40	20.40
10	QPSK	1	0	18.71	18.72	18.40	20.40	20.40	20.40
10	QPSK	1	23	18.64	18.70	18.43	20.40	20.40	20.40
10	QPSK	24	0	18.68	18.70	18.39	19.50	20.00	19.50
10	16QAM	1	1	18.71	18.73	18.48	20.40	20.40	20.40
10	64QAM	1	1	18.77	18.67	18.59	19.00	19.50	19.00
10	256QAM	1	1	15.60	15.88	15.44	16.00	16.00	15.50

<FR1 n48_Ant 5_ECI 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	13.46	17.72	13.25	13.50	18.00	13.50
40	PI/2 BPSK	1	104	13.70	17.61	13.17	14.00	18.00	13.50
40	PI/2 BPSK	50	25	13.62	18.73	13.18	14.00	18.80	13.50
40	PI/2 BPSK	1	0	13.47	17.61	13.18	13.50	18.00	13.50
40	PI/2 BPSK	1	105	13.62	17.64	13.19	14.00	18.00	13.50
40	PI/2 BPSK	100	0	13.62	17.04	13.21	14.00	17.50	13.50
40	QPSK	1	1	13.47	17.57	13.15	13.50	18.00	13.50
40	QPSK	1	104	13.75	17.64	13.20	14.00	18.00	13.50
40	QPSK	50	25	13.63	18.54	13.34	14.00	18.80	13.50
40	QPSK	1	0	13.53	17.68	13.21	14.00	18.00	13.50
40	QPSK	1	105	13.69	17.66	13.16	14.00	18.00	13.50
40	QPSK	100	0	13.70	17.09	13.26	14.00	17.50	13.50
40	16QAM	1	1	12.06	17.68	11.78	12.50	18.00	12.00
40	64QAM	1	1	12.01	17.80	11.68	12.50	18.00	12.00
40	256QAM	1	1	11.70	15.97	11.45	12.00	16.00	11.50
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.45	17.78	13.35	13.50	18.00	13.50
30	PI/2 BPSK	1	76	13.58	17.70	13.24	14.00	18.00	13.50
30	PI/2 BPSK	36	18	13.46	18.42	18.48	13.50	18.80	18.80
30	PI/2 BPSK	1	0	13.42	17.82	13.36	13.50	18.00	13.50
30	PI/2 BPSK	1	77	13.58	17.72	13.23	14.00	18.00	13.50
30	PI/2 BPSK	75	0	13.57	17.57	13.34	14.00	18.00	13.50
30	QPSK	1	1	13.48	17.76	13.32	13.50	18.00	13.50
30	QPSK	1	76	13.64	17.53	13.24	14.00	18.00	13.50
30	QPSK	36	18	13.46	18.40	18.45	13.50	18.80	18.80
30	QPSK	1	0	13.45	17.69	13.32	13.50	18.00	13.50
30	QPSK	1	77	13.64	17.60	13.25	14.00	18.00	13.50
30	QPSK	75	0	13.49	17.62	13.33	13.50	18.00	13.50
30	16QAM	1	1	12.01	17.70	11.85	12.50	18.00	12.00
30	64QAM	1	1	11.93	17.61	11.76	12.00	18.00	12.00
30	256QAM	1	1	11.66	16.09	11.67	12.00	16.50	12.00
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	17.36	18.77	18.40	17.50	18.80	18.80
20	PI/2 BPSK	1	49	18.74	18.64	17.02	18.80	18.80	17.50
20	PI/2 BPSK	25	12	18.75	18.73	18.40	18.80	18.80	18.80
20	PI/2 BPSK	1	0	17.27	18.71	18.46	17.50	18.80	18.80
20	PI/2 BPSK	1	50	18.67	18.69	17.03	18.80	18.80	17.50
20	PI/2 BPSK	50	0	17.41	18.75	17.04	17.50	18.80	17.50
20	QPSK	1	1	17.26	18.66	18.40	17.50	18.80	18.80
20	QPSK	1	49	18.71	18.66	17.00	18.80	18.80	17.00
20	QPSK	25	12	18.64	18.63	18.42	18.80	18.80	18.80
20	QPSK	1	0	17.28	18.63	18.47	17.50	18.80	18.80
20	QPSK	1	50	18.65	18.71	17.05	18.80	18.80	17.50
20	QPSK	50	0	17.36	18.67	17.01	17.50	18.80	17.50
20	16QAM	1	1	16.34	18.73	18.42	16.50	18.80	18.80
20	64QAM	1	1	16.38	18.64	18.53	16.50	18.80	18.80
20	256QAM	1	1	15.62	15.81	15.39	16.00	16.00	15.50
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	17.36	18.68	18.41	17.50	18.80	18.80
15	PI/2 BPSK	1	36	18.65	18.69	17.09	18.80	18.80	17.50
15	PI/2 BPSK	18	9	18.67	18.70	18.47	18.80	18.80	18.80
15	PI/2 BPSK	1	0	17.25	18.68	18.40	17.50	18.80	18.80
15	PI/2 BPSK	1	37	18.67	18.63	17.10	18.80	18.80	17.50
15	PI/2 BPSK	36	0	17.33	18.73	17.04	17.50	18.80	17.50
15	QPSK	1	1	17.31	18.73	18.41	17.50	18.80	18.80
15	QPSK	1	36	18.68	18.71	17.07	18.80	18.80	17.50
15	QPSK	18	9	18.68	18.65	18.41	18.80	18.80	18.80
15	QPSK	1	0	17.32	18.67	18.46	17.50	18.80	18.80
15	QPSK	1	37	18.69	18.67	17.11	18.80	18.80	17.50
15	QPSK	36	0	17.28	18.63	17.09	17.50	18.80	17.50
15	16QAM	1	1	16.28	18.68	18.41	16.50	18.80	18.80
15	64QAM	1	1	16.40	18.67	18.67	16.50	18.80	18.80
15	256QAM	1	1	15.70	15.97	15.60	16.00	16.00	16.00
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	18.64	18.64	18.41	18.80	18.80	18.80
10	PI/2 BPSK	1	22	18.67	18.64	18.40	18.80	18.80	18.80
10	PI/2 BPSK	12	6	18.72	18.70	18.48	18.80	18.80	18.80
10	PI/2 BPSK	1	0	18.67	18.63	18.40	18.80	18.80	18.80
10	PI/2 BPSK	1	23	18.69	18.64	18.40	18.80	18.80	18.80
10	PI/2 BPSK	24	0	18.74	18.66	18.41	18.80	18.80	18.80
10	QPSK	1	1	18.73	18.72	18.44	18.80	18.80	18.80
10	QPSK	1	22	18.72	18.71	18.41	18.80	18.80	18.80
10	QPSK	12	6	18.72	18.72	18.47	18.80	18.80	18.80
10	QPSK	1	0	18.71	18.72	18.40	18.80	18.80	18.80
10	QPSK	1	23	18.64	18.70	18.43	18.80	18.80	18.80
10	QPSK	24	0	18.68	18.70	18.39	18.80	18.80	18.80
10	16QAM	1	1	18.71	18.73	18.48	18.80	18.80	18.80
10	64QAM	1	1	18.77	18.67	18.59	18.80	18.80	18.80
10	256QAM	1	1	15.60	15.88	15.44	16.00	16.00	15.50

<FR1 n48_Ant 5_ECI 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	13.46	17.72	13.25	13.50	18.00	13.50
40	PI/2 BPSK	1	104	13.70	17.61	13.17	14.00	18.00	13.50
40	PI/2 BPSK	50	25	13.62	19.68	13.18	14.00	21.10	13.50
40	PI/2 BPSK	1	0	13.47	17.61	13.18	13.50	18.00	13.50
40	PI/2 BPSK	1	105	13.62	17.64	13.19	14.00	18.00	13.50
40	PI/2 BPSK	100	0	13.62	17.04	13.21	14.00	17.50	13.50
40	QPSK	1	1	13.47	17.57	13.15	13.50	18.00	13.50
40	QPSK	1	104	13.75	17.64	13.20	14.00	18.00	13.50
40	QPSK	50	25	13.63	19.61	13.34	14.00	21.10	13.50
40	QPSK	1	0	13.53	17.68	13.21	14.00	18.00	13.50
40	QPSK	1	105	13.69	17.66	13.16	14.00	18.00	13.50
40	QPSK	100	0	13.70	17.09	13.26	14.00	17.50	13.50
40	16QAM	1	1	12.06	17.68	11.78	12.50	18.00	12.00
40	64QAM	1	1	12.01	17.80	11.68	12.50	18.00	12.00
40	256QAM	1	1	11.70	15.97	11.45	12.00	16.00	11.50
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.45	17.78	13.35	13.50	18.00	13.50
30	PI/2 BPSK	1	76	13.58	17.70	13.24	14.00	18.00	13.50
30	PI/2 BPSK	36	18	13.46	19.64	19.41	13.50	21.10	21.10
30	PI/2 BPSK	1	0	13.42	17.82	13.36	13.50	18.00	13.50
30	PI/2 BPSK	1	77	13.58	17.72	13.23	14.00	18.00	13.50
30	PI/2 BPSK	75	0	13.57	17.57	13.34	14.00	18.00	13.50
30	QPSK	1	1	13.48	17.76	13.32	13.50	18.00	13.50
30	QPSK	1	76	13.64	17.53	13.24	14.00	18.00	13.50
30	QPSK	36	18	13.46	19.61	19.32	13.50	21.10	21.10
30	QPSK	1	0	13.45	17.69	13.32	13.50	18.00	13.50
30	QPSK	1	77	13.64	17.60	13.25	14.00	18.00	13.50
30	QPSK	75	0	13.49	17.62	13.33	13.50	18.00	13.50
30	16QAM	1	1	12.01	17.70	11.85	12.50	18.00	12.00
30	64QAM	1	1	11.93	17.61	11.76	12.00	18.00	12.00
30	256QAM	1	1	11.66	16.09	11.67	12.00	16.50	12.00
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	17.36	19.75	19.48	17.50	21.10	21.10
20	PI/2 BPSK	1	49	19.59	19.58	17.02	21.10	21.10	17.50
20	PI/2 BPSK	25	12	19.56	19.58	19.33	21.10	21.10	21.10
20	PI/2 BPSK	1	0	17.27	19.68	19.37	17.50	21.10	20.50
20	PI/2 BPSK	1	50	19.51	19.58	17.03	21.00	21.00	17.50
20	PI/2 BPSK	50	0	17.41	19.72	17.04	17.50	21.00	17.50
20	QPSK	1	1	17.26	19.66	19.35	17.50	21.10	21.10
20	QPSK	1	49	19.51	19.64	17.00	21.10	21.10	17.00
20	QPSK	25	12	19.55	19.68	19.35	21.10	21.10	21.10
20	QPSK	1	0	17.28	19.66	19.41	17.50	20.50	20.50
20	QPSK	1	50	19.49	19.58	17.05	20.50	20.50	17.50
20	QPSK	50	0	17.36	19.53	17.01	17.50	20.00	17.50
20	16QAM	1	1	16.34	19.68	19.40	16.50	21.00	20.50
20	64QAM	1	1	16.38	19.06	18.53	16.50	19.50	19.00
20	256QAM	1	1	15.62	15.81	15.39	16.00	16.00	15.50
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



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15	PI/2 BPSK	1	1	17.36	19.58	19.38	17.50	21.10	21.00
15	PI/2 BPSK	1	36	19.49	19.62	17.09	21.10	21.10	17.50
15	PI/2 BPSK	18	9	19.48	19.67	19.36	21.10	21.10	21.00
15	PI/2 BPSK	1	0	17.25	19.66	19.34	17.50	21.10	21.00
15	PI/2 BPSK	1	37	19.53	19.62	17.10	21.00	21.10	17.50
15	PI/2 BPSK	36	0	17.33	19.59	17.04	17.50	20.50	17.50
15	QPSK	1	1	17.31	19.64	19.37	17.50	21.10	21.10
15	QPSK	1	36	19.52	19.68	17.07	21.10	21.10	17.50
15	QPSK	18	9	19.50	19.66	19.37	21.10	21.10	21.10
15	QPSK	1	0	17.32	19.61	19.34	17.50	21.00	20.50
15	QPSK	1	37	19.56	19.59	17.11	20.50	21.00	17.50
15	QPSK	36	0	17.28	19.59	17.09	17.50	20.00	17.50
15	16QAM	1	1	16.28	19.67	19.34	16.50	21.00	20.50
15	64QAM	1	1	16.40	19.10	18.67	16.50	19.50	19.00
15	256QAM	1	1	15.70	15.97	15.60	16.00	16.00	16.00
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	19.48	19.58	19.31	21.10	21.10	21.10
10	PI/2 BPSK	1	22	19.55	19.64	19.33	21.10	21.10	21.10
10	PI/2 BPSK	12	6	19.50	19.63	19.41	21.10	21.10	21.10
10	PI/2 BPSK	1	0	19.46	19.62	19.40	21.00	21.10	21.00
10	PI/2 BPSK	1	23	19.53	19.63	19.38	21.00	21.10	21.00
10	PI/2 BPSK	24	0	19.49	19.63	19.37	20.50	21.00	20.50
10	QPSK	1	1	19.49	19.61	19.40	21.10	21.10	21.10
10	QPSK	1	22	19.50	19.61	19.38	21.10	21.10	21.10
10	QPSK	12	6	19.47	19.59	19.33	21.10	21.10	21.10
10	QPSK	1	0	19.53	19.65	19.38	20.50	21.00	20.50
10	QPSK	1	23	19.51	19.59	19.34	20.50	20.50	20.50
10	QPSK	24	0	19.27	19.51	19.08	19.50	20.00	19.50
10	16QAM	1	1	19.54	19.64	19.35	20.50	20.50	20.50
10	64QAM	1	1	18.77	19.15	18.59	19.00	19.50	19.00
10	256QAM	1	1	15.60	15.88	15.44	16.00	16.00	15.50



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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	13.46	17.72	13.25	13.50	18.00	13.50
40	PI/2 BPSK	1	104	13.70	17.61	13.17	14.00	18.00	13.50
40	PI/2 BPSK	50	25	13.62	19.68	13.18	14.00	20.40	13.50
40	PI/2 BPSK	1	0	13.47	17.61	13.18	13.50	18.00	13.50
40	PI/2 BPSK	1	105	13.62	17.64	13.19	14.00	18.00	13.50
40	PI/2 BPSK	100	0	13.62	17.04	13.21	14.00	17.50	13.50
40	QPSK	1	1	13.47	17.57	13.15	13.50	18.00	13.50
40	QPSK	1	104	13.75	17.64	13.20	14.00	18.00	13.50
40	QPSK	50	25	13.63	19.61	13.34	14.00	20.40	13.50
40	QPSK	1	0	13.53	17.68	13.21	14.00	18.00	13.50
40	QPSK	1	105	13.69	17.66	13.16	14.00	18.00	13.50
40	QPSK	100	0	13.70	17.09	13.26	14.00	17.50	13.50
40	16QAM	1	1	12.06	17.68	11.78	12.50	18.00	12.00
40	64QAM	1	1	12.01	17.80	11.68	12.50	18.00	12.00
40	256QAM	1	1	11.70	15.97	11.45	12.00	16.00	11.50
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	13.45	17.78	13.35	13.50	18.00	13.50
30	PI/2 BPSK	1	76	13.58	17.70	13.24	14.00	18.00	13.50
30	PI/2 BPSK	36	18	13.46	19.64	19.41	13.50	20.40	20.40
30	PI/2 BPSK	1	0	13.42	17.82	13.36	13.50	18.00	13.50
30	PI/2 BPSK	1	77	13.58	17.72	13.23	14.00	18.00	13.50
30	PI/2 BPSK	75	0	13.57	17.57	13.34	14.00	18.00	13.50
30	QPSK	1	1	13.48	17.76	13.32	13.50	18.00	13.50
30	QPSK	1	76	13.64	17.53	13.24	14.00	18.00	13.50
30	QPSK	36	18	13.46	19.61	19.32	13.50	20.40	20.40
30	QPSK	1	0	13.45	17.69	13.32	13.50	18.00	13.50
30	QPSK	1	77	13.64	17.60	13.25	14.00	18.00	13.50
30	QPSK	75	0	13.49	17.62	13.33	13.50	18.00	13.50
30	16QAM	1	1	12.01	17.70	11.85	12.50	18.00	12.00
30	64QAM	1	1	11.93	17.61	11.76	12.00	18.00	12.00
30	256QAM	1	1	11.66	16.09	11.67	12.00	16.50	12.00
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	17.36	19.75	19.48	17.50	20.40	20.40
20	PI/2 BPSK	1	49	19.59	19.58	17.02	20.40	20.40	17.50
20	PI/2 BPSK	25	12	19.56	19.58	19.33	20.40	20.40	20.40
20	PI/2 BPSK	1	0	17.27	19.68	19.37	17.50	20.40	20.40
20	PI/2 BPSK	1	50	19.51	19.58	17.03	20.40	20.40	17.50
20	PI/2 BPSK	50	0	17.41	19.72	17.04	17.50	20.40	17.50
20	QPSK	1	1	17.26	19.66	19.35	17.50	20.40	20.40
20	QPSK	1	49	19.51	19.64	17.00	20.40	20.40	17.00
20	QPSK	25	12	19.55	19.68	19.35	20.40	20.40	20.40
20	QPSK	1	0	17.28	19.66	19.41	17.50	20.40	20.40
20	QPSK	1	50	19.49	19.58	17.05	20.40	20.40	17.50
20	QPSK	50	0	17.36	19.53	17.01	17.50	20.00	17.50
20	16QAM	1	1	16.34	19.68	19.40	16.50	20.40	20.40
20	64QAM	1	1	16.38	19.06	18.53	16.50	19.50	19.00
20	256QAM	1	1	15.62	15.81	15.39	16.00	16.00	15.50
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



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15	PI/2 BPSK	1	1	17.36	19.58	19.38	17.50	20.40	20.40
15	PI/2 BPSK	1	36	19.49	19.62	17.09	20.40	20.40	17.50
15	PI/2 BPSK	18	9	19.48	19.67	19.36	20.40	20.40	20.40
15	PI/2 BPSK	1	0	17.25	19.66	19.34	17.50	20.40	20.40
15	PI/2 BPSK	1	37	19.53	19.62	17.10	20.40	20.40	17.50
15	PI/2 BPSK	36	0	17.33	19.59	17.04	17.50	20.40	17.50
15	QPSK	1	1	17.31	19.64	19.37	17.50	20.40	20.40
15	QPSK	1	36	19.52	19.68	17.07	20.40	20.40	17.50
15	QPSK	18	9	19.50	19.66	19.37	20.40	20.40	20.40
15	QPSK	1	0	17.32	19.61	19.34	17.50	20.40	20.40
15	QPSK	1	37	19.56	19.59	17.11	20.40	20.40	17.50
15	QPSK	36	0	17.28	19.59	17.09	17.50	20.00	17.50
15	16QAM	1	1	16.28	19.67	19.34	16.50	20.40	20.40
15	64QAM	1	1	16.40	19.10	18.67	16.50	19.50	19.00
15	256QAM	1	1	15.70	15.97	15.60	16.00	16.00	16.00
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	19.48	19.58	19.31	20.40	20.40	20.40
10	PI/2 BPSK	1	22	19.55	19.64	19.33	20.40	20.40	20.40
10	PI/2 BPSK	12	6	19.50	19.63	19.41	20.40	20.40	20.40
10	PI/2 BPSK	1	0	19.46	19.62	19.40	20.40	20.40	20.40
10	PI/2 BPSK	1	23	19.53	19.63	19.38	20.40	20.40	20.40
10	PI/2 BPSK	24	0	19.49	19.63	19.37	20.40	20.40	20.40
10	QPSK	1	1	19.49	19.61	19.40	20.40	20.40	20.40
10	QPSK	1	22	19.50	19.61	19.38	20.40	20.40	20.40
10	QPSK	12	6	19.47	19.59	19.33	20.40	20.40	20.40
10	QPSK	1	0	19.53	19.65	19.38	20.40	20.40	20.40
10	QPSK	1	23	19.51	19.59	19.34	20.40	20.40	20.40
10	QPSK	24	0	19.27	19.51	19.08	19.50	20.00	19.50
10	16QAM	1	1	19.54	19.64	19.35	20.40	20.40	20.40
10	64QAM	1	1	18.77	19.15	18.59	19.00	19.50	19.00
10	256QAM	1	1	15.60	15.88	15.44	16.00	16.00	15.50

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	23.98	24.12	24.06	25.00
45	PI/2 BPSK	1	120	24.10	24.10	24.17	25.00
45	PI/2 BPSK	1	240	24.04	24.06	24.07	25.00
45	PI/2 BPSK	120	0	23.49	23.60	23.61	24.50
45	PI/2 BPSK	120	60	24.09	24.19	24.14	25.00
45	PI/2 BPSK	120	120	23.57	23.61	23.55	24.50
45	PI/2 BPSK	240	0	23.58	23.61	23.53	24.50
45	QPSK	1	1	23.96	24.01	24.03	25.00
45	QPSK	1	120	24.08	24.19	24.14	25.00
45	QPSK	1	240	24.00	24.04	24.06	25.00
45	QPSK	120	0	23.02	23.09	23.10	24.00
45	QPSK	120	60	24.11	24.19	24.18	25.00
45	QPSK	120	120	23.09	23.15	23.11	24.00
45	QPSK	240	0	23.07	23.13	23.08	24.00
45	16QAM	1	1	22.92	23.02	23.09	24.00
45	64QAM	1	1	21.35	21.49	21.52	22.50
45	256QAM	1	1	19.29	19.41	19.47	20.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.90	24.04	24.02	25.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	23.90	24.06	23.94	25.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.89	24.09	23.91	25.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.93	24.06	24.03	25.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.83	24.09	23.92	25.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.87	24.10	23.98	25.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.89	24.03	23.99	25.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.89	24.08	24.00	25.00

【FR1 n66_Ant 0_ECI 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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	23.98	24.12	24.06	25.00
45	PI/2 BPSK	1	120	24.10	24.10	24.17	25.00
45	PI/2 BPSK	1	240	24.04	24.06	24.07	25.00
45	PI/2 BPSK	120	0	23.49	23.60	23.61	24.50
45	PI/2 BPSK	120	60	24.09	24.19	24.14	25.00
45	PI/2 BPSK	120	120	23.57	23.61	23.55	24.50
45	PI/2 BPSK	240	0	23.58	23.61	23.53	24.50
45	QPSK	1	1	23.96	24.01	24.03	25.00
45	QPSK	1	120	24.08	24.19	24.14	25.00
45	QPSK	1	240	24.00	24.04	24.06	25.00
45	QPSK	120	0	23.02	23.09	23.10	24.00
45	QPSK	120	60	24.11	24.19	24.18	25.00
45	QPSK	120	120	23.09	23.15	23.11	24.00
45	QPSK	240	0	23.07	23.13	23.08	24.00
45	16QAM	1	1	22.92	23.02	23.09	24.00
45	64QAM	1	1	21.35	21.49	21.52	22.50

45	256QAM	1	1	19.29	19.41	19.47	20.50
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	23.90	24.04	24.02	25.00
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	23.90	24.06	23.94	25.00
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	23.89	24.09	23.91	25.00
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	23.93	24.06	24.03	25.00
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	23.83	24.09	23.92	25.00
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	23.87	24.10	23.98	25.00
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	23.89	24.03	23.99	25.00
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	23.89	24.08	24.00	25.00

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	14.88	15.00	15.03	16.50
45	PI/2 BPSK	1	120	15.00	15.18	15.12	16.50
45	PI/2 BPSK	1	240	15.05	14.99	15.05	16.50
45	PI/2 BPSK	120	0	15.09	15.12	15.11	16.50
45	PI/2 BPSK	120	60	15.10	15.17	15.15	16.50
45	PI/2 BPSK	120	120	15.11	15.14	15.09	16.50
45	PI/2 BPSK	240	0	15.08	15.12	15.07	16.50
45	QPSK	1	1	14.79	14.88	14.92	16.50
45	QPSK	1	120	14.91	15.13	15.01	16.50
45	QPSK	1	240	14.90	14.91	15.00	16.50
45	QPSK	120	0	15.09	15.15	15.13	16.50
45	QPSK	120	60	15.08	15.17	15.16	16.50
45	QPSK	120	120	15.10	15.20	15.11	16.50
45	QPSK	240	0	15.09	15.14	15.13	16.50
45	16QAM	1	1	15.20	15.20	15.18	16.50
45	64QAM	1	1	15.12	15.13	15.20	16.50
45	256QAM	1	1	15.14	15.18	15.13	16.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	14.80	14.88	14.97	16.50
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	14.73	14.89	14.95	16.50
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	14.78	14.88	14.91	16.50
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	14.77	14.87	14.94	16.50
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	14.82	14.95	14.89	16.50
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	14.85	14.96	15.00	16.50
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	14.74	14.93	14.95	16.50
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	14.78	14.93	15.02	16.50

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	14.88	15.00	15.03	15.20
45	PI/2 BPSK	1	120	15.00	15.18	15.12	15.20
45	PI/2 BPSK	1	240	15.05	14.99	15.05	15.20
45	PI/2 BPSK	120	0	15.09	15.12	15.11	15.20
45	PI/2 BPSK	120	60	15.10	15.17	15.15	15.20
45	PI/2 BPSK	120	120	15.11	15.14	15.09	15.20
45	PI/2 BPSK	240	0	15.08	15.12	15.07	15.20
45	QPSK	1	1	14.79	14.88	14.92	15.20
45	QPSK	1	120	14.91	15.13	15.01	15.20
45	QPSK	1	240	14.90	14.91	15.00	15.20
45	QPSK	120	0	15.09	15.15	15.13	15.20
45	QPSK	120	60	15.08	15.17	15.16	15.20
45	QPSK	120	120	15.10	15.20	15.11	15.20
45	QPSK	240	0	15.09	15.14	15.13	15.20
45	16QAM	1	1	15.20	15.20	15.18	15.20
45	64QAM	1	1	15.12	15.13	15.20	15.20
45	256QAM	1	1	15.14	15.18	15.13	15.20
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	14.80	14.88	14.97	15.20

Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	14.73	14.89	14.95	15.20
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	14.78	14.88	14.91	15.20
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	14.77	14.87	14.94	15.20
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	14.82	14.95	14.89	15.20
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	14.85	14.96	15.00	15.20
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	14.74	14.93	14.95	15.20
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	14.78	14.93	15.02	15.20

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	14.88	15.00	15.03	15.20
45	PI/2 BPSK	1	120	15.00	15.18	15.12	15.20
45	PI/2 BPSK	1	240	15.05	14.99	15.05	15.20
45	PI/2 BPSK	120	0	15.09	15.12	15.11	15.20
45	PI/2 BPSK	120	60	15.10	15.17	15.15	15.20
45	PI/2 BPSK	120	120	15.11	15.14	15.09	15.20
45	PI/2 BPSK	240	0	15.08	15.12	15.07	15.20
45	QPSK	1	1	14.79	14.88	14.92	15.20
45	QPSK	1	120	14.91	15.13	15.01	15.20
45	QPSK	1	240	14.90	14.91	15.00	15.20
45	QPSK	120	0	15.09	15.15	15.13	15.20
45	QPSK	120	60	15.08	15.17	15.16	15.20
45	QPSK	120	120	15.10	15.20	15.11	15.20
45	QPSK	240	0	15.09	15.14	15.13	15.20
45	16QAM	1	1	15.20	15.20	15.18	15.20
45	64QAM	1	1	15.12	15.13	15.20	15.20
45	256QAM	1	1	15.14	15.18	15.13	15.20
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	14.80	14.88	14.97	15.20
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	14.73	14.89	14.95	15.20
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	14.78	14.88	14.91	15.20
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	14.77	14.87	14.94	15.20
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	14.82	14.95	14.89	15.20
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	14.85	14.96	15.00	15.20
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	14.74	14.93	14.95	15.20
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	14.78	14.93	15.02	15.20

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	18.01	18.08	18.05	19.80
45	PI/2 BPSK	1	120	18.13	18.38	18.19	19.80
45	PI/2 BPSK	1	240	18.14	18.21	18.03	19.80
45	PI/2 BPSK	120	0	18.11	18.27	18.19	19.80
45	PI/2 BPSK	120	60	18.15	18.29	18.18	19.80
45	PI/2 BPSK	120	120	18.30	18.21	18.11	19.80
45	PI/2 BPSK	240	0	18.16	18.13	18.15	19.80
45	QPSK	1	1	18.00	18.00	18.09	19.80
45	QPSK	1	120	18.18	18.30	18.22	19.80
45	QPSK	1	240	18.19	18.11	18.02	19.80
45	QPSK	120	0	18.16	18.22	18.21	19.80
45	QPSK	120	60	18.17	18.30	18.17	19.80
45	QPSK	120	120	18.30	18.19	18.13	19.80
45	QPSK	240	0	18.15	18.15	18.21	19.80
45	16QAM	1	1	18.10	18.11	18.20	19.80
45	64QAM	1	1	18.16	18.09	18.06	19.80
45	256QAM	1	1	18.07	18.03	18.05	19.80
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.04	18.11	18.07	19.80
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	18.01	18.03	18.10	19.80
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.05	18.08	18.06	19.80
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	18.07	18.02	18.07	19.80
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.05	18.15	18.02	19.80
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.10	18.07	18.03	19.80
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.04	18.08	18.13	19.80
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.14	18.14	18.09	19.80

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	18.01	18.08	18.05	19.10
45	PI/2 BPSK	1	120	18.13	18.38	18.19	19.10
45	PI/2 BPSK	1	240	18.14	18.21	18.03	19.10
45	PI/2 BPSK	120	0	18.11	18.27	18.19	19.10
45	PI/2 BPSK	120	60	18.15	18.29	18.18	19.10
45	PI/2 BPSK	120	120	18.30	18.21	18.11	19.10
45	PI/2 BPSK	240	0	18.16	18.13	18.15	19.10
45	QPSK	1	1	18.00	18.00	18.09	19.10
45	QPSK	1	120	18.18	18.30	18.22	19.10
45	QPSK	1	240	18.19	18.11	18.02	19.10
45	QPSK	120	0	18.16	18.22	18.21	19.10
45	QPSK	120	60	18.17	18.30	18.17	19.10
45	QPSK	120	120	18.30	18.19	18.13	19.10
45	QPSK	240	0	18.15	18.15	18.21	19.10
45	16QAM	1	1	18.10	18.11	18.20	19.10
45	64QAM	1	1	18.16	18.09	18.06	19.10



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45	256QAM	1	1	18.07	18.03	18.05	19.10
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	18.04	18.11	18.07	19.10
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	18.01	18.03	18.10	19.10
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	18.05	18.08	18.06	19.10
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	18.07	18.02	18.07	19.10
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	18.05	18.15	18.02	19.10
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	18.10	18.07	18.03	19.10
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	18.04	18.08	18.13	19.10
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	18.14	18.14	18.09	19.10

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.44	22.48	22.53	23.40
45	PI/2 BPSK	1	120	22.57	22.62	22.52	23.40
45	PI/2 BPSK	1	240	22.48	22.44	22.46	23.40
45	PI/2 BPSK	120	0	22.54	22.66	22.62	23.40
45	PI/2 BPSK	120	60	22.56	22.64	22.56	23.40
45	PI/2 BPSK	120	120	22.62	22.60	22.56	23.40
45	PI/2 BPSK	240	0	22.55	22.60	22.58	23.40
45	QPSK	1	1	22.41	22.41	22.50	23.40
45	QPSK	1	120	22.54	22.70	22.54	23.40
45	QPSK	1	240	22.46	22.36	22.39	23.40
45	QPSK	120	0	22.58	22.68	22.63	23.40
45	QPSK	120	60	22.55	22.64	22.59	23.40
45	QPSK	120	120	22.65	22.61	22.59	23.40
45	QPSK	240	0	22.57	22.62	22.61	23.40
45	16QAM	1	1	22.67	22.66	22.65	23.40
45	64QAM	1	1	21.78	21.81	21.81	22.50
45	256QAM	1	1	19.71	19.70	19.68	20.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.38	22.44	22.47	23.40
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	22.35	22.44	22.50	23.40
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.42	22.37	22.47	23.40
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.32	22.34	22.40	23.40
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.38	22.44	22.39	23.40
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.35	22.43	22.49	23.40
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.38	22.41	22.45	23.40
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.41	22.43	22.43	23.40

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.44	22.48	22.53	22.70
45	PI/2 BPSK	1	120	22.57	22.62	22.52	22.70
45	PI/2 BPSK	1	240	22.48	22.44	22.46	22.70
45	PI/2 BPSK	120	0	22.54	22.66	22.62	22.70
45	PI/2 BPSK	120	60	22.56	22.64	22.56	22.70
45	PI/2 BPSK	120	120	22.62	22.60	22.56	22.70
45	PI/2 BPSK	240	0	22.55	22.60	22.58	22.70
45	QPSK	1	1	22.41	22.41	22.50	22.70
45	QPSK	1	120	22.54	22.70	22.54	22.70
45	QPSK	1	240	22.46	22.36	22.39	22.70
45	QPSK	120	0	22.58	22.68	22.63	22.70
45	QPSK	120	60	22.55	22.64	22.59	22.70
45	QPSK	120	120	22.65	22.61	22.59	22.70
45	QPSK	240	0	22.57	22.62	22.61	22.70
45	16QAM	1	1	22.67	22.66	22.65	22.70
45	64QAM	1	1	21.78	21.81	21.81	22.50
45	256QAM	1	1	19.71	19.70	19.68	20.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.38	22.44	22.47	22.70

Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	22.35	22.44	22.50	22.70
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	22.42	22.37	22.47	22.70
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	22.32	22.34	22.40	22.70
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	22.38	22.44	22.39	22.70
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	22.35	22.43	22.49	22.70
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	22.38	22.41	22.45	22.70
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	22.41	22.43	22.43	22.70

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.44	22.48	22.53	22.70
45	PI/2 BPSK	1	120	22.57	22.62	22.52	22.70
45	PI/2 BPSK	1	240	22.48	22.44	22.46	22.70
45	PI/2 BPSK	120	0	22.54	22.66	22.62	22.70
45	PI/2 BPSK	120	60	22.56	22.64	22.56	22.70
45	PI/2 BPSK	120	120	22.62	22.60	22.56	22.70
45	PI/2 BPSK	240	0	22.55	22.60	22.58	22.70
45	QPSK	1	1	22.41	22.41	22.50	22.70
45	QPSK	1	120	22.54	22.70	22.54	22.70
45	QPSK	1	240	22.46	22.36	22.39	22.70
45	QPSK	120	0	22.58	22.68	22.63	22.70
45	QPSK	120	60	22.55	22.64	22.59	22.70
45	QPSK	120	120	22.65	22.61	22.59	22.70
45	QPSK	240	0	22.57	22.62	22.61	22.70
45	16QAM	1	1	22.67	22.66	22.65	22.70
45	64QAM	1	1	21.78	21.81	21.81	22.50
45	256QAM	1	1	19.71	19.70	19.68	20.50
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	22.38	22.44	22.47	22.70
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	22.35	22.44	22.50	22.70
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	22.42	22.37	22.47	22.70
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	22.32	22.34	22.40	22.70
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	22.38	22.44	22.39	22.70
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	22.35	22.43	22.49	22.70
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	22.38	22.41	22.45	22.70
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	22.41	22.43	22.43	22.70

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	24.23	24.26	24.21	25.00
45	PI/2 BPSK	1	120	24.10	24.25	24.17	25.00
45	PI/2 BPSK	1	240	24.13	24.18	24.19	25.00
45	PI/2 BPSK	120	0	23.65	23.69	23.70	24.50
45	PI/2 BPSK	120	60	24.22	24.25	24.24	25.00
45	PI/2 BPSK	120	120	23.67	23.68	23.72	24.50
45	PI/2 BPSK	240	0	23.67	23.69	23.65	24.50
45	QPSK	1	1	24.17	24.14	24.12	25.00
45	QPSK	1	120	24.20	24.32	24.26	25.00
45	QPSK	1	240	24.13	24.17	24.15	25.00
45	QPSK	120	0	23.20	23.19	23.22	24.00
45	QPSK	120	60	24.24	24.26	24.27	25.00
45	QPSK	120	120	23.20	23.19	23.24	24.00
45	QPSK	240	0	23.21	23.20	23.21	24.00
45	16QAM	1	1	23.16	23.18	23.18	24.00
45	64QAM	1	1	21.61	21.62	21.67	22.50
45	256QAM	1	1	19.46	19.59	19.55	20.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	24.09	24.20	24.11	25.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	24.16	24.18	24.08	25.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	24.21	24.17	24.15	25.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	24.21	24.18	24.14	25.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	24.13	24.23	24.14	25.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	24.17	24.17	24.18	25.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	24.12	24.13	24.10	25.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.11	24.23	24.09	25.00

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	24.23	24.26	24.21	25.00
45	PI/2 BPSK	1	120	24.10	24.25	24.17	25.00
45	PI/2 BPSK	1	240	24.13	24.18	24.19	25.00
45	PI/2 BPSK	120	0	23.65	23.69	23.70	24.50
45	PI/2 BPSK	120	60	24.22	24.25	24.24	25.00
45	PI/2 BPSK	120	120	23.67	23.68	23.72	24.50
45	PI/2 BPSK	240	0	23.67	23.69	23.65	24.50
45	QPSK	1	1	24.17	24.14	24.12	25.00
45	QPSK	1	120	24.20	24.32	24.26	25.00
45	QPSK	1	240	24.13	24.17	24.15	25.00
45	QPSK	120	0	23.20	23.19	23.22	24.00
45	QPSK	120	60	24.24	24.26	24.27	25.00
45	QPSK	120	120	23.20	23.19	23.24	24.00
45	QPSK	240	0	23.21	23.20	23.21	24.00
45	16QAM	1	1	23.16	23.18	23.18	24.00
45	64QAM	1	1	21.61	21.62	21.67	22.50



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45	256QAM	1	1	19.46	19.59	19.55	20.50
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	24.09	24.20	24.11	25.00
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	24.16	24.18	24.08	25.00
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	24.21	24.17	24.15	25.00
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	24.21	24.18	24.14	25.00
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	24.13	24.23	24.14	25.00
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	24.17	24.17	24.18	25.00
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	24.12	24.13	24.10	25.00
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	24.11	24.23	24.09	25.00

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	20.18	20.17	20.13	21.70
45	PI/2 BPSK	1	120	20.22	20.37	20.23	21.70
45	PI/2 BPSK	1	240	20.19	20.26	20.36	21.70
45	PI/2 BPSK	120	0	20.30	20.31	20.27	21.70
45	PI/2 BPSK	120	60	20.32	20.36	20.30	21.70
45	PI/2 BPSK	120	120	20.34	20.34	20.28	21.70
45	PI/2 BPSK	240	0	20.33	20.34	20.26	21.70
45	QPSK	1	1	20.04	20.12	20.07	21.70
45	QPSK	1	120	20.13	20.18	20.15	21.70
45	QPSK	1	240	20.09	20.13	20.19	21.70
45	QPSK	120	0	20.33	20.28	20.31	21.70
45	QPSK	120	60	20.30	20.34	20.35	21.70
45	QPSK	120	120	20.34	20.32	20.33	21.70
45	QPSK	240	0	20.29	20.33	20.30	21.70
45	16QAM	1	1	20.33	20.41	20.35	21.70
45	64QAM	1	1	20.12	20.25	20.28	21.70
45	256QAM	1	1	19.11	19.25	19.17	20.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	20.15	20.03	20.04	21.70
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	20.06	20.11	20.00	21.70
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	20.06	20.04	20.11	21.70
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	20.07	20.06	20.00	21.70
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	20.05	20.03	20.05	21.70
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	20.07	20.11	20.05	21.70
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	20.15	20.06	20.01	21.70
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	20.08	20.04	20.12	21.70

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	20.18	20.17	20.13	20.50
45	PI/2 BPSK	1	120	20.22	20.37	20.23	20.50
45	PI/2 BPSK	1	240	20.19	20.26	20.36	20.50
45	PI/2 BPSK	120	0	20.30	20.31	20.27	20.50
45	PI/2 BPSK	120	60	20.32	20.36	20.30	20.50
45	PI/2 BPSK	120	120	20.34	20.34	20.28	20.50
45	PI/2 BPSK	240	0	20.33	20.34	20.26	20.50
45	QPSK	1	1	20.04	20.12	20.07	20.50
45	QPSK	1	120	20.13	20.18	20.15	20.50
45	QPSK	1	240	20.09	20.13	20.19	20.50
45	QPSK	120	0	20.33	20.28	20.31	20.50
45	QPSK	120	60	20.30	20.34	20.35	20.50
45	QPSK	120	120	20.34	20.32	20.33	20.50
45	QPSK	240	0	20.29	20.33	20.30	20.50
45	16QAM	1	1	20.33	20.41	20.35	20.50
45	64QAM	1	1	20.12	20.25	20.28	20.50
45	256QAM	1	1	19.11	19.25	19.17	20.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	20.15	20.03	20.04	20.50

Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	20.06	20.11	20.00	20.50
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	20.06	20.04	20.11	20.50
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	20.07	20.06	20.00	20.50
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	20.05	20.03	20.05	20.50
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	20.07	20.11	20.05	20.50
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	20.15	20.06	20.01	20.50
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	20.08	20.04	20.12	20.50

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	20.18	20.17	20.13	20.50
45	PI/2 BPSK	1	120	20.22	20.37	20.23	20.50
45	PI/2 BPSK	1	240	20.19	20.26	20.36	20.50
45	PI/2 BPSK	120	0	20.30	20.31	20.27	20.50
45	PI/2 BPSK	120	60	20.32	20.36	20.30	20.50
45	PI/2 BPSK	120	120	20.34	20.34	20.28	20.50
45	PI/2 BPSK	240	0	20.33	20.34	20.26	20.50
45	QPSK	1	1	20.04	20.12	20.07	20.50
45	QPSK	1	120	20.13	20.18	20.15	20.50
45	QPSK	1	240	20.09	20.13	20.19	20.50
45	QPSK	120	0	20.33	20.28	20.31	20.50
45	QPSK	120	60	20.30	20.34	20.35	20.50
45	QPSK	120	120	20.34	20.32	20.33	20.50
45	QPSK	240	0	20.29	20.33	20.30	20.50
45	16QAM	1	1	20.33	20.41	20.35	20.50
45	64QAM	1	1	20.12	20.25	20.28	20.50
45	256QAM	1	1	19.11	19.25	19.17	20.50
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	20.15	20.03	20.04	20.50
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	20.06	20.11	20.00	20.50
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	20.06	20.04	20.11	20.50
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	20.07	20.06	20.00	20.50
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	20.05	20.03	20.05	20.50
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	20.07	20.11	20.05	20.50
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	20.15	20.06	20.01	20.50
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	20.08	20.04	20.12	20.50

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	17.85	17.80	17.80	19.80
45	PI/2 BPSK	1	120	18.01	18.21	18.12	19.80
45	PI/2 BPSK	1	240	18.08	18.16	18.22	19.80
45	PI/2 BPSK	120	0	17.89	17.91	18.07	19.80
45	PI/2 BPSK	120	60	17.90	18.02	18.09	19.80
45	PI/2 BPSK	120	120	17.93	18.09	18.18	19.80
45	PI/2 BPSK	240	0	17.89	17.93	18.07	19.80
45	QPSK	1	1	17.81	17.85	17.82	19.80
45	QPSK	1	120	17.88	18.11	18.17	19.80
45	QPSK	1	240	18.03	18.11	18.16	19.80
45	QPSK	120	0	17.80	17.96	18.11	19.80
45	QPSK	120	60	17.93	18.04	18.15	19.80
45	QPSK	120	120	17.94	18.06	18.20	19.80
45	QPSK	240	0	17.88	17.97	18.11	19.80
45	16QAM	1	1	17.80	17.85	17.80	19.80
45	64QAM	1	1	17.86	17.89	17.95	19.80
45	256QAM	1	1	17.88	17.81	17.82	19.80
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	17.80	17.81	17.82	19.80
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	17.81	17.81	17.81	19.80
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	17.80	17.80	17.80	19.80
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	17.81	17.80	17.80	19.80
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	17.80	17.80	17.81	19.80
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	17.80	17.80	17.80	19.80
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	17.81	17.80	17.80	19.80
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	17.80	17.80	17.80	19.80

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	17.85	17.80	17.80	18.40
45	PI/2 BPSK	1	120	18.01	18.21	18.12	18.40
45	PI/2 BPSK	1	240	18.08	18.16	18.22	18.40
45	PI/2 BPSK	120	0	17.89	17.91	18.07	18.40
45	PI/2 BPSK	120	60	17.90	18.02	18.09	18.40
45	PI/2 BPSK	120	120	17.93	18.09	18.18	18.40
45	PI/2 BPSK	240	0	17.89	17.93	18.07	18.40
45	QPSK	1	1	17.81	17.85	17.82	18.40
45	QPSK	1	120	17.88	18.11	18.17	18.40
45	QPSK	1	240	18.03	18.11	18.16	18.40
45	QPSK	120	0	17.80	17.96	18.11	18.40
45	QPSK	120	60	17.93	18.04	18.15	18.40
45	QPSK	120	120	17.94	18.06	18.20	18.40
45	QPSK	240	0	17.88	17.97	18.11	18.40
45	16QAM	1	1	17.80	17.85	17.80	18.40
45	64QAM	1	1	17.86	17.89	17.95	18.40
45	256QAM	1	1	17.88	17.81	17.82	18.40
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	17.80	17.81	17.82	18.40

Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	17.81	17.81	17.81	18.40
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	17.80	17.80	17.80	18.40
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	17.81	17.80	17.80	18.40
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	17.80	17.80	17.81	18.40
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	17.80	17.80	17.80	18.40
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	17.81	17.80	17.80	18.40
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	17.80	17.80	17.80	18.40

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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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	18.91	19.00	18.97	20.20
45	PI/2 BPSK	1	120	18.90	19.22	18.97	20.20
45	PI/2 BPSK	1	240	18.90	19.20	18.95	20.20
45	PI/2 BPSK	120	0	18.89	19.11	18.96	20.20
45	PI/2 BPSK	120	60	18.91	19.20	18.97	20.20
45	PI/2 BPSK	120	120	18.90	19.23	18.97	20.20
45	PI/2 BPSK	240	0	18.87	19.06	18.96	20.20
45	QPSK	1	1	18.87	19.02	18.93	20.20
45	QPSK	1	120	18.90	19.17	18.95	20.20
45	QPSK	1	240	18.91	19.16	18.95	20.20
45	QPSK	120	0	18.91	19.11	18.96	20.20
45	QPSK	120	60	18.90	19.20	18.97	20.20
45	QPSK	120	120	18.91	19.25	18.97	20.20
45	QPSK	240	0	18.90	19.10	18.95	20.20
45	16QAM	1	1	18.91	19.04	18.94	20.20
45	64QAM	1	1	18.83	19.03	18.87	20.20
45	256QAM	1	1	18.73	18.93	18.80	20.20
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	18.81	18.97	18.93	20.20
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	18.82	18.88	18.95	20.20
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	18.74	18.98	18.88	20.20
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	18.78	18.95	18.83	20.20
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	18.77	18.85	18.84	20.20
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	18.74	18.95	18.94	20.20
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	18.71	18.86	18.88	20.20
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	18.79	18.88	18.92	20.20

【FR1 n66_Ant 5_ECI 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit
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				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.	(dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	18.01	18.04	18.03	18.30
45	PI/2 BPSK	1	120	18.21	18.27	18.30	18.30
45	PI/2 BPSK	1	240	18.30	18.21	18.22	18.30
45	PI/2 BPSK	120	0	18.00	18.15	18.28	18.30
45	PI/2 BPSK	120	60	18.11	18.27	18.30	18.30
45	PI/2 BPSK	120	120	18.13	18.28	18.29	18.30
45	PI/2 BPSK	240	0	18.11	18.15	18.28	18.30
45	QPSK	1	1	18.02	18.05	18.05	18.30
45	QPSK	1	120	18.12	18.24	18.25	18.30
45	QPSK	1	240	18.25	18.25	18.27	18.30
45	QPSK	120	0	18.09	18.20	18.23	18.30
45	QPSK	120	60	18.14	18.27	18.30	18.30
45	QPSK	120	120	18.19	18.29	18.30	18.30
45	QPSK	240	0	18.10	18.17	18.30	18.30
45	16QAM	1	1	18.05	18.08	18.09	18.30
45	64QAM	1	1	18.06	18.09	18.12	18.30
45	256QAM	1	1	18.07	18.01	18.02	18.30
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	18.12	18.11	18.12	18.30
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	18.10	18.10	18.10	18.30
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	18.10	18.12	18.10	18.30
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	18.12	18.10	18.11	18.30
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	18.10	18.10	18.10	18.30
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	18.10	18.10	18.11	18.30
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	18.10	18.12	18.10	18.30
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	18.11	18.10	18.11	18.30

【FR1 n66_Ant 5_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	18.01	18.04	18.03	18.30
45	PI/2 BPSK	1	120	18.21	18.27	18.30	18.30
45	PI/2 BPSK	1	240	18.30	18.21	18.22	18.30
45	PI/2 BPSK	120	0	18.00	18.15	18.28	18.30
45	PI/2 BPSK	120	60	18.11	18.27	18.30	18.30
45	PI/2 BPSK	120	120	18.13	18.28	18.29	18.30
45	PI/2 BPSK	240	0	18.11	18.15	18.28	18.30
45	QPSK	1	1	18.02	18.05	18.05	18.30
45	QPSK	1	120	18.12	18.24	18.25	18.30
45	QPSK	1	240	18.25	18.25	18.27	18.30
45	QPSK	120	0	18.09	18.20	18.23	18.30
45	QPSK	120	60	18.14	18.27	18.30	18.30
45	QPSK	120	120	18.19	18.29	18.30	18.30
45	QPSK	240	0	18.10	18.17	18.30	18.30
45	16QAM	1	1	18.05	18.08	18.09	18.30
45	64QAM	1	1	18.06	18.09	18.12	18.30
45	256QAM	1	1	18.07	18.01	18.02	18.30
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	18.12	18.11	18.12	18.30
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	18.10	18.10	18.10	18.30

Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	18.10	18.12	18.10	18.30
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	18.12	18.10	18.11	18.30
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	18.10	18.10	18.10	18.30
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	18.10	18.10	18.11	18.30
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	18.10	18.12	18.10	18.30
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	18.11	18.10	18.11	18.30

【FR1 n70_Ant 0_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		23.87		24.80
15	PI/2 BPSK	1	40		23.81		24.80
15	PI/2 BPSK	1	77		23.86		24.80
15	PI/2 BPSK	36	0		23.31		24.30
15	PI/2 BPSK	36	22		23.83		24.80
15	PI/2 BPSK	36	43		23.31		24.30
15	PI/2 BPSK	75	0		23.33		24.30
15	QPSK	1	1		23.75		24.80
15	QPSK	1	40		23.74		24.80
15	QPSK	1	77		23.87		24.80
15	QPSK	36	0		22.84		23.80
15	QPSK	36	22		23.84		24.80
15	QPSK	36	43		22.81		23.80
15	QPSK	75	0		22.88		23.80
15	16QAM	1	1		22.97		23.80
15	64QAM	1	1		21.46		22.30
15	256QAM	1	1		19.28		20.30
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	23.69	23.76	23.71	24.80
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	23.62	23.65	23.69	24.80

【FR1 n70_Ant 0_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		23.87		24.80
15	PI/2 BPSK	1	40		23.81		24.80
15	PI/2 BPSK	1	77		23.86		24.80
15	PI/2 BPSK	36	0		23.31		24.30
15	PI/2 BPSK	36	22		23.83		24.80
15	PI/2 BPSK	36	43		23.31		24.30
15	PI/2 BPSK	75	0		23.33		24.30
15	QPSK	1	1		23.75		24.80
15	QPSK	1	40		23.74		24.80
15	QPSK	1	77		23.87		24.80
15	QPSK	36	0		22.84		23.80
15	QPSK	36	22		23.84		24.80
15	QPSK	36	43		22.81		23.80

15	QPSK	75	0		22.88		23.80
15	16QAM	1	1		22.97		23.80
15	64QAM	1	1		21.46		22.30
15	256QAM	1	1		19.28		20.30
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	23.69	23.76	23.71	24.80
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	23.62	23.65	23.69	24.80

【FR1 n70_Ant 0_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		15.10		16.50
15	PI/2 BPSK	1	40		15.13		16.50
15	PI/2 BPSK	1	77		15.19		16.50
15	PI/2 BPSK	36	0		15.13		16.50
15	PI/2 BPSK	36	22		15.13		16.50
15	PI/2 BPSK	36	43		15.11		16.50
15	PI/2 BPSK	75	0		15.15		16.50
15	QPSK	1	1		15.05		16.50
15	QPSK	1	40		15.11		16.50
15	QPSK	1	77		15.12		16.50
15	QPSK	36	0		15.15		16.50
15	QPSK	36	22		15.15		16.50
15	QPSK	36	43		15.09		16.50
15	QPSK	75	0		15.16		16.50
15	16QAM	1	1		15.29		16.50
15	64QAM	1	1		15.29		16.50
15	256QAM	1	1		15.16		16.50
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	15.13	15.09	15.00	16.50
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	15.08	15.05	14.95	16.50

【FR1 n70_Ant 0_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		15.10		15.80
15	PI/2 BPSK	1	40		15.13		15.80
15	PI/2 BPSK	1	77		15.19		15.80
15	PI/2 BPSK	36	0		15.13		15.80
15	PI/2 BPSK	36	22		15.13		15.80
15	PI/2 BPSK	36	43		15.11		15.80
15	PI/2 BPSK	75	0		15.15		15.80
15	QPSK	1	1		15.05		15.80
15	QPSK	1	40		15.11		15.80
15	QPSK	1	77		15.12		15.80
15	QPSK	36	0		15.15		15.80
15	QPSK	36	22		15.15		15.80
15	QPSK	36	43		15.09		15.80
15	QPSK	75	0		15.16		15.80
15	16QAM	1	1		15.29		15.80
15	64QAM	1	1		15.29		15.80
15	256QAM	1	1		15.16		15.80
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	15.13	15.09	15.00	15.80
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	15.08	15.05	14.95	15.80

【FR1 n70_Ant 0_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		15.10		15.80
15	PI/2 BPSK	1	40		15.13		15.80
15	PI/2 BPSK	1	77		15.19		15.80
15	PI/2 BPSK	36	0		15.13		15.80
15	PI/2 BPSK	36	22		15.13		15.80
15	PI/2 BPSK	36	43		15.11		15.80
15	PI/2 BPSK	75	0		15.15		15.80
15	QPSK	1	1		15.05		15.80
15	QPSK	1	40		15.11		15.80
15	QPSK	1	77		15.12		15.80
15	QPSK	36	0		15.15		15.80
15	QPSK	36	22		15.15		15.80
15	QPSK	36	43		15.09		15.80
15	QPSK	75	0		15.16		15.80
15	16QAM	1	1		15.29		15.80
15	64QAM	1	1		15.29		15.80
15	256QAM	1	1		15.16		15.80
Channel				340000	340500	341000	
Frequency (MHz)				1700	1702.5	1705	Tune-up limit (dBm)
10	PI/2 BPSK	1	1	15.13	15.09	15.00	15.80
Channel				339500	340500	341500	
Frequency (MHz)				1697.5	1702.5	1707.5	Tune-up limit (dBm)
5	PI/2 BPSK	1	1	15.08	15.05	14.95	15.80

【FR1 n70_Ant 1_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		19.42		20.30
15	PI/2 BPSK	1	40		19.40		20.30
15	PI/2 BPSK	1	77		19.43		20.30
15	PI/2 BPSK	36	0		19.46		20.30
15	PI/2 BPSK	36	22		19.38		20.30
15	PI/2 BPSK	36	43		19.44		20.30
15	PI/2 BPSK	75	0		19.44		20.30
15	QPSK	1	1		19.25		20.30
15	QPSK	1	40		19.30		20.30
15	QPSK	1	77		19.37		20.30
15	QPSK	36	0		19.44		20.30
15	QPSK	36	22		19.46		20.30
15	QPSK	36	43		19.46		20.30
15	QPSK	75	0		19.48		20.30
15	16QAM	1	1		19.83		20.30
15	64QAM	1	1		19.70		20.30
15	256QAM	1	1		19.51		20.30
Channel				340000	340500	341000	
Frequency (MHz)				1700	1702.5	1705	Tune-up limit (dBm)
10	PI/2 BPSK	1	1	19.42	19.41	19.38	20.30
Channel				339500	340500	341500	
Frequency (MHz)				1697.5	1702.5	1707.5	Tune-up limit (dBm)
5	PI/2 BPSK	1	1	19.28	19.31	19.34	20.30

【FR1 n70_Ant 1_ECI 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					340500		
Frequency (MHz)					1702.5		

15	PI/2 BPSK	1	1		18.22		18.90
15	PI/2 BPSK	1	40		18.18		18.90
15	PI/2 BPSK	1	77		18.23		18.90
15	PI/2 BPSK	36	0		18.25		18.90
15	PI/2 BPSK	36	22		18.17		18.90
15	PI/2 BPSK	36	43		18.19		18.90
15	PI/2 BPSK	75	0		18.23		18.90
15	QPSK	1	1		18.11		18.90
15	QPSK	1	40		18.14		18.90
15	QPSK	1	77		18.17		18.90
15	QPSK	36	0		18.16		18.90
15	QPSK	36	22		18.13		18.90
15	QPSK	36	43		18.14		18.90
15	QPSK	75	0		18.18		18.90
15	16QAM	1	1		18.11		18.90
15	64QAM	1	1		18.05		18.90
15	256QAM	1	1		17.97		18.90
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	18.16	18.19	18.18	18.90
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	18.03	18.05	18.13	18.90

【FR1 n70_Ant 1_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		22.57		24.50
15	PI/2 BPSK	1	40		22.58		24.50
15	PI/2 BPSK	1	77		22.61		24.50
15	PI/2 BPSK	36	0		22.65		24.30
15	PI/2 BPSK	36	22		22.58		24.50
15	PI/2 BPSK	36	43		22.61		24.30
15	PI/2 BPSK	75	0		22.63		24.30
15	QPSK	1	1		22.53		24.50
15	QPSK	1	40		22.54		24.50
15	QPSK	1	77		22.56		24.50
15	QPSK	36	0		22.63		23.80
15	QPSK	36	22		22.65		24.50
15	QPSK	36	43		22.63		23.80
15	QPSK	75	0		22.62		23.80
15	16QAM	1	1		22.94		23.80
15	64QAM	1	1		21.86		22.30
15	256QAM	1	1		19.69		20.30
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	22.52	22.53	22.52	24.50
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	22.50	22.50	22.50	24.50

【FR1 n70_Ant 1_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		22.57		23.80
15	PI/2 BPSK	1	40		22.58		23.80
15	PI/2 BPSK	1	77		22.61		23.80
15	PI/2 BPSK	36	0		22.65		23.80
15	PI/2 BPSK	36	22		22.58		23.80
15	PI/2 BPSK	36	43		22.61		23.80
15	PI/2 BPSK	75	0		22.63		23.80
15	QPSK	1	1		22.53		23.80
15	QPSK	1	40		22.54		23.80
15	QPSK	1	77		22.56		23.80
15	QPSK	36	0		22.63		23.80
15	QPSK	36	22		22.65		23.80

15	QPSK	36	43		22.63		23.80
15	QPSK	75	0		22.62		23.80
15	16QAM	1	1		22.94		23.80
15	64QAM	1	1		21.86		22.30
15	256QAM	1	1		19.69		20.30
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	22.52	22.53	22.52	23.80
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	22.50	22.50	22.50	23.80

【FR1 n70_Ant 1_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		22.57		23.80
15	PI/2 BPSK	1	40		22.58		23.80
15	PI/2 BPSK	1	77		22.61		23.80
15	PI/2 BPSK	36	0		22.65		23.80
15	PI/2 BPSK	36	22		22.58		23.80
15	PI/2 BPSK	36	43		22.61		23.80
15	PI/2 BPSK	75	0		22.63		23.80
15	QPSK	1	1		22.53		23.80
15	QPSK	1	40		22.54		23.80
15	QPSK	1	77		22.56		23.80
15	QPSK	36	0		22.63		23.80
15	QPSK	36	22		22.65		23.80
15	QPSK	36	43		22.63		23.80
15	QPSK	75	0		22.62		23.80
15	16QAM	1	1		22.94		23.80
15	64QAM	1	1		21.86		22.30
15	256QAM	1	1		19.69		20.30
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	22.52	22.53	22.52	23.80
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	22.50	22.50	22.50	23.80

【FR1 n70_Ant 2_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		24.06		24.80
15	PI/2 BPSK	1	40		24.01		24.80
15	PI/2 BPSK	1	77		24.05		24.80
15	PI/2 BPSK	36	0		23.53		24.30
15	PI/2 BPSK	36	22		24.02		24.80
15	PI/2 BPSK	36	43		23.49		24.30
15	PI/2 BPSK	75	0		23.51		24.30
15	QPSK	1	1		24.01		24.80
15	QPSK	1	40		23.95		24.80
15	QPSK	1	77		24.01		24.80
15	QPSK	36	0		23.09		23.80
15	QPSK	36	22		24.04		24.80
15	QPSK	36	43		23.02		23.80
15	QPSK	75	0		23.07		23.80
15	16QAM	1	1		23.15		23.80
15	64QAM	1	1		21.70		22.30
15	256QAM	1	1		19.52		20.30
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	23.98	24.02	24.00	24.80

Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	23.91	23.93	23.98	24.80

【FR1 n70_Ant 2_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		24.06		24.80
15	PI/2 BPSK	1	40		24.01		24.80
15	PI/2 BPSK	1	77		24.05		24.80
15	PI/2 BPSK	36	0		23.53		24.30
15	PI/2 BPSK	36	22		24.02		24.80
15	PI/2 BPSK	36	43		23.49		24.30
15	PI/2 BPSK	75	0		23.51		24.30
15	QPSK	1	1		24.01		24.80
15	QPSK	1	40		23.95		24.80
15	QPSK	1	77		24.01		24.80
15	QPSK	36	0		23.09		23.80
15	QPSK	36	22		24.04		24.80
15	QPSK	36	43		23.02		23.80
15	QPSK	75	0		23.07		23.80
15	16QAM	1	1		23.15		23.80
15	64QAM	1	1		21.70		22.30
15	256QAM	1	1		19.52		20.30
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	23.98	24.02	24.00	24.80
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	23.91	23.93	23.98	24.80

【FR1 n70_Ant 2_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		20.38		21.70
15	PI/2 BPSK	1	40		20.31		21.70
15	PI/2 BPSK	1	77		20.33		21.70
15	PI/2 BPSK	36	0		20.41		21.70
15	PI/2 BPSK	36	22		20.32		21.70
15	PI/2 BPSK	36	43		20.34		21.70
15	PI/2 BPSK	75	0		20.38		21.70
15	QPSK	1	1		20.37		21.70
15	QPSK	1	40		20.36		21.70
15	QPSK	1	77		20.51		21.70
15	QPSK	36	0		20.43		21.70
15	QPSK	36	22		20.37		21.70
15	QPSK	36	43		20.37		21.70
15	QPSK	75	0		20.42		21.70
15	16QAM	1	1		20.69		21.70
15	64QAM	1	1		20.66		21.70
15	256QAM	1	1		19.16		20.30
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	20.47	20.33	20.46	21.70
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	20.33	20.28	20.36	21.70

【FR1 n70_Ant 2_ECI 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					340500		

Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		20.38		20.80
15	PI/2 BPSK	1	40		20.31		20.80
15	PI/2 BPSK	1	77		20.33		20.80
15	PI/2 BPSK	36	0		20.41		20.80
15	PI/2 BPSK	36	22		20.32		20.80
15	PI/2 BPSK	36	43		20.34		20.80
15	PI/2 BPSK	75	0		20.38		20.80
15	QPSK	1	1		20.37		20.80
15	QPSK	1	40		20.36		20.80
15	QPSK	1	77		20.51		20.80
15	QPSK	36	0		20.43		20.80
15	QPSK	36	22		20.37		20.80
15	QPSK	36	43		20.37		20.80
15	QPSK	75	0		20.42		20.80
15	16QAM	1	1		20.69		20.80
15	64QAM	1	1		20.66		20.80
15	256QAM	1	1		19.16		20.30
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	20.47	20.33	20.46	20.80
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	20.33	20.28	20.36	20.80

【FR1 n70_Ant 2_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		20.38		20.80
15	PI/2 BPSK	1	40		20.31		20.80
15	PI/2 BPSK	1	77		20.33		20.80
15	PI/2 BPSK	36	0		20.41		20.80
15	PI/2 BPSK	36	22		20.32		20.80
15	PI/2 BPSK	36	43		20.34		20.80
15	PI/2 BPSK	75	0		20.38		20.80
15	QPSK	1	1		20.37		20.80
15	QPSK	1	40		20.36		20.80
15	QPSK	1	77		20.51		20.80
15	QPSK	36	0		20.43		20.80
15	QPSK	36	22		20.37		20.80
15	QPSK	36	43		20.37		20.80
15	QPSK	75	0		20.42		20.80
15	16QAM	1	1		20.69		20.80
15	64QAM	1	1		20.66		20.80
15	256QAM	1	1		19.16		20.30
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	20.47	20.33	20.46	20.80
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	20.33	20.28	20.36	20.80

【FR1 n70_Ant 5_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		17.73		19.70
15	PI/2 BPSK	1	40		17.72		19.70
15	PI/2 BPSK	1	77		17.82		19.70
15	PI/2 BPSK	36	0		17.80		19.70
15	PI/2 BPSK	36	22		17.71		19.70
15	PI/2 BPSK	36	43		17.70		19.70
15	PI/2 BPSK	75	0		17.71		19.70

15	QPSK	1	1		17.70		19.70
15	QPSK	1	40		17.74		19.70
15	QPSK	1	77		17.77		19.70
15	QPSK	36	0		17.80		19.70
15	QPSK	36	22		17.71		19.70
15	QPSK	36	43		17.71		19.70
15	QPSK	75	0		17.77		19.70
15	16QAM	1	1		18.15		19.70
15	64QAM	1	1		18.13		19.70
15	256QAM	1	1		17.88		19.70
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	17.74	17.76	17.72	19.70
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	17.70	17.73	17.70	19.70

【FR1 n70_Ant 5_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		17.73		19.00
15	PI/2 BPSK	1	40		17.72		19.00
15	PI/2 BPSK	1	77		17.82		19.00
15	PI/2 BPSK	36	0		17.80		19.00
15	PI/2 BPSK	36	22		17.71		19.00
15	PI/2 BPSK	36	43		17.70		19.00
15	PI/2 BPSK	75	0		17.71		19.00
15	QPSK	1	1		17.70		19.00
15	QPSK	1	40		17.74		19.00
15	QPSK	1	77		17.77		19.00
15	QPSK	36	0		17.80		19.00
15	QPSK	36	22		17.71		19.00
15	QPSK	36	43		17.71		19.00
15	QPSK	75	0		17.77		19.00
15	16QAM	1	1		18.15		19.00
15	64QAM	1	1		18.13		19.00
15	256QAM	1	1		17.88		19.00
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	17.74	17.76	17.72	19.00
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	17.70	17.73	17.70	19.00

【FR1 n70_Ant 5_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		17.95		19.90
15	PI/2 BPSK	1	40		17.91		19.90
15	PI/2 BPSK	1	77		17.94		19.90
15	PI/2 BPSK	36	0		18.02		19.90
15	PI/2 BPSK	36	22		17.95		19.90
15	PI/2 BPSK	36	43		17.92		19.90
15	PI/2 BPSK	75	0		17.92		19.90
15	QPSK	1	1		17.92		19.90
15	QPSK	1	40		17.92		19.90
15	QPSK	1	77		17.91		19.90
15	QPSK	36	0		17.98		19.90
15	QPSK	36	22		17.94		19.90
15	QPSK	36	43		17.93		19.90
15	QPSK	75	0		17.97		19.90
15	16QAM	1	1		18.26		19.90
15	64QAM	1	1		18.23		19.90
15	256QAM	1	1		18.07		19.90
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	

10	PI/2 BPSK	1	1	17.99	17.96	17.92	19.90
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	17.93	17.95	17.90	19.90

【FR1 n70_Ant 5_ECI 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					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		17.95		18.50
15	PI/2 BPSK	1	40		17.91		18.50
15	PI/2 BPSK	1	77		17.94		18.50
15	PI/2 BPSK	36	0		18.02		18.50
15	PI/2 BPSK	36	22		17.95		18.50
15	PI/2 BPSK	36	43		17.92		18.50
15	PI/2 BPSK	75	0		17.92		18.50
15	QPSK	1	1		17.92		18.50
15	QPSK	1	40		17.92		18.50
15	QPSK	1	77		17.91		18.50
15	QPSK	36	0		17.98		18.50
15	QPSK	36	22		17.94		18.50
15	QPSK	36	43		17.93		18.50
15	QPSK	75	0		17.97		18.50
15	16QAM	1	1		18.26		18.50
15	64QAM	1	1		18.23		18.50
15	256QAM	1	1		18.07		18.50
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	17.99	17.96	17.92	18.50
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	17.93	17.95	17.90	18.50

【FR1 n70_Ant 5_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		17.95		18.50
15	PI/2 BPSK	1	40		17.91		18.50
15	PI/2 BPSK	1	77		17.94		18.50
15	PI/2 BPSK	36	0		18.02		18.50
15	PI/2 BPSK	36	22		17.95		18.50
15	PI/2 BPSK	36	43		17.92		18.50
15	PI/2 BPSK	75	0		17.92		18.50
15	QPSK	1	1		17.92		18.50
15	QPSK	1	40		17.92		18.50
15	QPSK	1	77		17.91		18.50
15	QPSK	36	0		17.98		18.50
15	QPSK	36	22		17.94		18.50
15	QPSK	36	43		17.93		18.50
15	QPSK	75	0		17.97		18.50
15	16QAM	1	1		18.26		18.50
15	64QAM	1	1		18.23		18.50
15	256QAM	1	1		18.07		18.50
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	17.99	17.96	17.92	18.50
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	17.93	17.95	17.90	18.50

【FR1 n71_Ant 0_ECI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		24.76		25.10
35	PI/2 BPSK	1	90		24.72		25.10
35	PI/2 BPSK	1	186		24.62		25.10
35	PI/2 BPSK	90	0		24.30		24.60
35	PI/2 BPSK	90	45		24.77		25.10
35	PI/2 BPSK	90	90		24.20		24.60
35	PI/2 BPSK	180	0		24.32		24.60
35	QPSK	1	1		24.69		25.10
35	QPSK	1	90		24.74		25.10
35	QPSK	1	186		24.59		25.10
35	QPSK	90	0		23.80		24.10
35	QPSK	90	45		24.78		25.10
35	QPSK	90	90		23.73		24.10
35	QPSK	180	0		23.79		24.10
35	16QAM	1	1		23.91		24.10
35	64QAM	1	1		22.35		22.60
35	256QAM	1	1		20.08		20.60
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	24.74	24.72	24.73	25.10
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	24.63	24.62	24.63	25.10
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	24.67	24.60	24.71	25.10
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	24.69	24.70	24.70	25.10
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	24.63	24.70	24.68	25.10
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	24.72	24.70	24.66	25.10

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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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		24.76		25.10
35	PI/2 BPSK	1	90		24.72		25.10
35	PI/2 BPSK	1	186		24.62		25.10
35	PI/2 BPSK	90	0		24.30		24.60
35	PI/2 BPSK	90	45		24.77		25.10
35	PI/2 BPSK	90	90		24.20		24.60
35	PI/2 BPSK	180	0		24.32		24.60
35	QPSK	1	1		24.69		25.10
35	QPSK	1	90		24.74		25.10
35	QPSK	1	186		24.59		25.10
35	QPSK	90	0		23.80		24.10
35	QPSK	90	45		24.78		25.10
35	QPSK	90	90		23.73		24.10
35	QPSK	180	0		23.79		24.10
35	16QAM	1	1		23.91		24.10
35	64QAM	1	1		22.35		22.60
35	256QAM	1	1		20.08		20.60
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	24.74	24.72	24.73	25.10
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	24.63	24.62	24.63	25.10
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	24.67	24.60	24.71	25.10
Channel				134100	136100	138100	Tune-up limit

Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	24.69	24.70	24.70	25.10
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	24.63	24.70	24.68	25.10
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	24.72	24.70	24.66	25.10

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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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		24.76		25.10
35	PI/2 BPSK	1	90		24.72		25.10
35	PI/2 BPSK	1	186		24.62		25.10
35	PI/2 BPSK	90	0		24.30		24.60
35	PI/2 BPSK	90	45		24.77		25.10
35	PI/2 BPSK	90	90		24.20		24.60
35	PI/2 BPSK	180	0		24.32		24.60
35	QPSK	1	1		24.69		25.10
35	QPSK	1	90		24.74		25.10
35	QPSK	1	186		24.59		25.10
35	QPSK	90	0		23.80		24.10
35	QPSK	90	45		24.78		25.10
35	QPSK	90	90		23.73		24.10
35	QPSK	180	0		23.79		24.10
35	16QAM	1	1		23.91		24.10
35	64QAM	1	1		22.35		22.60
35	256QAM	1	1		20.08		20.60
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	24.74	24.72	24.73	25.10
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	24.63	24.62	24.63	25.10
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	24.67	24.60	24.71	25.10
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	24.69	24.70	24.70	25.10
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	24.63	24.70	24.68	25.10
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	24.72	24.70	24.66	25.10

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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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		22.04		22.90
35	PI/2 BPSK	1	90		21.99		22.90
35	PI/2 BPSK	1	186		21.96		22.90
35	PI/2 BPSK	90	0		22.09		22.90
35	PI/2 BPSK	90	45		22.08		22.90
35	PI/2 BPSK	90	90		21.98		22.90
35	PI/2 BPSK	180	0		22.04		22.90
35	QPSK	1	1		21.94		22.90
35	QPSK	1	90		21.99		22.90
35	QPSK	1	186		21.87		22.90
35	QPSK	90	0		22.12		22.90
35	QPSK	90	45		22.07		22.90
35	QPSK	90	90		22.03		22.90
35	QPSK	180	0		22.06		22.90
35	16QAM	1	1		22.21		22.90

35	64QAM	1	1		22.02		22.60
35	256QAM	1	1		19.80		20.60
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	21.98	22.01	21.97	22.90
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	21.91	21.94	21.85	22.90
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	21.88	21.94	21.91	22.90
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	21.90	21.91	21.91	22.90
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	21.94	21.94	21.87	22.90
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	21.83	21.98	21.86	22.90

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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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		22.04		22.90
35	PI/2 BPSK	1	90		21.99		22.90
35	PI/2 BPSK	1	186		21.96		22.90
35	PI/2 BPSK	90	0		22.09		22.90
35	PI/2 BPSK	90	45		22.08		22.90
35	PI/2 BPSK	90	90		21.98		22.90
35	PI/2 BPSK	180	0		22.04		22.90
35	QPSK	1	1		21.94		22.90
35	QPSK	1	90		21.99		22.90
35	QPSK	1	186		21.87		22.90
35	QPSK	90	0		22.12		22.90
35	QPSK	90	45		22.07		22.90
35	QPSK	90	90		22.03		22.90
35	QPSK	180	0		22.06		22.90
35	16QAM	1	1		22.21		22.90
35	64QAM	1	1		22.02		22.60
35	256QAM	1	1		19.80		20.60
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	21.98	22.01	21.97	22.90
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	21.91	21.94	21.85	22.90
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	21.88	21.94	21.91	22.90
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	21.90	21.91	21.91	22.90
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	21.94	21.94	21.87	22.90
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	21.83	21.98	21.86	22.90

【FR1 n71_Ant 1_ECI 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					136100		

Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		22.60		24.50
35	PI/2 BPSK	1	90		22.93		24.50
35	PI/2 BPSK	1	186		23.17		24.50
35	PI/2 BPSK	90	0		22.50		24.50
35	PI/2 BPSK	90	45		23.10		24.50
35	PI/2 BPSK	90	90		22.84		24.50
35	PI/2 BPSK	180	0		22.97		24.50
35	QPSK	1	1		22.50		24.50
35	QPSK	1	90		22.90		24.50
35	QPSK	1	186		23.08		24.50
35	QPSK	90	0		22.74		24.10
35	QPSK	90	45		22.98		24.50
35	QPSK	90	90		23.12		24.10
35	QPSK	180	0		22.93		24.10
35	16QAM	1	1		22.58		24.10
35	64QAM	1	1		21.48		22.60
35	256QAM	1	1		19.21		20.60
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	22.54	22.58	22.50	24.50
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	22.52	22.50	22.50	24.50
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	22.52	22.50	22.50	24.50
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	22.50	22.55	22.50	24.50
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	22.51	22.52	22.50	24.50
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	22.51	22.56	22.51	24.50

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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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		22.60		23.70
35	PI/2 BPSK	1	90		22.93		23.70
35	PI/2 BPSK	1	186		23.17		23.70
35	PI/2 BPSK	90	0		22.50		23.70
35	PI/2 BPSK	90	45		23.10		23.70
35	PI/2 BPSK	90	90		22.84		23.70
35	PI/2 BPSK	180	0		22.97		23.70
35	QPSK	1	1		22.50		23.70
35	QPSK	1	90		22.90		23.70
35	QPSK	1	186		23.08		23.70
35	QPSK	90	0		22.74		23.70
35	QPSK	90	45		22.98		23.70
35	QPSK	90	90		23.12		23.70
35	QPSK	180	0		22.93		23.70
35	16QAM	1	1		22.58		23.70
35	64QAM	1	1		21.48		22.60
35	256QAM	1	1		19.21		20.60
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	22.54	22.58	22.50	23.70
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	22.52	22.50	22.50	23.70
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	22.52	22.50	22.50	23.70
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	22.50	22.55	22.50	23.70
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	22.51	22.52	22.50	23.70

Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	22.51	22.56	22.51	23.70

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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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		24.06		25.10
35	PI/2 BPSK	1	90		24.40		25.10
35	PI/2 BPSK	1	186		24.59		25.10
35	PI/2 BPSK	90	0		23.53		24.60
35	PI/2 BPSK	90	45		24.58		25.10
35	PI/2 BPSK	90	90		23.69		24.60
35	PI/2 BPSK	180	0		23.87		24.60
35	QPSK	1	1		24.02		25.10
35	QPSK	1	90		24.37		25.10
35	QPSK	1	186		24.48		25.10
35	QPSK	90	0		23.26		24.10
35	QPSK	90	45		24.47		25.10
35	QPSK	90	90		23.45		24.10
35	QPSK	180	0		23.45		24.10
35	16QAM	1	1		23.17		24.10
35	64QAM	1	1		21.46		22.60
35	256QAM	1	1		19.21		20.60
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.98	24.00	24.02	25.10
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.91	23.86	23.89	25.10
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	23.97	23.85	23.94	25.10
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.83	23.85	23.99	25.10
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.90	23.89	23.88	25.10
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.96	23.97	23.94	25.10

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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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		24.06		24.80
35	PI/2 BPSK	1	90		24.40		24.80
35	PI/2 BPSK	1	186		24.59		24.80
35	PI/2 BPSK	90	0		23.53		24.60
35	PI/2 BPSK	90	45		24.58		24.80
35	PI/2 BPSK	90	90		23.69		24.60
35	PI/2 BPSK	180	0		23.87		24.60
35	QPSK	1	1		24.02		24.80
35	QPSK	1	90		24.37		24.80
35	QPSK	1	186		24.48		24.80
35	QPSK	90	0		23.26		24.10
35	QPSK	90	45		24.47		24.80
35	QPSK	90	90		23.45		24.10
35	QPSK	180	0		23.45		24.10
35	16QAM	1	1		23.17		24.10
35	64QAM	1	1		21.46		22.60
35	256QAM	1	1		19.21		20.60
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.98	24.00	24.02	24.80

Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.91	23.86	23.89	24.80
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	23.97	23.85	23.94	24.80
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.83	23.85	23.99	24.80
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.90	23.89	23.88	24.80
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.96	23.97	23.94	24.80

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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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		24.06		24.80
35	PI/2 BPSK	1	90		24.40		24.80
35	PI/2 BPSK	1	186		24.59		24.80
35	PI/2 BPSK	90	0		23.53		24.60
35	PI/2 BPSK	90	45		24.58		24.80
35	PI/2 BPSK	90	90		23.69		24.60
35	PI/2 BPSK	180	0		23.87		24.60
35	QPSK	1	1		24.02		24.80
35	QPSK	1	90		24.37		24.80
35	QPSK	1	186		24.48		24.80
35	QPSK	90	0		23.26		24.10
35	QPSK	90	45		24.47		24.80
35	QPSK	90	90		23.45		24.10
35	QPSK	180	0		23.45		24.10
35	16QAM	1	1		23.17		24.10
35	64QAM	1	1		21.46		22.60
35	256QAM	1	1		19.21		20.60
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.98	24.00	24.02	24.80
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.91	23.86	23.89	24.80
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	23.97	23.85	23.94	24.80
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.83	23.85	23.99	24.80
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.90	23.89	23.88	24.80
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.96	23.97	23.94	24.80

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_Ant 1_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.42		16.00



100	PI/2 BPSK	1	137		14.48		16.00
100	PI/2 BPSK	1	271		14.42		16.00
100	PI/2 BPSK	135	0		14.46		16.00
100	PI/2 BPSK	135	69		14.40		16.00
100	PI/2 BPSK	135	138		14.41		16.00
100	PI/2 BPSK	270	0		14.43		16.00
100	QPSK	1	1		14.36		16.00
100	QPSK	1	137		14.45		16.00
100	QPSK	1	271		14.38		16.00
100	QPSK	135	0		14.45		16.00
100	QPSK	135	69		14.42		16.00
100	QPSK	135	138		14.45		16.00
100	QPSK	270	0		14.43		16.00
100	16QAM	1	1		14.60		16.00
100	64QAM	1	1		14.40		16.00
100	256QAM	1	1		14.74		16.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.39	14.40	14.40	16.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.27	14.36	14.36	16.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.33	14.26	14.31	16.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.32	14.38	14.27	16.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.26	14.31	14.26	16.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.36	14.32	14.37	16.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.33	14.32	14.28	16.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.25	14.37	14.31	16.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.24	14.29	14.32	16.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.36	14.29	14.28	16.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.36	14.30	14.25	16.00

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_Ant 1_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.49	14.31	14.14	16.00
100	PI/2 BPSK	1	137	14.24	14.19	14.02	16.00
100	PI/2 BPSK	1	271	14.10	14.06	14.01	16.00
100	PI/2 BPSK	135	0	14.12	14.01	14.15	16.00
100	PI/2 BPSK	135	69	14.15	14.00	14.06	16.00
100	PI/2 BPSK	135	138	14.11	14.00	14.03	16.00
100	PI/2 BPSK	270	0	14.28	14.18	14.04	16.00
100	QPSK	1	1	14.45	14.28	14.10	16.00
100	QPSK	1	137	14.25	14.15	14.01	16.00
100	QPSK	1	271	14.18	14.02	14.03	16.00
100	QPSK	135	0	14.41	14.26	14.02	16.00
100	QPSK	135	69	14.23	14.07	14.07	16.00
100	QPSK	135	138	14.10	14.07	14.08	16.00
100	QPSK	270	0	14.30	14.18	14.07	16.00
100	16QAM	1	1	14.71	14.52	14.32	16.00
100	64QAM	1	1	14.46	14.25	14.03	16.00
100	256QAM	1	1	14.82	14.61	14.37	16.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)

90	PI/2 BPSK	1	1	14.37	14.29	14.01	16.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	14.46	14.21	14.08	16.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	14.46	14.27	14.09	16.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	14.45	14.19	14.04	16.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	14.42	14.26	14.08	16.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	14.42	14.19	14.05	16.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	14.40	14.17	14.01	16.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	14.38	14.18	14.05	16.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	14.40	14.25	14.02	16.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	14.47	14.29	14.02	16.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	14.44	14.27	14.05	16.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 1_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.42		15.20
100	PI/2 BPSK	1	137		14.48		15.20
100	PI/2 BPSK	1	271		14.42		15.20
100	PI/2 BPSK	135	0		14.46		15.20
100	PI/2 BPSK	135	69		14.40		15.20
100	PI/2 BPSK	135	138		14.41		15.20
100	PI/2 BPSK	270	0		14.43		15.20
100	QPSK	1	1		14.36		15.20
100	QPSK	1	137		14.45		15.20
100	QPSK	1	271		14.38		15.20
100	QPSK	135	0		14.45		15.20
100	QPSK	135	69		14.42		15.20
100	QPSK	135	138		14.45		15.20
100	QPSK	270	0		14.43		15.20
100	16QAM	1	1		14.60		15.20
100	64QAM	1	1		14.40		15.20
100	256QAM	1	1		14.74		15.20
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.39	14.40	14.40	15.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.27	14.36	14.36	15.20
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.33	14.26	14.31	15.20
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.32	14.38	14.27	15.20
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.26	14.31	14.26	15.20
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.36	14.32	14.37	15.20
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)

30	PI/2 BPSK	1	1	14.33	14.32	14.28	15.20
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.25	14.37	14.31	15.20
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.24	14.29	14.32	15.20
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.36	14.29	14.28	15.20
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.36	14.30	14.25	15.20

【FR1 n77 (270) FCC_Part 270 (3700~3980MHz)_Ant 1_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.49	14.31	14.14	15.20
100	PI/2 BPSK	1	137	14.24	14.19	14.02	15.20
100	PI/2 BPSK	1	271	14.10	14.06	14.01	15.20
100	PI/2 BPSK	135	0	14.12	14.01	14.15	15.20
100	PI/2 BPSK	135	69	14.15	14.00	14.06	15.20
100	PI/2 BPSK	135	138	14.11	14.00	14.03	15.20
100	PI/2 BPSK	270	0	14.28	14.18	14.04	15.20
100	QPSK	1	1	14.45	14.28	14.10	15.20
100	QPSK	1	137	14.25	14.15	14.01	15.20
100	QPSK	1	271	14.18	14.02	14.03	15.20
100	QPSK	135	0	14.41	14.26	14.02	15.20
100	QPSK	135	69	14.23	14.07	14.07	15.20
100	QPSK	135	138	14.10	14.07	14.08	15.20
100	QPSK	270	0	14.30	14.18	14.07	15.20
100	16QAM	1	1	14.71	14.52	14.32	15.20
100	64QAM	1	1	14.46	14.25	14.03	15.20
100	256QAM	1	1	14.82	14.61	14.37	15.20
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	14.37	14.29	14.01	15.20
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	14.46	14.21	14.08	15.20
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	14.46	14.27	14.09	15.20
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	14.45	14.19	14.04	15.20
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	14.42	14.26	14.08	15.20
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	14.42	14.19	14.05	15.20
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	14.40	14.17	14.01	15.20
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	14.38	14.18	14.05	15.20
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	14.40	14.25	14.02	15.20
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	14.47	14.29	14.02	15.20
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	14.44	14.27	14.05	15.20

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_Ant 1_ECI 6】

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		13.55		14.40
100	PI/2 BPSK	1	137		13.59		14.40
100	PI/2 BPSK	1	271		13.55		14.40
100	PI/2 BPSK	135	0		13.57		14.40
100	PI/2 BPSK	135	69		13.53		14.40
100	PI/2 BPSK	135	138		13.60		14.40
100	PI/2 BPSK	270	0		13.50		14.40
100	QPSK	1	1		13.46		14.40
100	QPSK	1	137		13.59		14.40
100	QPSK	1	271		13.51		14.40
100	QPSK	135	0		13.58		14.40
100	QPSK	135	69		13.54		14.40
100	QPSK	135	138		13.58		14.40
100	QPSK	270	0		13.59		14.40
100	16QAM	1	1		13.76		14.40
100	64QAM	1	1		13.56		14.40
100	256QAM	1	1		13.74		14.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	13.58	13.54	13.54	14.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.52	13.50	13.49	14.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.39	13.46	13.45	14.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.49	13.47	13.41	14.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	13.42	13.37	13.50	14.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.54	13.58	13.40	14.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.49	13.40	13.37	14.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	13.37	13.47	13.51	14.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.48	13.53	13.36	14.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	13.45	13.44	13.51	14.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.58	13.47	13.40	14.40

【FR1 n77 (270) _ FCC_Part 270 (3700~3980MHz)_Ant 1_ECI 6】

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	13.77	13.62	13.54	14.40
100	PI/2 BPSK	1	137	13.70	13.58	13.51	14.40
100	PI/2 BPSK	1	271	13.58	13.63	13.42	14.40
100	PI/2 BPSK	135	0	13.64	13.64	13.50	14.40
100	PI/2 BPSK	135	69	13.66	13.53	13.45	14.40
100	PI/2 BPSK	135	138	13.56	13.53	13.45	14.40
100	PI/2 BPSK	270	0	13.57	13.68	13.50	14.40
100	QPSK	1	1	13.68	13.64	13.56	14.40
100	QPSK	1	137	13.61	13.63	13.52	14.40
100	QPSK	1	271	13.67	13.54	13.48	14.40
100	QPSK	135	0	13.69	13.68	13.42	14.40
100	QPSK	135	69	13.62	13.61	13.44	14.40
100	QPSK	135	138	13.73	13.58	13.42	14.40

100	QPSK	270	0	13.68	13.65	13.52	14.40
100	16QAM	1	1	13.73	13.79	13.60	14.40
100	64QAM	1	1	13.61	13.64	13.39	14.40
100	256QAM	1	1	13.69	13.83	13.54	14.40
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	13.61	13.52	13.47	14.40
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	13.62	13.56	13.52	14.40
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	13.64	13.67	13.49	14.40
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	13.61	13.64	13.48	14.40
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	13.64	13.60	13.48	14.40
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	13.76	13.58	13.45	14.40
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	13.66	13.49	13.46	14.40
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	13.75	13.61	13.44	14.40
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	13.63	13.59	13.62	14.40
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	13.69	13.68	13.51	14.40
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	13.66	13.55	13.40	14.40

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 1_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.58		16.30
100	PI/2 BPSK	1	137		14.65		16.30
100	PI/2 BPSK	1	271		14.61		16.30
100	PI/2 BPSK	135	0		14.62		16.30
100	PI/2 BPSK	135	69		14.60		16.30
100	PI/2 BPSK	135	138		14.61		16.30
100	PI/2 BPSK	270	0		14.59		16.30
100	QPSK	1	1		14.55		16.30
100	QPSK	1	137		14.64		16.30
100	QPSK	1	271		14.57		16.30
100	QPSK	135	0		14.64		16.30
100	QPSK	135	69		14.62		16.30
100	QPSK	135	138		14.65		16.30
100	QPSK	270	0		14.63		16.30
100	16QAM	1	1		14.80		16.30
100	64QAM	1	1		14.58		16.30
100	256QAM	1	1		14.82		16.30
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.60	14.61	14.59	16.30
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.57	14.54	14.49	16.30
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.49	14.47	14.48	16.30
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.57	14.47	14.48	16.30
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)

50	PI/2 BPSK	1	1	14.48	14.47	14.55	16.30
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.58	14.58	14.50	16.30
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.54	14.48	14.47	16.30
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.47	14.51	14.52	16.30
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.49	14.60	14.46	16.30
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.48	14.51	14.51	16.30
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.58	14.52	14.50	16.30

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_Ant 1_ECI 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				650000	656000	662000	Tune-up limit
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.80	14.69	14.63	16.30
100	PI/2 BPSK	1	137	14.73	14.68	14.60	16.30
100	PI/2 BPSK	1	271	14.61	14.64	14.51	16.30
100	PI/2 BPSK	135	0	14.67	14.69	14.51	16.30
100	PI/2 BPSK	135	69	14.67	14.61	14.48	16.30
100	PI/2 BPSK	135	138	14.60	14.63	14.49	16.30
100	PI/2 BPSK	270	0	14.67	14.68	14.54	16.30
100	QPSK	1	1	14.72	14.65	14.58	16.30
100	QPSK	1	137	14.64	14.65	14.56	16.30
100	QPSK	1	271	14.72	14.62	14.53	16.30
100	QPSK	135	0	14.74	14.71	14.52	16.30
100	QPSK	135	69	14.70	14.64	14.52	16.30
100	QPSK	135	138	14.74	14.65	14.52	16.30
100	QPSK	270	0	14.69	14.69	14.52	16.30
100	16QAM	1	1	14.79	14.80	14.63	16.30
100	64QAM	1	1	14.65	14.64	14.46	16.30
100	256QAM	1	1	14.79	14.89	14.63	16.30
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	14.66	14.62	14.53	16.30
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	14.70	14.57	14.54	16.30
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	14.70	14.67	14.58	16.30
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	14.71	14.64	14.48	16.30
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	14.74	14.66	14.51	16.30
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	14.77	14.60	14.48	16.30
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	14.71	14.56	14.52	16.30
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	14.77	14.62	14.53	16.30
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	14.71	14.68	14.62	16.30
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	14.75	14.68	14.51	16.30
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)

10	PI/2 BPSK	1	1	14.75	14.63	14.48	16.30
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【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 1_ECI 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				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
100	PI/2 BPSK	1	1	13.58	13.54	13.54	14.40
100	PI/2 BPSK	1	137	13.58	13.59		14.40
100	PI/2 BPSK	1	271	13.55	13.55		14.40
100	PI/2 BPSK	135	0	13.57	13.57		14.40
100	PI/2 BPSK	135	69	13.53	13.53		14.40
100	PI/2 BPSK	135	138	13.60	13.60		14.40
100	PI/2 BPSK	270	0	13.50	13.50		14.40
100	QPSK	1	1	13.46	13.46		14.40
100	QPSK	1	137	13.59	13.59		14.40
100	QPSK	1	271	13.51	13.51		14.40
100	QPSK	135	0	13.58	13.58		14.40
100	QPSK	135	69	13.54	13.54		14.40
100	QPSK	135	138	13.58	13.58		14.40
100	QPSK	270	0	13.59	13.59		14.40
100	16QAM	1	1	13.76	13.76		14.40
100	64QAM	1	1	13.56	13.56		14.40
100	256QAM	1	1	13.74	13.74		14.40
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.58	13.54	13.54	14.40
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.52	13.50	13.49	14.40
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.39	13.46	13.45	14.40
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.49	13.47	13.41	14.40
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.42	13.37	13.50	14.40
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.54	13.58	13.40	14.40
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.49	13.40	13.37	14.40
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	13.37	13.47	13.51	14.40
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.48	13.53	13.36	14.40
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.45	13.44	13.51	14.40
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.58	13.47	13.40	14.40

【FR1 n77 (27O) _FCC_Part 27O (3700~3980MHz)_Ant 1_ECI 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				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.77	13.62	13.54	14.40
100	PI/2 BPSK	1	137	13.70	13.58	13.51	14.40
100	PI/2 BPSK	1	271	13.58	13.63	13.42	14.40
100	PI/2 BPSK	135	0	13.64	13.64	13.50	14.40
100	PI/2 BPSK	135	69	13.66	13.53	13.45	14.40
100	PI/2 BPSK	135	138	13.56	13.53	13.45	14.40
100	PI/2 BPSK	270	0	13.57	13.68	13.50	14.40

100	QPSK	1	1	13.68	13.64	13.56	14.40
100	QPSK	1	137	13.61	13.63	13.52	14.40
100	QPSK	1	271	13.67	13.54	13.48	14.40
100	QPSK	135	0	13.69	13.68	13.42	14.40
100	QPSK	135	69	13.62	13.61	13.44	14.40
100	QPSK	135	138	13.73	13.58	13.42	14.40
100	QPSK	270	0	13.68	13.65	13.52	14.40
100	16QAM	1	1	13.73	13.79	13.60	14.40
100	64QAM	1	1	13.61	13.64	13.39	14.40
100	256QAM	1	1	13.69	13.83	13.54	14.40
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	13.61	13.52	13.47	14.40
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	13.62	13.56	13.52	14.40
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	13.64	13.67	13.49	14.40
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	13.61	13.64	13.48	14.40
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	13.64	13.60	13.48	14.40
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	13.76	13.58	13.45	14.40
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	13.66	13.49	13.46	14.40
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	13.75	13.61	13.44	14.40
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	13.63	13.59	13.62	14.40
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	13.69	13.68	13.51	14.40
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	13.66	13.55	13.40	14.40

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 1_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.67		19.00
100	PI/2 BPSK	1	137		17.59		19.00
100	PI/2 BPSK	1	271		17.65		19.00
100	PI/2 BPSK	135	0		17.66		19.00
100	PI/2 BPSK	135	69		17.59		19.00
100	PI/2 BPSK	135	138		17.59		19.00
100	PI/2 BPSK	270	0		17.59		19.00
100	QPSK	1	1		17.64		19.00
100	QPSK	1	137		17.66		19.00
100	QPSK	1	271		17.62		19.00
100	QPSK	135	0		17.58		19.00
100	QPSK	135	69		17.59		19.00
100	QPSK	135	138		17.60		19.00
100	QPSK	270	0		17.64		19.00
100	16QAM	1	1		17.67		19.00
100	64QAM	1	1		17.67		19.00
100	256QAM	1	1		17.63		19.00
Channel				633000	633332	633666	Tune-up limit

	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.59	17.62	17.58	19.00
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.48	17.51	17.54	19.00
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.50	17.52	17.51	19.00
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.47	17.52	17.52	19.00
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.52	17.52	17.46	19.00
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.48	17.49	17.47	19.00
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.49	17.52	17.55	19.00
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.57	17.49	17.56	19.00
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.48	17.53	17.44	19.00
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.56	17.51	17.46	19.00
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.58	17.56	17.45	19.00

【FR1 n77 (270) FCC_Part 270 (3700~3980MHz)_HPUE_Ant 1_ECI 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			650000	656000	662000	
	Frequency (MHz)			3750	3840	3930	
100	PI/2 BPSK	1	1	17.84	17.86	17.82	19.00
100	PI/2 BPSK	1	137	17.77	17.83	17.68	19.00
100	PI/2 BPSK	1	271	17.77	17.82	17.65	19.00
100	PI/2 BPSK	135	0	17.68	17.84	17.69	19.00
100	PI/2 BPSK	135	69	17.80	17.83	17.66	19.00
100	PI/2 BPSK	135	138	17.66	17.82	17.72	19.00
100	PI/2 BPSK	270	0	17.81	17.86	17.72	19.00
100	QPSK	1	1	17.72	17.84	17.77	19.00
100	QPSK	1	137	17.72	17.77	17.59	19.00
100	QPSK	1	271	17.73	17.80	17.65	19.00
100	QPSK	135	0	17.68	17.83	17.64	19.00
100	QPSK	135	69	17.73	17.80	17.67	19.00
100	QPSK	135	138	17.64	17.79	17.67	19.00
100	QPSK	270	0	17.61	17.76	17.60	19.00
100	16QAM	1	1	17.71	17.78	17.69	19.00
100	64QAM	1	1	17.64	17.78	17.69	19.00
100	256QAM	1	1	17.76	17.81	17.70	19.00
	Channel			649668	656000	662332	Tune-up limit
	Frequency (MHz)			3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	17.82	17.79	17.77	19.00
	Channel			649334	656000	662666	Tune-up limit
	Frequency (MHz)			3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	17.75	17.76	17.71	19.00
	Channel			649000	656000	663000	Tune-up limit
	Frequency (MHz)			3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	17.72	17.81	17.76	19.00
	Channel			648668	656000	663332	Tune-up limit
	Frequency (MHz)			3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	17.76	17.84	17.77	19.00
	Channel			648334	656000	663666	Tune-up limit
	Frequency (MHz)			3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	17.70	17.79	17.69	19.00
	Channel			648000	656000	664000	Tune-up limit
	Frequency (MHz)			3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	17.82	17.74	17.75	19.00
	Channel			647668	656000	664332	Tune-up limit

	Frequency (MHz)			3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	17.74	17.73	17.74	19.00
	Channel			647500	656000	664500	Tune-up limit
	Frequency (MHz)			3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	17.71	17.73	17.81	19.00
	Channel			647334	656000	664666	Tune-up limit
	Frequency (MHz)			3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	17.75	17.82	17.71	19.00
	Channel			647168	656000	664832	Tune-up limit
	Frequency (MHz)			3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	17.78	17.71	17.78	19.00
	Channel			647000	656000	665000	Tune-up limit
	Frequency (MHz)			3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	17.74	17.77	17.79	19.00

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 1_ECI 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				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		17.67		18.20
100	PI/2 BPSK	1	137		17.59		18.20
100	PI/2 BPSK	1	271		17.65		18.20
100	PI/2 BPSK	135	0		17.66		18.20
100	PI/2 BPSK	135	69		17.59		18.20
100	PI/2 BPSK	135	138		17.59		18.20
100	PI/2 BPSK	270	0		17.59		18.20
100	QPSK	1	1		17.64		18.20
100	QPSK	1	137		17.66		18.20
100	QPSK	1	271		17.62		18.20
100	QPSK	135	0		17.58		18.20
100	QPSK	135	69		17.59		18.20
100	QPSK	135	138		17.60		18.20
100	QPSK	270	0		17.64		18.20
100	16QAM	1	1		17.67		18.20
100	64QAM	1	1		17.67		18.20
100	256QAM	1	1		17.63		18.20
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.59	17.62	17.58	18.20
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.48	17.51	17.54	18.20
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.50	17.52	17.51	18.20
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.47	17.52	17.52	18.20
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.52	17.52	17.46	18.20
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.48	17.49	17.47	18.20
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.49	17.52	17.55	18.20
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.57	17.49	17.56	18.20
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.48	17.53	17.44	18.20
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.56	17.51	17.46	18.20
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.58	17.56	17.45	18.20

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Ant 1_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.84	17.86	17.82	18.20
100	PI/2 BPSK	1	137	17.77	17.83	17.68	18.20
100	PI/2 BPSK	1	271	17.77	17.82	17.65	18.20
100	PI/2 BPSK	135	0	17.68	17.84	17.69	18.20
100	PI/2 BPSK	135	69	17.80	17.83	17.66	18.20
100	PI/2 BPSK	135	138	17.66	17.82	17.72	18.20
100	PI/2 BPSK	270	0	17.81	17.86	17.72	18.20
100	QPSK	1	1	17.72	17.84	17.77	18.20
100	QPSK	1	137	17.72	17.77	17.59	18.20
100	QPSK	1	271	17.73	17.80	17.65	18.20
100	QPSK	135	0	17.68	17.83	17.64	18.20
100	QPSK	135	69	17.73	17.80	17.67	18.20
100	QPSK	135	138	17.64	17.79	17.67	18.20
100	QPSK	270	0	17.61	17.76	17.60	18.20
100	16QAM	1	1	17.71	17.78	17.69	18.20
100	64QAM	1	1	17.64	17.78	17.69	18.20
100	256QAM	1	1	17.76	17.81	17.70	18.20
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.82	17.79	17.77	18.20
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.75	17.76	17.71	18.20
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.72	17.81	17.76	18.20
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.76	17.84	17.77	18.20
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.70	17.79	17.69	18.20
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.82	17.74	17.75	18.20
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	17.74	17.73	17.74	18.20
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	17.71	17.73	17.81	18.20
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.75	17.82	17.71	18.20
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.78	17.71	17.78	18.20
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.74	17.77	17.79	18.20

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 1_ECI 6】

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		16.41		17.40
100	PI/2 BPSK	1	137		16.57		17.40
100	PI/2 BPSK	1	271		16.47		17.40
100	PI/2 BPSK	135	0		16.50		17.40
100	PI/2 BPSK	135	69		16.57		17.40
100	PI/2 BPSK	135	138		16.55		17.40
100	PI/2 BPSK	270	0		16.46		17.40
100	QPSK	1	1		16.47		17.40
100	QPSK	1	137		16.58		17.40
100	QPSK	1	271		16.43		17.40
100	QPSK	135	0		16.53		17.40
100	QPSK	135	69		16.63		17.40

100	QPSK	135	138		16.56		17.40
100	QPSK	270	0		16.48		17.40
100	16QAM	1	1		16.31		17.40
100	64QAM	1	1		16.42		17.40
100	256QAM	1	1		16.63		17.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.43	16.38	16.45	17.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.35	16.25	16.28	17.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.32	16.29	16.34	17.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.34	16.36	16.35	17.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.37	16.27	16.29	17.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.38	16.24	16.33	17.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.32	16.38	16.28	17.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.30	16.33	16.44	17.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.41	16.34	16.29	17.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.35	16.25	16.37	17.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.32	16.36	16.37	17.40

【FR1 n77 (270) _ FCC_Part 270 (3700~3980MHz)_HPUE_Ant 1_ECI 6】

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	16.68	16.53	16.57	17.40
100	PI/2 BPSK	1	137	16.54	16.65	16.57	17.40
100	PI/2 BPSK	1	271	16.59	16.64	16.52	17.40
100	PI/2 BPSK	135	0	16.62	16.64	16.60	17.40
100	PI/2 BPSK	135	69	16.62	16.61	16.62	17.40
100	PI/2 BPSK	135	138	16.60	16.62	16.55	17.40
100	PI/2 BPSK	270	0	16.59	16.64	16.48	17.40
100	QPSK	1	1	16.63	16.61	16.54	17.40
100	QPSK	1	137	16.58	16.69	16.56	17.40
100	QPSK	1	271	16.58	16.69	16.56	17.40
100	QPSK	135	0	16.68	16.67	16.55	17.40
100	QPSK	135	69	16.65	16.78	16.62	17.40
100	QPSK	135	138	16.61	16.67	16.60	17.40
100	QPSK	270	0	16.63	16.67	16.64	17.40
100	16QAM	1	1	16.41	16.56	16.44	17.40
100	64QAM	1	1	16.56	16.55	16.48	17.40
100	256QAM	1	1	16.68	16.85	16.53	17.40
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	16.56	16.55	16.47	17.40
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	16.67	16.51	16.51	17.40
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	16.61	16.52	16.59	17.40
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	16.52	16.50	16.51	17.40
Channel				648334	656000	663666	Tune-up limit

	Frequency (MHz)			3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	16.55	16.48	16.49	17.40
	Channel			648000	656000	664000	Tune-up limit
	Frequency (MHz)			3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	16.54	16.46	16.47	17.40
	Channel			647668	656000	664332	Tune-up limit
	Frequency (MHz)			3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	16.55	16.44	16.50	17.40
	Channel			647500	656000	664500	Tune-up limit
	Frequency (MHz)			3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	16.56	16.52	16.48	17.40
	Channel			647334	656000	664666	Tune-up limit
	Frequency (MHz)			3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	16.61	16.50	16.54	17.40
	Channel			647168	656000	664832	Tune-up limit
	Frequency (MHz)			3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	16.53	16.53	16.43	17.40
	Channel			647000	656000	665000	Tune-up limit
	Frequency (MHz)			3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	16.53	16.50	16.50	17.40

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 1_ECI 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				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		17.45		19.30
100	PI/2 BPSK	1	137		17.61		19.30
100	PI/2 BPSK	1	271		17.49		19.30
100	PI/2 BPSK	135	0		17.58		19.30
100	PI/2 BPSK	135	69		17.59		19.30
100	PI/2 BPSK	135	138		17.62		19.30
100	PI/2 BPSK	270	0		17.49		19.30
100	QPSK	1	1		17.48		19.30
100	QPSK	1	137		17.61		19.30
100	QPSK	1	271		17.52		19.30
100	QPSK	135	0		17.61		19.30
100	QPSK	135	69		17.66		19.30
100	QPSK	135	138		17.65		19.30
100	QPSK	270	0		17.55		19.30
100	16QAM	1	1		17.40		19.30
100	64QAM	1	1		17.44		19.30
100	256QAM	1	1		17.65		19.30
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.46	17.45	17.47	19.30
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.42	17.33	17.36	19.30
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.33	17.37	17.41	19.30
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.37	17.44	17.35	19.30
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.40	17.37	17.35	19.30
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.41	17.33	17.42	19.30
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.32	17.39	17.36	19.30
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.33	17.37	17.46	19.30
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.42	17.35	17.33	19.30
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.37	17.35	17.37	19.30
	Channel			630334	633332	636332	Tune-up limit

	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.34	17.42	17.46	19.30

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Ant 1_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.69	17.63	17.64	19.30
100	PI/2 BPSK	1	137	17.64	17.67	17.60	19.30
100	PI/2 BPSK	1	271	17.64	17.67	17.57	19.30
100	PI/2 BPSK	135	0	17.68	17.74	17.63	19.30
100	PI/2 BPSK	135	69	17.69	17.71	17.63	19.30
100	PI/2 BPSK	135	138	17.68	17.69	17.63	19.30
100	PI/2 BPSK	270	0	17.67	17.68	17.55	19.30
100	QPSK	1	1	17.69	17.68	17.64	19.30
100	QPSK	1	137	17.64	17.71	17.64	19.30
100	QPSK	1	271	17.64	17.71	17.64	19.30
100	QPSK	135	0	17.69	17.77	17.64	19.30
100	QPSK	135	69	17.68	17.78	17.63	19.30
100	QPSK	135	138	17.65	17.74	17.64	19.30
100	QPSK	270	0	17.67	17.73	17.64	19.30
100	16QAM	1	1	17.50	17.56	17.48	19.30
100	64QAM	1	1	17.60	17.63	17.53	19.30
100	256QAM	1	1	17.69	17.88	17.63	19.30
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.61	17.61	17.56	19.30
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.67	17.59	17.58	19.30
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.65	17.52	17.60	19.30
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.61	17.54	17.56	19.30
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.56	17.57	17.49	19.30
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.55	17.55	17.55	19.30
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	17.65	17.50	17.54	19.30
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	17.62	17.53	17.49	19.30
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.61	17.57	17.60	19.30
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.54	17.60	17.50	19.30
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.63	17.57	17.56	19.30

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 1_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.41		17.40
100	PI/2 BPSK	1	137		16.57		17.40
100	PI/2 BPSK	1	271		16.47		17.40
100	PI/2 BPSK	135	0		16.50		17.40
100	PI/2 BPSK	135	69		16.57		17.40
100	PI/2 BPSK	135	138		16.55		17.40

100	PI/2 BPSK	270	0		16.46		17.40
100	QPSK	1	1		16.47		17.40
100	QPSK	1	137		16.58		17.40
100	QPSK	1	271		16.43		17.40
100	QPSK	135	0		16.53		17.40
100	QPSK	135	69		16.63		17.40
100	QPSK	135	138		16.56		17.40
100	QPSK	270	0		16.48		17.40
100	16QAM	1	1		16.31		17.40
100	64QAM	1	1		16.42		17.40
100	256QAM	1	1		16.63		17.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.43	16.38	16.45	17.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.35	16.25	16.28	17.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.32	16.29	16.34	17.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.34	16.36	16.35	17.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.37	16.27	16.29	17.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.38	16.24	16.33	17.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.32	16.38	16.28	17.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.30	16.33	16.44	17.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.41	16.34	16.29	17.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.35	16.25	16.37	17.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.32	16.36	16.37	17.40

【FR1 n77 (270)_ FCC_Part 270 (3700~3980MHz)_HPUE_Ant 1_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.68	16.53	16.57	17.40
100	PI/2 BPSK	1	137	16.54	16.65	16.57	17.40
100	PI/2 BPSK	1	271	16.59	16.64	16.52	17.40
100	PI/2 BPSK	135	0	16.62	16.64	16.60	17.40
100	PI/2 BPSK	135	69	16.62	16.61	16.62	17.40
100	PI/2 BPSK	135	138	16.60	16.62	16.55	17.40
100	PI/2 BPSK	270	0	16.59	16.64	16.48	17.40
100	QPSK	1	1	16.63	16.61	16.54	17.40
100	QPSK	1	137	16.58	16.69	16.56	17.40
100	QPSK	1	271	16.58	16.69	16.56	17.40
100	QPSK	135	0	16.68	16.67	16.55	17.40
100	QPSK	135	69	16.65	16.78	16.62	17.40
100	QPSK	135	138	16.61	16.67	16.60	17.40
100	QPSK	270	0	16.63	16.67	16.64	17.40
100	16QAM	1	1	16.41	16.56	16.44	17.40
100	64QAM	1	1	16.56	16.55	16.48	17.40
100	256QAM	1	1	16.68	16.85	16.53	17.40
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	16.56	16.55	16.47	17.40
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	16.67	16.51	16.51	17.40
Channel				649000	656000	663000	Tune-up limit

	Frequency (MHz)			3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	16.61	16.52	16.59	17.40
	Channel			648668	656000	663332	Tune-up limit
	Frequency (MHz)			3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	16.52	16.50	16.51	17.40
	Channel			648334	656000	663666	Tune-up limit
	Frequency (MHz)			3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	16.55	16.48	16.49	17.40
	Channel			648000	656000	664000	Tune-up limit
	Frequency (MHz)			3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	16.54	16.46	16.47	17.40
	Channel			647668	656000	664332	Tune-up limit
	Frequency (MHz)			3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	16.55	16.44	16.50	17.40
	Channel			647500	656000	664500	Tune-up limit
	Frequency (MHz)			3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	16.56	16.52	16.48	17.40
	Channel			647334	656000	664666	Tune-up limit
	Frequency (MHz)			3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	16.61	16.50	16.54	17.40
	Channel			647168	656000	664832	Tune-up limit
	Frequency (MHz)			3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	16.53	16.53	16.43	17.40
	Channel			647000	656000	665000	Tune-up limit
	Frequency (MHz)			3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	16.53	16.50	16.50	17.40

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 5_ECI 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				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		14.92		16.00
100	PI/2 BPSK	1	137		15.12		16.00
100	PI/2 BPSK	1	271		15.17		16.00
100	PI/2 BPSK	135	0		15.08		16.00
100	PI/2 BPSK	135	69		15.08		16.00
100	PI/2 BPSK	135	138		15.18		16.00
100	PI/2 BPSK	270	0		15.12		16.00
100	QPSK	1	1		14.88		16.00
100	QPSK	1	137		15.09		16.00
100	QPSK	1	271		15.13		16.00
100	QPSK	135	0		15.09		16.00
100	QPSK	135	69		15.12		16.00
100	QPSK	135	138		15.20		16.00
100	QPSK	270	0		15.12		16.00
100	16QAM	1	1		15.17		16.00
100	64QAM	1	1		15.01		16.00
100	256QAM	1	1		15.30		16.00
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.90	14.95	14.92	16.00
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.85	15.01	14.85	16.00
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.83	14.89	14.80	16.00
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.77	14.84	14.85	16.00
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.75	14.85	14.81	16.00
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.83	14.85	14.89	16.00



Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.81	14.90	14.81	16.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.77	14.93	14.87	16.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.86	14.82	14.86	16.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.76	14.82	14.80	16.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.82	14.85	14.83	16.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 5_ECI 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				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	15.04	15.12	15.11	16.00
100	PI/2 BPSK	1	137	15.02	15.19	15.10	16.00
100	PI/2 BPSK	1	271	15.03	15.15	15.03	16.00
100	PI/2 BPSK	135	0	14.97	15.15	15.08	16.00
100	PI/2 BPSK	135	69	15.00	15.12	15.00	16.00
100	PI/2 BPSK	135	138	14.99	15.16	15.11	16.00
100	PI/2 BPSK	270	0	14.94	15.14	15.03	16.00
100	QPSK	1	1	14.92	15.06	14.97	16.00
100	QPSK	1	137	15.02	15.14	15.11	16.00
100	QPSK	1	271	14.92	15.12	15.03	16.00
100	QPSK	135	0	14.93	15.15	15.03	16.00
100	QPSK	135	69	14.88	15.09	14.95	16.00
100	QPSK	135	138	15.03	15.19	15.11	16.00
100	QPSK	270	0	14.90	15.12	14.97	16.00
100	16QAM	1	1	14.98	15.10	15.06	16.00
100	64QAM	1	1	14.85	15.06	15.00	16.00
100	256QAM	1	1	15.04	15.24	15.11	16.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	14.92	15.11	15.10	16.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	14.94	15.03	15.09	16.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	14.96	15.03	15.06	16.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	15.00	15.04	15.00	16.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	14.90	15.09	15.06	16.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	15.00	15.08	15.06	16.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	14.90	15.04	15.09	16.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	15.01	15.03	14.97	16.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	15.01	15.00	15.00	16.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	14.94	15.01	14.96	16.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	15.01	15.03	15.00	16.00

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 5_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.34		14.40
100	PI/2 BPSK	1	137		13.53		14.40
100	PI/2 BPSK	1	271		13.67		14.40
100	PI/2 BPSK	135	0		13.57		14.40
100	PI/2 BPSK	135	69		13.56		14.40
100	PI/2 BPSK	135	138		13.61		14.40
100	PI/2 BPSK	270	0		13.53		14.40
100	QPSK	1	1		13.28		14.40
100	QPSK	1	137		13.54		14.40
100	QPSK	1	271		13.56		14.40
100	QPSK	135	0		13.54		14.40
100	QPSK	135	69		13.55		14.40
100	QPSK	135	138		13.63		14.40
100	QPSK	270	0		13.55		14.40
100	16QAM	1	1		13.64		14.40
100	64QAM	1	1		13.47		14.40
100	256QAM	1	1		13.73		14.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	13.39	13.37	13.37	14.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.26	13.47	13.26	14.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.24	13.31	13.26	14.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.23	13.31	13.28	14.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	13.17	13.33	13.29	14.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.23	13.32	13.29	14.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.21	13.30	13.22	14.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	13.22	13.33	13.37	14.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.26	13.26	13.27	14.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	13.21	13.22	13.23	14.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.28	13.29	13.27	14.40

【FR1 n77 (27O) _FCC_Part 27O (3700~3980MHz)_Ant 5_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.45	13.61	13.56	14.40
100	PI/2 BPSK	1	137	13.45	13.69	13.50	14.40
100	PI/2 BPSK	1	271	13.53	13.56	13.47	14.40
100	PI/2 BPSK	135	0	13.42	13.65	13.54	14.40
100	PI/2 BPSK	135	69	13.46	13.59	13.47	14.40
100	PI/2 BPSK	135	138	13.45	13.56	13.55	14.40
100	PI/2 BPSK	270	0	13.39	13.63	13.53	14.40
100	QPSK	1	1	13.33	13.56	13.44	14.40
100	QPSK	1	137	13.46	13.58	13.58	14.40
100	QPSK	1	271	13.32	13.61	13.49	14.40
100	QPSK	135	0	13.35	13.63	13.47	14.40

100	QPSK	135	69	13.37	13.58	13.45	14.40
100	QPSK	135	138	13.49	13.63	13.59	14.40
100	QPSK	270	0	13.37	13.62	13.46	14.40
100	16QAM	1	1	13.46	13.52	13.48	14.40
100	64QAM	1	1	13.29	13.51	13.41	14.40
100	256QAM	1	1	13.48	13.72	13.60	14.40
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	13.35	13.52	13.51	14.40
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	13.36	13.48	13.46	14.40
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	13.41	13.55	13.49	14.40
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	13.42	13.46	13.45	14.40
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	13.44	13.59	13.42	14.40
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	13.33	13.47	13.51	14.40
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	13.33	13.54	13.48	14.40
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	13.38	13.53	13.46	14.40
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	13.35	13.49	13.48	14.40
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	13.35	13.52	13.48	14.40
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	13.39	13.46	13.47	14.40

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_Ant 5_ECI 6】

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		17.44		17.70
100	PI/2 BPSK	1	137		17.63		17.70
100	PI/2 BPSK	1	271		17.70		17.70
100	PI/2 BPSK	135	0		17.56		17.70
100	PI/2 BPSK	135	69		17.61		17.70
100	PI/2 BPSK	135	138		17.70		17.70
100	PI/2 BPSK	270	0		17.59		17.70
100	QPSK	1	1		17.38		17.70
100	QPSK	1	137		17.61		17.70
100	QPSK	1	271		17.68		17.70
100	QPSK	135	0		17.56		17.70
100	QPSK	135	69		17.62		17.70
100	QPSK	135	138		17.70		17.70
100	QPSK	270	0		17.61		17.70
100	16QAM	1	1		17.66		17.70
100	64QAM	1	1		17.49		17.70
100	256QAM	1	1		17.70		17.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.39	17.42	17.38	17.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.25	17.36	17.28	17.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.33	17.38	17.37	17.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.24	17.29	17.28	17.70



Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.31	17.30	17.27	17.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.35	17.31	17.26	17.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.34	17.29	17.33	17.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.36	17.27	17.25	17.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.32	17.31	17.28	17.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.25	17.36	17.26	17.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.31	17.29	17.32	17.70

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 5_ECI 6】

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	17.53	17.56	17.55	17.70
100	PI/2 BPSK	1	137	17.45	17.62	17.53	17.70
100	PI/2 BPSK	1	271	17.52	17.70	17.54	17.70
100	PI/2 BPSK	135	0	17.44	17.61	17.55	17.70
100	PI/2 BPSK	135	69	17.48	17.58	17.43	17.70
100	PI/2 BPSK	135	138	17.53	17.68	17.55	17.70
100	PI/2 BPSK	270	0	17.51	17.60	17.53	17.70
100	QPSK	1	1	17.37	17.54	17.43	17.70
100	QPSK	1	137	17.53	17.59	17.46	17.70
100	QPSK	1	271	17.49	17.66	17.53	17.70
100	QPSK	135	0	17.53	17.62	17.55	17.70
100	QPSK	135	69	17.51	17.59	17.46	17.70
100	QPSK	135	138	17.52	17.69	17.54	17.70
100	QPSK	270	0	17.51	17.62	17.53	17.70
100	16QAM	1	1	17.52	17.63	17.55	17.70
100	64QAM	1	1	17.38	17.55	17.41	17.70
100	256QAM	1	1	17.52	17.69	17.55	17.70
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	17.49	17.44	17.41	17.70
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	17.41	17.46	17.48	17.70
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	17.46	17.50	17.40	17.70
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	17.48	17.45	17.50	17.70
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	17.45	17.52	17.47	17.70
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	17.43	17.46	17.44	17.70
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	17.50	17.43	17.49	17.70
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	17.50	17.50	17.41	17.70
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	17.46	17.50	17.41	17.70
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	17.44	17.53	17.54	17.70

Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.51	17.43	17.51	17.70

【FR1 n77 (27Q) _ FCC_Part 27Q (3450~3550MHz)_Ant 5_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.44		19.10
100	PI/2 BPSK	1	137		17.63		19.10
100	PI/2 BPSK	1	271		17.70		19.10
100	PI/2 BPSK	135	0		17.56		19.10
100	PI/2 BPSK	135	69		17.61		19.10
100	PI/2 BPSK	135	138		17.70		19.10
100	PI/2 BPSK	270	0		17.59		19.10
100	QPSK	1	1		17.38		19.10
100	QPSK	1	137		17.61		19.10
100	QPSK	1	271		17.68		19.10
100	QPSK	135	0		17.56		19.10
100	QPSK	135	69		17.62		19.10
100	QPSK	135	138		17.70		19.10
100	QPSK	270	0		17.61		19.10
100	16QAM	1	1		17.66		19.10
100	64QAM	1	1		17.49		19.10
100	256QAM	1	1		17.70		19.10
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.39	17.42	17.38	19.10
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.25	17.36	17.28	19.10
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.33	17.38	17.37	19.10
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.24	17.29	17.28	19.10
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.31	17.30	17.27	19.10
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.35	17.31	17.26	19.10
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.34	17.29	17.33	19.10
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	17.36	17.27	17.25	19.10
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.32	17.31	17.28	19.10
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.25	17.36	17.26	19.10
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.31	17.29	17.32	19.10

【FR1 n77 (27Q) _ FCC_Part 27Q (3700~3980MHz)_Ant 5_ECI 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					650000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.53	17.56	17.55	19.10
100	PI/2 BPSK	1	137	17.45	17.62	17.53	19.10
100	PI/2 BPSK	1	271	17.52	17.70	17.54	19.10
100	PI/2 BPSK	135	0	17.44	17.61	17.55	19.10
100	PI/2 BPSK	135	69	17.48	17.58	17.43	19.10

100	PI/2 BPSK	135	138	17.53	17.68	17.55	19.10
100	PI/2 BPSK	270	0	17.51	17.60	17.53	19.10
100	QPSK	1	1	17.37	17.54	17.43	19.10
100	QPSK	1	137	17.53	17.59	17.46	19.10
100	QPSK	1	271	17.49	17.66	17.53	19.10
100	QPSK	135	0	17.53	17.62	17.55	19.10
100	QPSK	135	69	17.51	17.59	17.46	19.10
100	QPSK	135	138	17.52	17.69	17.54	19.10
100	QPSK	270	0	17.51	17.62	17.53	19.10
100	16QAM	1	1	17.52	17.63	17.55	19.10
100	64QAM	1	1	17.38	17.55	17.41	19.10
100	256QAM	1	1	17.52	17.69	17.55	19.10
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	17.49	17.44	17.41	19.10
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	17.41	17.46	17.48	19.10
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	17.46	17.50	17.40	19.10
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	17.48	17.45	17.50	19.10
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	17.45	17.52	17.47	19.10
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	17.43	17.46	17.44	19.10
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	17.50	17.43	17.49	19.10
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	17.50	17.50	17.41	19.10
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	17.46	17.50	17.41	19.10
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	17.44	17.53	17.54	19.10
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	17.51	17.43	17.51	19.10

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 5 _ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.44		17.70
100	PI/2 BPSK	1	137		17.63		17.70
100	PI/2 BPSK	1	271		17.70		17.70
100	PI/2 BPSK	135	0		17.56		17.70
100	PI/2 BPSK	135	69		17.61		17.70
100	PI/2 BPSK	135	138		17.70		17.70
100	PI/2 BPSK	270	0		17.59		17.70
100	QPSK	1	1		17.38		17.70
100	QPSK	1	137		17.61		17.70
100	QPSK	1	271		17.68		17.70
100	QPSK	135	0		17.56		17.70
100	QPSK	135	69		17.62		17.70
100	QPSK	135	138		17.70		17.70
100	QPSK	270	0		17.61		17.70
100	16QAM	1	1		17.66		17.70
100	64QAM	1	1		17.49		17.70
100	256QAM	1	1		17.70		17.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.39	17.42	17.38	17.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.25	17.36	17.28	17.70

Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.33	17.38	17.37	17.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.24	17.29	17.28	17.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.31	17.30	17.27	17.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.35	17.31	17.26	17.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.34	17.29	17.33	17.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.36	17.27	17.25	17.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.32	17.31	17.28	17.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.25	17.36	17.26	17.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.31	17.29	17.32	17.70

【FR1 n77 (270) _ FCC_Part 270 (3700~3980MHz)_Ant 5_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.53	17.56	17.55	17.70
100	PI/2 BPSK	1	137	17.45	17.62	17.53	17.70
100	PI/2 BPSK	1	271	17.52	17.70	17.54	17.70
100	PI/2 BPSK	135	0	17.44	17.61	17.55	17.70
100	PI/2 BPSK	135	69	17.48	17.58	17.43	17.70
100	PI/2 BPSK	135	138	17.53	17.68	17.55	17.70
100	PI/2 BPSK	270	0	17.51	17.60	17.53	17.70
100	QPSK	1	1	17.37	17.54	17.43	17.70
100	QPSK	1	137	17.53	17.59	17.46	17.70
100	QPSK	1	271	17.49	17.66	17.53	17.70
100	QPSK	135	0	17.53	17.62	17.55	17.70
100	QPSK	135	69	17.51	17.59	17.46	17.70
100	QPSK	135	138	17.52	17.69	17.54	17.70
100	QPSK	270	0	17.51	17.62	17.53	17.70
100	16QAM	1	1	17.52	17.63	17.55	17.70
100	64QAM	1	1	17.38	17.55	17.41	17.70
100	256QAM	1	1	17.52	17.69	17.55	17.70
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	17.49	17.44	17.41	17.70
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	17.41	17.46	17.48	17.70
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	17.46	17.50	17.40	17.70
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	17.48	17.45	17.50	17.70
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	17.45	17.52	17.47	17.70
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	17.43	17.46	17.44	17.70
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	17.50	17.43	17.49	17.70
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	17.50	17.50	17.41	17.70

Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	17.46	17.50	17.41	17.70
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	17.44	17.53	17.54	17.70
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	17.51	17.43	17.51	17.70

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 5_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.84		19.00
100	PI/2 BPSK	1	137		17.97		19.00
100	PI/2 BPSK	1	271		18.06		19.00
100	PI/2 BPSK	135	0		17.87		19.00
100	PI/2 BPSK	135	69		17.88		19.00
100	PI/2 BPSK	135	138		18.03		19.00
100	PI/2 BPSK	270	0		17.98		19.00
100	QPSK	1	1		17.80		19.00
100	QPSK	1	137		17.94		19.00
100	QPSK	1	271		18.04		19.00
100	QPSK	135	0		17.96		19.00
100	QPSK	135	69		18.01		19.00
100	QPSK	135	138		18.07		19.00
100	QPSK	270	0		18.02		19.00
100	16QAM	1	1		17.48		19.00
100	64QAM	1	1		18.17		19.00
100	256QAM	1	1		18.00		19.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.83	17.83	17.80	19.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.76	17.80	17.71	19.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.81	17.72	17.69	19.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.82	17.76	17.77	19.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.75	17.79	17.71	19.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.72	17.80	17.75	19.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.71	17.81	17.73	19.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.76	17.78	17.76	19.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.73	17.73	17.69	19.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.72	17.73	17.70	19.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.69	17.72	17.78	19.00

【FR1 n77 (270) _FCC_Part 27O (3700~3980MHz)_HPUE_Ant 5_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.99	17.95	18.05	19.00
100	PI/2 BPSK	1	137	18.11	17.99	18.05	19.00
100	PI/2 BPSK	1	271	17.99	18.07	18.19	19.00
100	PI/2 BPSK	135	0	18.04	17.96	18.01	19.00
100	PI/2 BPSK	135	69	17.99	17.91	17.93	19.00
100	PI/2 BPSK	135	138	18.04	18.06	18.02	19.00
100	PI/2 BPSK	270	0	18.07	18.02	18.06	19.00
100	QPSK	1	1	17.93	17.90	18.01	19.00
100	QPSK	1	137	18.07	17.97	18.00	19.00
100	QPSK	1	271	17.93	18.02	18.13	19.00
100	QPSK	135	0	18.12	18.04	18.09	19.00
100	QPSK	135	69	18.13	18.02	18.04	19.00
100	QPSK	135	138	18.11	18.13	18.11	19.00
100	QPSK	270	0	18.10	18.06	18.11	19.00
100	16QAM	1	1	17.60	17.57	17.65	19.00
100	64QAM	1	1	18.27	18.23	18.30	19.00
100	256QAM	1	1	18.11	18.07	18.15	19.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.92	17.81	17.94	19.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.98	17.85	18.00	19.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.96	17.89	17.99	19.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.89	17.93	17.96	19.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.92	17.88	18.00	19.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.84	17.83	17.98	19.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	17.93	17.88	18.02	19.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	17.85	17.87	18.01	19.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.90	17.92	17.90	19.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.85	17.81	17.92	19.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.95	17.87	17.97	19.00

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 5_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.78		17.40
100	PI/2 BPSK	1	137		16.92		17.40
100	PI/2 BPSK	1	271		17.05		17.40
100	PI/2 BPSK	135	0		16.77		17.40
100	PI/2 BPSK	135	69		16.85		17.40
100	PI/2 BPSK	135	138		17.03		17.40
100	PI/2 BPSK	270	0		16.91		17.40
100	QPSK	1	1		16.76		17.40
100	QPSK	1	137		16.91		17.40
100	QPSK	1	271		17.00		17.40

100	QPSK	135	0		16.92		17.40
100	QPSK	135	69		16.93		17.40
100	QPSK	135	138		17.06		17.40
100	QPSK	270	0		16.94		17.40
100	16QAM	1	1		16.42		17.40
100	64QAM	1	1		17.14		17.40
100	256QAM	1	1		16.92		17.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.78	16.82	16.74	17.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.68	16.75	16.70	17.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.76	16.65	16.63	17.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.72	16.69	16.71	17.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.75	16.73	16.71	17.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.72	16.70	16.73	17.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.66	16.76	16.69	17.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.71	16.68	16.71	17.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.68	16.68	16.67	17.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.69	16.71	16.67	17.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.62	16.70	16.77	17.40

【FR1 n77 (270) FCC_Part 270 (3700~3980MHz) HPUE_Ant 5_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.91	16.85	16.98	17.40
100	PI/2 BPSK	1	137	17.05	16.90	16.95	17.40
100	PI/2 BPSK	1	271	16.94	17.01	17.09	17.40
100	PI/2 BPSK	135	0	17.04	16.86	16.96	17.40
100	PI/2 BPSK	135	69	16.90	16.88	16.91	17.40
100	PI/2 BPSK	135	138	16.98	17.06	17.00	17.40
100	PI/2 BPSK	270	0	17.04	16.92	17.04	17.40
100	QPSK	1	1	16.88	16.90	16.99	17.40
100	QPSK	1	137	17.07	16.92	16.90	17.40
100	QPSK	1	271	16.83	16.93	17.09	17.40
100	QPSK	135	0	17.11	17.03	17.03	17.40
100	QPSK	135	69	17.09	16.93	16.96	17.40
100	QPSK	135	138	17.06	17.13	17.07	17.40
100	QPSK	270	0	17.02	16.99	17.11	17.40
100	16QAM	1	1	16.51	16.50	16.56	17.40
100	64QAM	1	1	17.24	17.16	17.27	17.40
100	256QAM	1	1	17.07	17.05	17.11	17.40
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	16.83	16.72	16.86	17.40
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	16.82	16.83	16.91	17.40
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	16.78	16.71	16.86	17.40
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)

60	PI/2 BPSK	1	1	16.81	16.74	16.87	17.40
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	16.85	16.70	16.86	17.40
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	16.76	16.81	16.89	17.40
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	16.83	16.76	16.91	17.40
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	16.84	16.81	16.88	17.40
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	16.89	16.78	16.87	17.40
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	16.79	16.83	16.92	17.40
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	16.86	16.75	16.94	17.40

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 5_ECI 6】

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		20.28		20.70
100	PI/2 BPSK	1	137		20.48		20.70
100	PI/2 BPSK	1	271		20.62		20.70
100	PI/2 BPSK	135	0		20.41		20.70
100	PI/2 BPSK	135	69		20.44		20.70
100	PI/2 BPSK	135	138		20.62		20.70
100	PI/2 BPSK	270	0		20.42		20.70
100	QPSK	1	1		20.32		20.70
100	QPSK	1	137		20.50		20.70
100	QPSK	1	271		20.61		20.70
100	QPSK	135	0		20.44		20.70
100	QPSK	135	69		20.50		20.70
100	QPSK	135	138		20.62		20.70
100	QPSK	270	0		20.49		20.70
100	16QAM	1	1		20.29		20.70
100	64QAM	1	1		20.38		20.70
100	256QAM	1	1		20.59		20.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.27	20.27	20.27	20.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.15	20.23	20.17	20.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.17	20.15	20.19	20.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.19	20.13	20.13	20.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.16	20.23	20.23	20.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.24	20.14	20.19	20.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.22	20.15	20.12	20.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.15	20.14	20.13	20.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.19	20.21	20.25	20.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)

15	PI/2 BPSK	1	1	20.12	20.14	20.23	20.70
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.22	20.25	20.19	20.70

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Ant 5_ECI 6】

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	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.37	20.45	20.50	20.70
100	PI/2 BPSK	1	137	20.37	20.50	20.43	20.70
100	PI/2 BPSK	1	271	20.35	20.56	20.49	20.70
100	PI/2 BPSK	135	0	20.26	20.49	20.47	20.70
100	PI/2 BPSK	135	69	20.35	20.53	20.46	20.70
100	PI/2 BPSK	135	138	20.37	20.60	20.49	20.70
100	PI/2 BPSK	270	0	20.23	20.45	20.38	20.70
100	QPSK	1	1	20.30	20.47	20.43	20.70
100	QPSK	1	137	20.33	20.53	20.48	20.70
100	QPSK	1	271	20.37	20.56	20.49	20.70
100	QPSK	135	0	20.37	20.52	20.49	20.70
100	QPSK	135	69	20.36	20.56	20.48	20.70
100	QPSK	135	138	20.36	20.60	20.49	20.70
100	QPSK	270	0	20.28	20.50	20.50	20.70
100	16QAM	1	1	20.27	20.41	20.31	20.70
100	64QAM	1	1	20.33	20.46	20.47	20.70
100	256QAM	1	1	20.36	20.66	20.50	20.70
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.34	20.35	20.39	20.70
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.24	20.43	20.41	20.70
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.31	20.34	20.43	20.70
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.29	20.33	20.35	20.70
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.33	20.44	20.42	20.70
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.35	20.35	20.47	20.70
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	20.29	20.40	20.47	20.70
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	20.35	20.41	20.43	20.70
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.32	20.37	20.42	20.70
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.31	20.37	20.39	20.70
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.27	20.43	20.37	20.70

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 5_ECI 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					633332		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.28		22.10
100	PI/2 BPSK	1	137		20.48		22.10
100	PI/2 BPSK	1	271		20.62		22.10
100	PI/2 BPSK	135	0		20.41		22.10

100	PI/2 BPSK	135	69		20.44		22.10
100	PI/2 BPSK	135	138		20.62		22.10
100	PI/2 BPSK	270	0		20.42		22.10
100	QPSK	1	1		20.32		22.10
100	QPSK	1	137		20.50		22.10
100	QPSK	1	271		20.61		22.10
100	QPSK	135	0		20.44		22.10
100	QPSK	135	69		20.50		22.10
100	QPSK	135	138		20.62		22.10
100	QPSK	270	0		20.49		22.10
100	16QAM	1	1		20.29		22.10
100	64QAM	1	1		20.38		22.10
100	256QAM	1	1		20.59		22.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.27	20.27	20.27	22.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.15	20.23	20.17	22.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.17	20.15	20.19	22.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.19	20.13	20.13	22.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.16	20.23	20.23	22.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.24	20.14	20.19	22.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.22	20.15	20.12	22.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.15	20.14	20.13	22.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.19	20.21	20.25	22.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.12	20.14	20.23	22.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.22	20.25	20.19	22.10

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Ant 5_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.37	20.45	20.50	22.10
100	PI/2 BPSK	1	137	20.37	20.50	20.43	22.10
100	PI/2 BPSK	1	271	20.35	20.56	20.49	22.10
100	PI/2 BPSK	135	0	20.26	20.49	20.47	22.10
100	PI/2 BPSK	135	69	20.35	20.53	20.46	22.10
100	PI/2 BPSK	135	138	20.37	20.60	20.49	22.10
100	PI/2 BPSK	270	0	20.23	20.45	20.38	22.10
100	QPSK	1	1	20.30	20.47	20.43	22.10
100	QPSK	1	137	20.33	20.53	20.48	22.10
100	QPSK	1	271	20.37	20.56	20.49	22.10
100	QPSK	135	0	20.37	20.52	20.49	22.10
100	QPSK	135	69	20.36	20.56	20.48	22.10
100	QPSK	135	138	20.36	20.60	20.49	22.10
100	QPSK	270	0	20.28	20.50	20.50	22.10
100	16QAM	1	1	20.27	20.41	20.31	22.10
100	64QAM	1	1	20.33	20.46	20.47	22.10
100	256QAM	1	1	20.36	20.66	20.50	22.10
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	20.34	20.35	20.39	22.10
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)

80	PI/2 BPSK	1	1	20.24	20.43	20.41	22.10
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	20.31	20.34	20.43	22.10
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	20.29	20.33	20.35	22.10
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	20.33	20.44	20.42	22.10
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	20.35	20.35	20.47	22.10
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	20.29	20.40	20.47	22.10
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	20.35	20.41	20.43	22.10
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	20.32	20.37	20.42	22.10
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	20.31	20.37	20.39	22.10
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	20.27	20.43	20.37	22.10

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 5_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.28		20.70
100	PI/2 BPSK	1	137		20.48		20.70
100	PI/2 BPSK	1	271		20.62		20.70
100	PI/2 BPSK	135	0		20.41		20.70
100	PI/2 BPSK	135	69		20.44		20.70
100	PI/2 BPSK	135	138		20.62		20.70
100	PI/2 BPSK	270	0		20.42		20.70
100	QPSK	1	1		20.32		20.70
100	QPSK	1	137		20.50		20.70
100	QPSK	1	271		20.61		20.70
100	QPSK	135	0		20.44		20.70
100	QPSK	135	69		20.50		20.70
100	QPSK	135	138		20.62		20.70
100	QPSK	270	0		20.49		20.70
100	16QAM	1	1		20.29		20.70
100	64QAM	1	1		20.38		20.70
100	256QAM	1	1		20.59		20.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.27	20.27	20.27	20.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.15	20.23	20.17	20.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.17	20.15	20.19	20.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.19	20.13	20.13	20.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.16	20.23	20.23	20.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.24	20.14	20.19	20.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.22	20.15	20.12	20.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)

25	PI/2 BPSK	1	1	20.15	20.14	20.13	20.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.19	20.21	20.25	20.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.12	20.14	20.23	20.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.22	20.25	20.19	20.70

【FR1 n77 (270) _ FCC_Part 270 (3700~3980MHz)_HPUE_Ant 5_ECI 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				650000	656000	662000	Tune-up limit
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.37	20.45	20.50	20.70
100	PI/2 BPSK	1	137	20.37	20.50	20.43	20.70
100	PI/2 BPSK	1	271	20.35	20.56	20.49	20.70
100	PI/2 BPSK	135	0	20.26	20.49	20.47	20.70
100	PI/2 BPSK	135	69	20.35	20.53	20.46	20.70
100	PI/2 BPSK	135	138	20.37	20.60	20.49	20.70
100	PI/2 BPSK	270	0	20.23	20.45	20.38	20.70
100	QPSK	1	1	20.30	20.47	20.43	20.70
100	QPSK	1	137	20.33	20.53	20.48	20.70
100	QPSK	1	271	20.37	20.56	20.49	20.70
100	QPSK	135	0	20.37	20.52	20.49	20.70
100	QPSK	135	69	20.36	20.56	20.48	20.70
100	QPSK	135	138	20.36	20.60	20.49	20.70
100	QPSK	270	0	20.28	20.50	20.50	20.70
100	16QAM	1	1	20.27	20.41	20.31	20.70
100	64QAM	1	1	20.33	20.46	20.47	20.70
100	256QAM	1	1	20.36	20.66	20.50	20.70
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	20.34	20.35	20.39	20.70
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	20.24	20.43	20.41	20.70
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	20.31	20.34	20.43	20.70
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	20.29	20.33	20.35	20.70
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	20.33	20.44	20.42	20.70
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	20.35	20.35	20.47	20.70
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	20.29	20.40	20.47	20.70
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	20.35	20.41	20.43	20.70
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	20.32	20.37	20.42	20.70
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	20.31	20.37	20.39	20.70
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	20.27	20.43	20.37	20.70

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 6_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.32		24.90
100	PI/2 BPSK	1	137		24.12		24.90
100	PI/2 BPSK	1	271		23.98		24.90
100	PI/2 BPSK	135	0		23.69		23.90
100	PI/2 BPSK	135	69		24.27		24.90
100	PI/2 BPSK	135	138		23.57		23.90
100	PI/2 BPSK	270	0		23.62		23.90
100	QPSK	1	1		24.25		25.10
100	QPSK	1	137		24.08		25.10
100	QPSK	1	271		23.93		25.10
100	QPSK	135	0		23.20		24.10
100	QPSK	135	69		24.31		25.10
100	QPSK	135	138		23.07		24.10
100	QPSK	270	0		23.13		24.10
100	16QAM	1	1		23.46		24.10
100	64QAM	1	1		21.74		22.60
100	256QAM	1	1		20.08		20.60
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	24.23	24.23	24.20	25.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	QPSK	1	1	24.21	24.19	24.09	25.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	24.22	24.12	24.11	25.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	24.09	24.18	24.08	25.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	24.17	24.11	24.12	25.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	24.15	24.14	24.07	25.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	24.09	24.08	24.13	25.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	24.17	24.19	24.15	25.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	24.09	24.11	24.15	25.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	24.11	24.14	24.06	25.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	24.15	24.13	24.10	25.10

【FR1 n77 (27O) _FCC_Part 27O (3700~3980MHz)_Ant 6_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.17	24.11	24.10	24.90
100	PI/2 BPSK	1	137	24.10	24.14	24.08	24.90
100	PI/2 BPSK	1	271	24.02	24.03	23.89	24.90
100	PI/2 BPSK	135	0	23.55	23.62	23.46	23.90
100	PI/2 BPSK	135	69	24.15	24.10	24.00	24.90
100	PI/2 BPSK	135	138	23.53	23.59	23.48	23.90
100	PI/2 BPSK	270	0	23.61	23.60	23.47	23.90
100	QPSK	1	1	24.12	24.10	23.98	25.10
100	QPSK	1	137	24.13	24.09	23.96	25.10



100	QPSK	1	271	23.95	24.00	23.87	25.10
100	QPSK	135	0	23.06	23.14	23.01	24.10
100	QPSK	135	69	24.06	24.10	24.00	25.10
100	QPSK	135	138	23.12	23.10	23.05	24.10
100	QPSK	270	0	23.09	23.11	23.07	24.10
100	16QAM	1	1	23.50	23.46	23.32	24.10
100	64QAM	1	1	21.68	21.71	21.67	22.60
100	256QAM	1	1	20.03	20.01	19.98	20.60
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	QPSK	1	1	24.12	24.05	24.09	25.10
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	QPSK	1	1	24.05	23.99	24.00	25.10
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	QPSK	1	1	24.09	24.10	24.07	25.10
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	QPSK	1	1	24.12	24.09	24.06	25.10
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	QPSK	1	1	24.04	23.97	23.98	25.10
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	QPSK	1	1	24.03	24.05	24.04	25.10
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	QPSK	1	1	24.03	23.96	24.01	25.10
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	QPSK	1	1	24.05	23.97	23.96	25.10
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	QPSK	1	1	24.11	24.10	24.08	25.10
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	QPSK	1	1	24.09	24.04	24.02	25.10
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	QPSK	1	1	24.10	24.08	24.04	25.10

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.32		24.90
100	PI/2 BPSK	1	137		24.12		24.90
100	PI/2 BPSK	1	271		23.98		24.90
100	PI/2 BPSK	135	0		23.69		23.90
100	PI/2 BPSK	135	69		24.27		24.90
100	PI/2 BPSK	135	138		23.57		23.90
100	PI/2 BPSK	270	0		23.62		23.90
100	QPSK	1	1		24.25		25.00
100	QPSK	1	137		24.08		25.00
100	QPSK	1	271		23.93		25.00
100	QPSK	135	0		23.20		24.00
100	QPSK	135	69		24.31		25.00
100	QPSK	135	138		23.07		24.00
100	QPSK	270	0		23.13		24.00
100	16QAM	1	1		23.46		24.00
100	64QAM	1	1		21.74		22.50
100	256QAM	1	1		20.08		20.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	24.23	24.23	24.20	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	QPSK	1	1	24.21	24.19	24.09	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	24.22	24.12	24.11	25.00
Channel				632000	633332	634666	Tune-up limit

60	Frequency (MHz)	3480	3499.98	3519.99	(dBm)
	QPSK	24.09	24.18	24.08	25.00
	Channel	631668	633332	635000	Tune-up limit
	Frequency (MHz)	3475.02	3499.98	3525	(dBm)
50	QPSK	24.17	24.11	24.12	25.00
	Channel	631334	633332	635332	Tune-up limit
	Frequency (MHz)	3470.01	3499.98	3529.98	(dBm)
40	QPSK	24.15	24.14	24.07	25.00
	Channel	631000	633332	635666	Tune-up limit
	Frequency (MHz)	3465	3499.98	3534.99	(dBm)
30	QPSK	24.09	24.08	24.13	25.00
	Channel	630834	633332	635832	Tune-up limit
	Frequency (MHz)	3462.51	3499.98	3537.48	(dBm)
25	QPSK	24.17	24.19	24.15	25.00
	Channel	630668	633332	636000	Tune-up limit
	Frequency (MHz)	3460.02	3499.98	3540	(dBm)
20	QPSK	24.09	24.11	24.15	25.00
	Channel	630500	633332	636166	Tune-up limit
	Frequency (MHz)	3457.5	3499.98	3542.49	(dBm)
15	QPSK	24.11	24.14	24.06	25.00
	Channel	630334	633332	636332	Tune-up limit
	Frequency (MHz)	3455.01	3499.98	3544.98	(dBm)
10	QPSK	24.15	24.13	24.10	25.00

【FR1 n77 (270)_ FCC_Part 270 (3700~3980MHz)_Ant 6_ECI 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			650000	656000	662000	
	Frequency (MHz)			3750	3840	3930	
100	PI/2 BPSK	1	1	24.17	24.11	24.10	24.90
100	PI/2 BPSK	1	137	24.10	24.14	24.08	24.90
100	PI/2 BPSK	1	271	24.02	24.03	23.89	24.90
100	PI/2 BPSK	135	0	23.55	23.62	23.46	23.90
100	PI/2 BPSK	135	69	24.15	24.10	24.00	24.90
100	PI/2 BPSK	135	138	23.53	23.59	23.48	23.90
100	PI/2 BPSK	270	0	23.61	23.60	23.47	23.90
100	QPSK	1	1	24.12	24.10	23.98	25.00
100	QPSK	1	137	24.13	24.09	23.96	25.00
100	QPSK	1	271	23.95	24.00	23.87	25.00
100	QPSK	135	0	23.06	23.14	23.01	24.00
100	QPSK	135	69	24.06	24.10	24.00	25.00
100	QPSK	135	138	23.12	23.10	23.05	24.00
100	QPSK	270	0	23.09	23.11	23.07	24.00
100	16QAM	1	1	23.50	23.46	23.32	24.00
100	64QAM	1	1	21.68	21.71	21.67	22.50
100	256QAM	1	1	20.03	20.01	19.98	20.50
	Channel			649668	656000	662332	Tune-up limit
	Frequency (MHz)			3745.02	3840	3934.98	(dBm)
90	QPSK	1	1	24.12	24.05	24.09	25.00
	Channel			649334	656000	662666	Tune-up limit
	Frequency (MHz)			3740.01	3840	3939.99	(dBm)
80	QPSK	1	1	24.05	23.99	24.00	25.00
	Channel			649000	656000	663000	Tune-up limit
	Frequency (MHz)			3735	3840	3945	(dBm)
70	QPSK	1	1	24.09	24.10	24.07	25.00
	Channel			648668	656000	663332	Tune-up limit
	Frequency (MHz)			3730.02	3840	3949.98	(dBm)
60	QPSK	1	1	24.12	24.09	24.06	25.00
	Channel			648334	656000	663666	Tune-up limit
	Frequency (MHz)			3725.01	3840	3954.99	(dBm)
50	QPSK	1	1	24.04	23.97	23.98	25.00
	Channel			648000	656000	664000	Tune-up limit
	Frequency (MHz)			3720	3840	3960	(dBm)
40	QPSK	1	1	24.03	24.05	24.04	25.00
	Channel			647668	656000	664332	Tune-up limit
	Frequency (MHz)			3715.02	3840	3964.98	(dBm)
30	QPSK	1	1	24.03	23.96	24.01	25.00
	Channel			647500	656000	664500	Tune-up limit
	Frequency (MHz)			3712.5	3840	3967.5	(dBm)
25	QPSK	1	1	24.05	23.97	23.96	25.00
	Channel			647334	656000	664666	Tune-up limit
	Frequency (MHz)			3710.01	3840	3969.99	(dBm)
20	QPSK	1	1	24.11	24.10	24.08	25.00
	Channel			647168	656000	664832	Tune-up limit

Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	QPSK	1	1	24.09	24.04	24.02	25.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	QPSK	1	1	24.10	24.08	24.04	25.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_ECI 6】

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		15.34		15.70
100	PI/2 BPSK	1	137		15.34		15.70
100	PI/2 BPSK	1	271		15.17		15.70
100	PI/2 BPSK	135	0		15.39		15.70
100	PI/2 BPSK	135	69		15.28		15.70
100	PI/2 BPSK	135	138		15.23		15.70
100	PI/2 BPSK	270	0		15.27		15.70
100	QPSK	1	1		15.27		15.70
100	QPSK	1	137		15.30		15.70
100	QPSK	1	271		15.11		15.70
100	QPSK	135	0		15.39		15.70
100	QPSK	135	69		15.31		15.70
100	QPSK	135	138		15.28		15.70
100	QPSK	270	0		15.31		15.70
100	16QAM	1	1		15.58		15.70
100	64QAM	1	1		15.35		15.70
100	256QAM	1	1		15.67		15.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.31	15.30	15.28	15.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.18	15.19	15.14	15.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.21	15.15	15.20	15.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.21	15.18	15.18	15.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.28	15.27	15.26	15.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.18	15.20	15.14	15.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.17	15.27	15.17	15.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.17	15.22	15.18	15.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.19	15.23	15.22	15.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.26	15.29	15.21	15.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.19	15.23	15.19	15.70

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_Ant 6_ECI 6】

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	15.19	15.11	15.19	15.70
100	PI/2 BPSK	1	137	15.12	15.13	15.19	15.70
100	PI/2 BPSK	1	271	15.17	15.18	15.17	15.70

100	PI/2 BPSK	135	0	15.18	15.12	15.14	15.70
100	PI/2 BPSK	135	69	15.15	15.10	15.14	15.70
100	PI/2 BPSK	135	138	15.15	15.20	15.19	15.70
100	PI/2 BPSK	270	0	15.11	15.13	15.15	15.70
100	QPSK	1	1	15.11	15.10	15.12	15.70
100	QPSK	1	137	15.14	15.10	15.12	15.70
100	QPSK	1	271	15.10	15.12	15.18	15.70
100	QPSK	135	0	15.15	15.10	15.13	15.70
100	QPSK	135	69	15.13	15.10	15.10	15.70
100	QPSK	135	138	15.19	15.20	15.14	15.70
100	QPSK	270	0	15.18	15.13	15.18	15.70
100	16QAM	1	1	15.19	15.29	15.19	15.70
100	64QAM	1	1	15.13	15.10	15.15	15.70
100	256QAM	1	1	15.19	15.39	15.17	15.70
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	15.16	15.15	15.14	15.70
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	15.15	15.11	15.11	15.70
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	15.14	15.16	15.15	15.70
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	15.15	15.13	15.10	15.70
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	15.14	15.11	15.15	15.70
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	15.16	15.10	15.15	15.70
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	15.16	15.11	15.18	15.70
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	15.16	15.13	15.18	15.70
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	15.18	15.10	15.12	15.70
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	15.15	15.12	15.11	15.70
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	15.13	15.11	15.10	15.70

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 6_ECI 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					633332		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.34		17.10
100	PI/2 BPSK	1	137		15.34		17.10
100	PI/2 BPSK	1	271		15.17		17.10
100	PI/2 BPSK	135	0		15.39		17.10
100	PI/2 BPSK	135	69		15.28		17.10
100	PI/2 BPSK	135	138		15.23		17.10
100	PI/2 BPSK	270	0		15.27		17.10
100	QPSK	1	1		15.27		17.10
100	QPSK	1	137		15.30		17.10
100	QPSK	1	271		15.11		17.10
100	QPSK	135	0		15.39		17.10
100	QPSK	135	69		15.31		17.10
100	QPSK	135	138		15.28		17.10
100	QPSK	270	0		15.31		17.10
100	16QAM	1	1		15.58		17.10
100	64QAM	1	1		15.35		17.10
100	256QAM	1	1		15.67		17.10
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.31	15.30	15.28	17.10
Channel				632668	633332	634000	Tune-up limit

	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.18	15.19	15.14	17.10
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.21	15.15	15.20	17.10
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.21	15.18	15.18	17.10
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.28	15.27	15.26	17.10
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.18	15.20	15.14	17.10
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.17	15.27	15.17	17.10
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.17	15.22	15.18	17.10
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.19	15.23	15.22	17.10
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.26	15.29	15.21	17.10
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.19	15.23	15.19	17.10

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 6_ECI 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			650000	656000	662000	
	Frequency (MHz)			3750	3840	3930	
100	PI/2 BPSK	1	1	15.19	15.11	15.19	17.10
100	PI/2 BPSK	1	137	15.12	15.13	15.19	17.10
100	PI/2 BPSK	1	271	15.17	15.18	15.17	17.10
100	PI/2 BPSK	135	0	15.18	15.12	15.14	17.10
100	PI/2 BPSK	135	69	15.15	15.10	15.14	17.10
100	PI/2 BPSK	135	138	15.15	15.20	15.19	17.10
100	PI/2 BPSK	270	0	15.11	15.13	15.15	17.10
100	QPSK	1	1	15.11	15.10	15.12	17.10
100	QPSK	1	137	15.14	15.10	15.12	17.10
100	QPSK	1	271	15.10	15.12	15.18	17.10
100	QPSK	135	0	15.15	15.10	15.13	17.10
100	QPSK	135	69	15.13	15.10	15.10	17.10
100	QPSK	135	138	15.19	15.20	15.14	17.10
100	QPSK	270	0	15.18	15.13	15.18	17.10
100	16QAM	1	1	15.19	15.29	15.19	17.10
100	64QAM	1	1	15.13	15.10	15.15	17.10
100	256QAM	1	1	15.19	15.39	15.17	17.10
	Channel			649668	656000	662332	Tune-up limit
	Frequency (MHz)			3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	15.16	15.15	15.14	17.10
	Channel			649334	656000	662666	Tune-up limit
	Frequency (MHz)			3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	15.15	15.11	15.11	17.10
	Channel			649000	656000	663000	Tune-up limit
	Frequency (MHz)			3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	15.14	15.16	15.15	17.10
	Channel			648668	656000	663332	Tune-up limit
	Frequency (MHz)			3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	15.15	15.13	15.10	17.10
	Channel			648334	656000	663666	Tune-up limit
	Frequency (MHz)			3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	15.14	15.11	15.15	17.10
	Channel			648000	656000	664000	Tune-up limit
	Frequency (MHz)			3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	15.16	15.10	15.15	17.10
	Channel			647668	656000	664332	Tune-up limit
	Frequency (MHz)			3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	15.16	15.11	15.18	17.10
	Channel			647500	656000	664500	Tune-up limit

	Frequency (MHz)			3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	15.16	15.13	15.18	17.10
	Channel			647334	656000	664666	Tune-up limit
	Frequency (MHz)			3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	15.18	15.10	15.12	17.10
	Channel			647168	656000	664832	Tune-up limit
	Frequency (MHz)			3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	15.15	15.12	15.11	17.10
	Channel			647000	656000	665000	Tune-up limit
	Frequency (MHz)			3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	15.13	15.11	15.10	17.10

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 6_ECI 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				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		15.34		15.70
100	PI/2 BPSK	1	137		15.34		15.70
100	PI/2 BPSK	1	271		15.17		15.70
100	PI/2 BPSK	135	0		15.39		15.70
100	PI/2 BPSK	135	69		15.28		15.70
100	PI/2 BPSK	135	138		15.23		15.70
100	PI/2 BPSK	270	0		15.27		15.70
100	QPSK	1	1		15.27		15.70
100	QPSK	1	137		15.30		15.70
100	QPSK	1	271		15.11		15.70
100	QPSK	135	0		15.39		15.70
100	QPSK	135	69		15.31		15.70
100	QPSK	135	138		15.28		15.70
100	QPSK	270	0		15.31		15.70
100	16QAM	1	1		15.58		15.70
100	64QAM	1	1		15.35		15.70
100	256QAM	1	1		15.67		15.70
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.31	15.30	15.28	15.70
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.18	15.19	15.14	15.70
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.21	15.15	15.20	15.70
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.21	15.18	15.18	15.70
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.28	15.27	15.26	15.70
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.18	15.20	15.14	15.70
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.17	15.27	15.17	15.70
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.17	15.22	15.18	15.70
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.19	15.23	15.22	15.70
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.26	15.29	15.21	15.70
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.19	15.23	15.19	15.70

【FR1 n77 (27O) _FCC_Part 27O (3700~3980MHz)_Ant 6_ECI 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
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Channel				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	
Frequency (MHz)				650000	656000	662000	
				3750	3840	3930	
100	PI/2 BPSK	1	1	15.19	15.11	15.19	15.70
100	PI/2 BPSK	1	137	15.12	15.13	15.19	15.70
100	PI/2 BPSK	1	271	15.17	15.18	15.17	15.70
100	PI/2 BPSK	135	0	15.18	15.12	15.14	15.70
100	PI/2 BPSK	135	69	15.15	15.10	15.14	15.70
100	PI/2 BPSK	135	138	15.15	15.20	15.19	15.70
100	PI/2 BPSK	270	0	15.11	15.13	15.15	15.70
100	QPSK	1	1	15.11	15.10	15.12	15.70
100	QPSK	1	137	15.14	15.10	15.12	15.70
100	QPSK	1	271	15.10	15.12	15.18	15.70
100	QPSK	135	0	15.15	15.10	15.13	15.70
100	QPSK	135	69	15.13	15.10	15.10	15.70
100	QPSK	135	138	15.19	15.20	15.14	15.70
100	QPSK	270	0	15.18	15.13	15.18	15.70
100	16QAM	1	1	15.19	15.29	15.19	15.70
100	64QAM	1	1	15.13	15.10	15.15	15.70
100	256QAM	1	1	15.19	15.39	15.17	15.70
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	15.16	15.15	15.14	15.70
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	15.15	15.11	15.11	15.70
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	15.14	15.16	15.15	15.70
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	15.15	15.13	15.10	15.70
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	15.14	15.11	15.15	15.70
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	15.16	15.10	15.15	15.70
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	15.16	15.11	15.18	15.70
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	15.16	15.13	15.18	15.70
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	15.18	15.10	15.12	15.70
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	15.15	15.12	15.11	15.70
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	15.13	15.11	15.10	15.70

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.20		27.10
100	PI/2 BPSK	1	137		26.19		27.10
100	PI/2 BPSK	1	271		26.16		27.10
100	PI/2 BPSK	135	0		24.69		26.60
100	PI/2 BPSK	135	69		26.14		27.10
100	PI/2 BPSK	135	138		24.69		26.60
100	PI/2 BPSK	270	0		24.64		26.60
100	QPSK	1	1		26.21		27.10

100	QPSK	1	137		26.22		27.10
100	QPSK	1	271		26.21		27.10
100	QPSK	135	0		24.22		26.10
100	QPSK	135	69		26.21		27.10
100	QPSK	135	138		24.25		26.10
100	QPSK	270	0		24.21		26.10
100	16QAM	1	1		25.18		26.10
100	64QAM	1	1		23.73		24.60
100	256QAM	1	1		21.95		22.60
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.11	26.15	26.05	27.10
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.08	26.01	26.04	27.10
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.08	26.05	25.96	27.10
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.99	26.00	25.93	27.10
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.00	26.11	26.02	27.10
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.98	26.00	25.98	27.10
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.02	26.00	25.91	27.10
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.02	26.12	25.91	27.10
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.08	26.03	25.96	27.10
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.08	26.11	26.02	27.10
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.07	26.10	26.00	27.10

【FR1 n77 (270) _ FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	26.03	26.07	25.92	27.10
100	PI/2 BPSK	1	137	25.92	26.06	25.85	27.10
100	PI/2 BPSK	1	271	25.86	26.00	25.74	27.10
100	PI/2 BPSK	135	0	24.52	24.63	24.37	25.60
100	PI/2 BPSK	135	69	26.00	26.07	25.78	27.10
100	PI/2 BPSK	135	138	24.53	24.60	24.38	25.60
100	PI/2 BPSK	270	0	24.54	24.60	24.39	25.60
100	QPSK	1	1	25.99	26.10	25.87	27.10
100	QPSK	1	137	26.03	26.15	25.91	27.10
100	QPSK	1	271	25.95	26.04	25.80	27.10
100	QPSK	135	0	24.04	24.15	23.97	25.10
100	QPSK	135	69	25.99	26.15	25.91	27.10
100	QPSK	135	138	24.00	24.14	23.92	25.10
100	QPSK	270	0	23.94	24.10	23.83	25.10
100	16QAM	1	1	24.92	25.06	24.77	26.10
100	64QAM	1	1	23.50	23.58	23.34	24.60
100	256QAM	1	1	21.67	21.79	21.62	22.60
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.93	25.92	25.81	27.10
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.95	26.01	25.91	27.10
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.97	26.00	25.86	27.10

Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	26.01	26.03	25.83	27.10
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.88	25.95	25.87	27.10
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	26.01	26.04	25.90	27.10
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	26.01	25.97	25.81	27.10
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	25.98	26.01	25.78	27.10
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	26.02	26.03	25.78	27.10
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	26.00	25.98	25.89	27.10
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.91	26.05	25.78	27.10

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.20		27.10
100	PI/2 BPSK	1	137		26.19		27.10
100	PI/2 BPSK	1	271		26.16		27.10
100	PI/2 BPSK	135	0		24.69		26.60
100	PI/2 BPSK	135	69		26.14		27.10
100	PI/2 BPSK	135	138		24.69		26.60
100	PI/2 BPSK	270	0		24.64		26.60
100	QPSK	1	1		26.21		27.10
100	QPSK	1	137		26.22		27.10
100	QPSK	1	271		26.21		27.10
100	QPSK	135	0		24.22		26.10
100	QPSK	135	69		26.21		27.10
100	QPSK	135	138		24.25		26.10
100	QPSK	270	0		24.21		26.10
100	16QAM	1	1		25.18		26.10
100	64QAM	1	1		23.73		24.60
100	256QAM	1	1		21.95		22.60
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.11	26.15	26.05	27.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.08	26.01	26.04	27.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.08	26.05	25.96	27.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.99	26.00	25.93	27.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.00	26.11	26.02	27.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.98	26.00	25.98	27.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.02	26.00	25.91	27.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.02	26.12	25.91	27.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	26.08	26.03	25.96	27.10

Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	26.08	26.11	26.02	27.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.07	26.10	26.00	27.10

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_ECI 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				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	26.03	26.07	25.92	27.10
100	PI/2 BPSK	1	137	25.92	26.06	25.85	27.10
100	PI/2 BPSK	1	271	25.86	26.00	25.74	27.10
100	PI/2 BPSK	135	0	24.52	24.63	24.37	25.60
100	PI/2 BPSK	135	69	26.00	26.07	25.78	27.10
100	PI/2 BPSK	135	138	24.53	24.60	24.38	25.60
100	PI/2 BPSK	270	0	24.54	24.60	24.39	25.60
100	QPSK	1	1	25.99	26.10	25.87	27.10
100	QPSK	1	137	26.03	26.15	25.91	27.10
100	QPSK	1	271	25.95	26.04	25.80	27.10
100	QPSK	135	0	24.04	24.15	23.97	25.10
100	QPSK	135	69	25.99	26.15	25.91	27.10
100	QPSK	135	138	24.00	24.14	23.92	25.10
100	QPSK	270	0	23.94	24.10	23.83	25.10
100	16QAM	1	1	24.92	25.06	24.77	26.10
100	64QAM	1	1	23.50	23.58	23.34	24.60
100	256QAM	1	1	21.67	21.79	21.62	22.60
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.93	25.92	25.81	27.10
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.95	26.01	25.91	27.10
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.97	26.00	25.86	27.10
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	26.01	26.03	25.83	27.10
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.88	25.95	25.87	27.10
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	26.01	26.04	25.90	27.10
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	26.01	25.97	25.81	27.10
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	25.98	26.01	25.78	27.10
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	26.02	26.03	25.78	27.10
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	26.00	25.98	25.89	27.10
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.91	26.05	25.78	27.10

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_ECI 6】

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		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.50		18.70
100	PI/2 BPSK	1	137		18.52		18.70

100	PI/2 BPSK	1	271		18.42		18.70
100	PI/2 BPSK	135	0		18.43		18.70
100	PI/2 BPSK	135	69		18.45		18.70
100	PI/2 BPSK	135	138		18.44		18.70
100	PI/2 BPSK	270	0		18.47		18.70
100	QPSK	1	1		18.47		18.70
100	QPSK	1	137		18.48		18.70
100	QPSK	1	271		18.39		18.70
100	QPSK	135	0		18.53		18.70
100	QPSK	135	69		18.52		18.70
100	QPSK	135	138		18.51		18.70
100	QPSK	270	0		18.52		18.70
100	16QAM	1	1		18.14		18.70
100	64QAM	1	1		18.44		18.70
100	256QAM	1	1		18.50		18.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.34	18.46	18.44	18.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.31	18.37	18.31	18.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.21	18.34	18.29	18.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.22	18.38	18.43	18.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.33	18.35	18.40	18.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.20	18.31	18.33	18.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.24	18.41	18.33	18.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.32	18.43	18.35	18.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.26	18.36	18.41	18.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	18.21	18.35	18.36	18.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.26	18.36	18.38	18.70

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_ECI 6】

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	18.47	18.49	18.23	18.70
100	PI/2 BPSK	1	137	18.33	18.43	18.16	18.70
100	PI/2 BPSK	1	271	18.22	18.25	18.10	18.70
100	PI/2 BPSK	135	0	18.40	18.44	18.11	18.70
100	PI/2 BPSK	135	69	18.24	18.34	18.20	18.70
100	PI/2 BPSK	135	138	18.32	18.36	18.14	18.70
100	PI/2 BPSK	270	0	18.38	18.42	18.11	18.70
100	QPSK	1	1	18.36	18.44	18.14	18.70
100	QPSK	1	137	18.33	18.40	18.15	18.70
100	QPSK	1	271	18.19	18.23	18.16	18.70
100	QPSK	135	0	18.42	18.52	18.20	18.70
100	QPSK	135	69	18.41	18.45	18.23	18.70
100	QPSK	135	138	18.27	18.43	18.14	18.70
100	QPSK	270	0	18.44	18.47	18.21	18.70
100	16QAM	1	1	18.21	18.13	18.23	18.70
100	64QAM	1	1	18.45	18.48	18.19	18.70
100	256QAM	1	1	18.39	18.44	18.16	18.70
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	18.34	18.36	18.10	18.70

Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	18.40	18.43	18.21	18.70
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	18.40	18.40	18.16	18.70
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	18.37	18.44	18.15	18.70
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	18.44	18.44	18.14	18.70
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	18.33	18.41	18.17	18.70
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	18.40	18.42	18.18	18.70
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	18.34	18.46	18.18	18.70
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	18.36	18.37	18.10	18.70
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	18.35	18.42	18.21	18.70
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	18.47	18.49	18.23	18.70

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.50		20.10
100	PI/2 BPSK	1	137		18.52		20.10
100	PI/2 BPSK	1	271		18.42		20.10
100	PI/2 BPSK	135	0		18.43		20.10
100	PI/2 BPSK	135	69		18.45		20.10
100	PI/2 BPSK	135	138		18.44		20.10
100	PI/2 BPSK	270	0		18.47		20.10
100	QPSK	1	1		18.47		20.10
100	QPSK	1	137		18.48		20.10
100	QPSK	1	271		18.39		20.10
100	QPSK	135	0		18.53		20.10
100	QPSK	135	69		18.52		20.10
100	QPSK	135	138		18.51		20.10
100	QPSK	270	0		18.52		20.10
100	16QAM	1	1		18.14		20.10
100	64QAM	1	1		18.44		20.10
100	256QAM	1	1		18.50		20.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.34	18.46	18.44	20.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.31	18.37	18.31	20.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.21	18.34	18.29	20.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.22	18.38	18.43	20.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.33	18.35	18.40	20.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.20	18.31	18.33	20.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.24	18.41	18.33	20.10

Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.32	18.43	18.35	20.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.26	18.36	18.41	20.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	18.21	18.35	18.36	20.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.26	18.36	18.38	20.10

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.47	18.49	18.23	20.10
100	PI/2 BPSK	1	137	18.33	18.43	18.16	20.10
100	PI/2 BPSK	1	271	18.22	18.25	18.10	20.10
100	PI/2 BPSK	135	0	18.40	18.44	18.11	20.10
100	PI/2 BPSK	135	69	18.24	18.34	18.20	20.10
100	PI/2 BPSK	135	138	18.32	18.36	18.14	20.10
100	PI/2 BPSK	270	0	18.38	18.42	18.11	20.10
100	QPSK	1	1	18.36	18.44	18.14	20.10
100	QPSK	1	137	18.33	18.40	18.15	20.10
100	QPSK	1	271	18.19	18.23	18.16	20.10
100	QPSK	135	0	18.42	18.52	18.20	20.10
100	QPSK	135	69	18.41	18.45	18.23	20.10
100	QPSK	135	138	18.27	18.43	18.14	20.10
100	QPSK	270	0	18.44	18.47	18.21	20.10
100	16QAM	1	1	18.21	18.13	18.23	20.10
100	64QAM	1	1	18.45	18.48	18.19	20.10
100	256QAM	1	1	18.39	18.44	18.16	20.10
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	18.34	18.36	18.10	20.10
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	18.40	18.43	18.21	20.10
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	18.40	18.40	18.16	20.10
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	18.37	18.44	18.15	20.10
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	18.44	18.44	18.14	20.10
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	18.33	18.41	18.17	20.10
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	18.40	18.42	18.18	20.10
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	18.34	18.46	18.18	20.10
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	18.36	18.37	18.10	20.10
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	18.35	18.42	18.21	20.10
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	18.45	18.39	18.14	20.10

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_ECI 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit
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				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.	(dBm)
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
100	PI/2 BPSK	1	1	18.34	18.46	18.44	18.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.31	18.37	18.31	18.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.21	18.34	18.29	18.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.22	18.38	18.43	18.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.33	18.35	18.40	18.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.20	18.31	18.33	18.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.24	18.41	18.33	18.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.32	18.43	18.35	18.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.26	18.36	18.41	18.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	18.21	18.35	18.36	18.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.26	18.36	18.38	18.70

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.47	18.49	18.23	18.70
100	PI/2 BPSK	1	137	18.33	18.43	18.16	18.70
100	PI/2 BPSK	1	271	18.22	18.25	18.10	18.70
100	PI/2 BPSK	135	0	18.40	18.44	18.11	18.70
100	PI/2 BPSK	135	69	18.24	18.34	18.20	18.70
100	PI/2 BPSK	135	138	18.32	18.36	18.14	18.70
100	PI/2 BPSK	270	0	18.38	18.42	18.11	18.70
100	QPSK	1	1	18.36	18.44	18.14	18.70
100	QPSK	1	137	18.33	18.40	18.15	18.70
100	QPSK	1	271	18.19	18.23	18.16	18.70
100	QPSK	135	0	18.42	18.52	18.20	18.70
100	QPSK	135	69	18.41	18.45	18.23	18.70
100	QPSK	135	138	18.27	18.43	18.14	18.70
100	QPSK	270	0	18.44	18.47	18.21	18.70

100	16QAM	1	1	18.21	18.13	18.23	18.70
100	64QAM	1	1	18.45	18.48	18.19	18.70
100	256QAM	1	1	18.39	18.44	18.16	18.70
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	18.34	18.36	18.10	18.70
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	18.40	18.43	18.21	18.70
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	18.40	18.40	18.16	18.70
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	18.37	18.44	18.15	18.70
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	18.44	18.44	18.14	18.70
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	18.33	18.41	18.17	18.70
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	18.40	18.42	18.18	18.70
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	18.34	18.46	18.18	18.70
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	18.36	18.37	18.10	18.70
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	18.35	18.42	18.21	18.70
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	18.47	18.49	18.23	18.70

【FR1 n77 (27Q) _ FCC_Part 27Q (3450~3550MHz)_Ant 7 _ ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.98		24.40
100	PI/2 BPSK	1	137		23.96		24.40
100	PI/2 BPSK	1	271		23.83		24.40
100	PI/2 BPSK	135	0		23.40		23.40
100	PI/2 BPSK	135	69		23.89		24.40
100	PI/2 BPSK	135	138		23.36		23.40
100	PI/2 BPSK	270	0		23.39		23.40
100	QPSK	1	1		23.93		24.60
100	QPSK	1	137		23.93		24.60
100	QPSK	1	271		23.80		24.60
100	QPSK	135	0		22.96		23.60
100	QPSK	135	69		23.91		24.60
100	QPSK	135	138		22.86		23.60
100	QPSK	270	0		22.91		23.60
100	16QAM	1	1		23.22		23.60
100	64QAM	1	1		21.49		22.10
100	256QAM	1	1		19.79		20.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	23.90	23.92	23.90	24.60
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	QPSK	1	1	23.81	23.86	23.84	24.60
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)

70	QPSK	1	1	23.84	23.81	23.79	24.60
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	23.88	23.78	23.87	24.60
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	23.80	23.80	23.86	24.60
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	23.89	23.78	23.78	24.60
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	23.77	23.79	23.78	24.60
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	23.76	23.77	23.86	24.60
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	23.88	23.82	23.87	24.60
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	23.83	23.88	23.87	24.60
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	23.82	23.83	23.81	24.60

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_Ant 7 _ECI 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				650000	656000	662000	Tune-up limit
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.66	23.69	23.57	24.40
100	PI/2 BPSK	1	137	23.60	23.68	23.52	24.40
100	PI/2 BPSK	1	271	23.41	23.57	23.39	24.40
100	PI/2 BPSK	135	0	23.09	23.18	22.95	23.40
100	PI/2 BPSK	135	69	23.47	23.60	23.38	24.40
100	PI/2 BPSK	135	138	23.00	23.06	22.90	23.40
100	PI/2 BPSK	270	0	23.03	23.09	22.96	23.40
100	QPSK	1	1	23.59	23.71	23.38	24.60
100	QPSK	1	137	23.55	23.63	23.39	24.60
100	QPSK	1	271	23.43	23.53	23.26	24.60
100	QPSK	135	0	22.56	22.69	22.55	23.60
100	QPSK	135	69	23.45	23.70	23.45	24.60
100	QPSK	135	138	22.50	22.60	22.40	23.60
100	QPSK	270	0	22.47	22.61	22.35	23.60
100	16QAM	1	1	22.80	22.88	22.65	23.60
100	64QAM	1	1	21.06	21.17	20.93	22.10
100	256QAM	1	1	19.35	19.48	19.30	20.10
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	QPSK	1	1	23.55	23.62	23.49	24.60
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	QPSK	1	1	23.54	23.59	23.43	24.60
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	QPSK	1	1	23.54	23.68	23.43	24.60
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	QPSK	1	1	23.60	23.56	23.43	24.60
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	QPSK	1	1	23.64	23.67	23.50	24.60
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	QPSK	1	1	23.57	23.66	23.42	24.60
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	QPSK	1	1	23.63	23.54	23.55	24.60
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	QPSK	1	1	23.59	23.59	23.48	24.60
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)

20	QPSK	1	1	23.58	23.63	23.46	24.60
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	23.53	23.62	23.46	24.60
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	23.51	23.64	23.52	24.60

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 7 _ECI 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					633332		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.01		23.20
100	PI/2 BPSK	1	137		22.00		23.20
100	PI/2 BPSK	1	271		21.76		23.20
100	PI/2 BPSK	135	0		22.00		23.20
100	PI/2 BPSK	135	69		21.95		23.20
100	PI/2 BPSK	135	138		21.90		23.20
100	PI/2 BPSK	270	0		21.95		23.20
100	QPSK	1	1		21.94		23.20
100	QPSK	1	137		21.96		23.20
100	QPSK	1	271		21.73		23.20
100	QPSK	135	0		21.98		23.20
100	QPSK	135	69		21.99		23.20
100	QPSK	135	138		21.90		23.20
100	QPSK	270	0		21.95		23.20
100	16QAM	1	1		22.23		23.20
100	64QAM	1	1		21.56		22.10
100	256QAM	1	1		19.85		20.10
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.93	21.96	21.94	23.20
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.82	21.92	21.84	23.20
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.87	21.89	21.87	23.20
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.86	21.88	21.84	23.20
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.79	21.81	21.83	23.20
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.81	21.94	21.89	23.20
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.87	21.90	21.87	23.20
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.90	21.81	21.82	23.20
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.81	21.95	21.80	23.20
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.86	21.87	21.83	23.20
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.82	21.91	21.86	23.20

【FR1 n77 (27O) _FCC_Part 27O (3700~3980MHz)_Ant 7 _ECI 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				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.80	21.80	21.80	23.20

100	PI/2 BPSK	1	137	21.72	21.78	21.78	23.20
100	PI/2 BPSK	1	271	21.49	21.58	21.56	23.20
100	PI/2 BPSK	135	0	21.72	21.77	21.75	23.20
100	PI/2 BPSK	135	69	21.71	21.73	21.68	23.20
100	PI/2 BPSK	135	138	21.69	21.66	21.69	23.20
100	PI/2 BPSK	270	0	21.75	21.76	21.66	23.20
100	QPSK	1	1	21.73	21.77	21.66	23.20
100	QPSK	1	137	21.73	21.72	21.74	23.20
100	QPSK	1	271	21.53	21.53	21.53	23.20
100	QPSK	135	0	21.76	21.79	21.72	23.20
100	QPSK	135	69	21.72	21.75	21.69	23.20
100	QPSK	135	138	21.60	21.72	21.70	23.20
100	QPSK	270	0	21.74	21.72	21.75	23.20
100	16QAM	1	1	21.95	22.08	21.97	23.20
100	64QAM	1	1	21.29	21.38	21.27	22.10
100	256QAM	1	1	19.56	19.64	19.65	20.10
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	21.67	21.70	21.77	23.20
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	21.69	21.67	21.71	23.20
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	21.77	21.78	21.67	23.20
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	21.69	21.70	21.71	23.20
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	21.72	21.70	21.79	23.20
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	21.72	21.66	21.72	23.20
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	21.73	21.79	21.73	23.20
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	21.75	21.74	21.77	23.20
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	21.77	21.66	21.70	23.20
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	21.71	21.75	21.71	23.20
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	21.76	21.78	21.76	23.20

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 7 _ECI 6】

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		14.97		15.10
100	PI/2 BPSK	1	137		14.98		15.10
100	PI/2 BPSK	1	271		14.87		15.10
100	PI/2 BPSK	135	0		14.99		15.10
100	PI/2 BPSK	135	69		14.94		15.10
100	PI/2 BPSK	135	138		14.89		15.10
100	PI/2 BPSK	270	0		14.94		15.10
100	QPSK	1	1		14.92		15.10
100	QPSK	1	137		14.95		15.10
100	QPSK	1	271		14.83		15.10
100	QPSK	135	0		15.00		15.10
100	QPSK	135	69		14.95		15.10
100	QPSK	135	138		14.91		15.10
100	QPSK	270	0		14.98		15.10
100	16QAM	1	1		14.91		15.10
100	64QAM	1	1		14.99		15.10
100	256QAM	1	1		15.02		15.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)

90	PI/2 BPSK	1	1	14.96	14.97	14.95	15.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.92	14.95	14.83	15.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.86	14.90	14.90	15.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.82	14.96	14.92	15.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.84	14.90	14.89	15.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.90	14.88	14.82	15.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.84	14.87	14.94	15.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.94	14.83	14.84	15.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.82	14.89	14.85	15.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.83	14.90	14.89	15.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.84	14.90	14.82	15.10

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 7_ECI 6】

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	14.73	14.81	14.70	15.10
100	PI/2 BPSK	1	137	14.55	14.74	14.54	15.10
100	PI/2 BPSK	1	271	14.54	14.71	14.54	15.10
100	PI/2 BPSK	135	0	14.60	14.81	14.65	15.10
100	PI/2 BPSK	135	69	14.50	14.68	14.52	15.10
100	PI/2 BPSK	135	138	14.53	14.65	14.50	15.10
100	PI/2 BPSK	270	0	14.55	14.69	14.56	15.10
100	QPSK	1	1	14.58	14.74	14.53	15.10
100	QPSK	1	137	14.57	14.70	14.52	15.10
100	QPSK	1	271	14.58	14.66	14.55	15.10
100	QPSK	135	0	14.72	14.84	14.66	15.10
100	QPSK	135	69	14.54	14.71	14.56	15.10
100	QPSK	135	138	14.59	14.68	14.57	15.10
100	QPSK	270	0	14.50	14.72	14.56	15.10
100	16QAM	1	1	14.71	15.01	14.70	15.10
100	64QAM	1	1	14.65	14.77	14.56	15.10
100	256QAM	1	1	14.72	15.10	14.70	15.10
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	14.56	14.58	14.58	15.10
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	14.50	14.65	14.59	15.10
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	14.61	14.68	14.58	15.10
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	14.57	14.61	14.52	15.10
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	14.54	14.56	14.58	15.10
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	14.61	14.69	14.57	15.10
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)

30	PI/2 BPSK	1	1	14.59	14.67	14.55	15.10
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	14.59	14.59	14.54	15.10
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	14.61	14.59	14.58	15.10
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	14.57	14.57	14.56	15.10
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	14.56	14.61	14.56	15.10

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_Ant 7_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.97		16.50
100	PI/2 BPSK	1	137		14.98		16.50
100	PI/2 BPSK	1	271		14.87		16.50
100	PI/2 BPSK	135	0		14.99		16.50
100	PI/2 BPSK	135	69		14.94		16.50
100	PI/2 BPSK	135	138		14.89		16.50
100	PI/2 BPSK	270	0		14.94		16.50
100	QPSK	1	1		14.92		16.50
100	QPSK	1	137		14.95		16.50
100	QPSK	1	271		14.83		16.50
100	QPSK	135	0		15.00		16.50
100	QPSK	135	69		14.95		16.50
100	QPSK	135	138		14.91		16.50
100	QPSK	270	0		14.98		16.50
100	16QAM	1	1		14.91		16.50
100	64QAM	1	1		14.99		16.50
100	256QAM	1	1		15.02		16.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.96	14.97	14.95	16.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.92	14.95	14.83	16.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.86	14.90	14.90	16.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.82	14.96	14.92	16.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.84	14.90	14.89	16.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.90	14.88	14.82	16.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.84	14.87	14.94	16.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.94	14.83	14.84	16.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.82	14.89	14.85	16.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.83	14.90	14.89	16.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.84	14.90	14.82	16.50

【FR1 n77 (27Q) FCC_Part 27Q (3700~3980MHz)_Ant 7_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.73	14.81	14.70	16.50
100	PI/2 BPSK	1	137	14.55	14.74	14.54	16.50
100	PI/2 BPSK	1	271	14.54	14.71	14.54	16.50
100	PI/2 BPSK	135	0	14.60	14.81	14.65	16.50
100	PI/2 BPSK	135	69	14.50	14.68	14.52	16.50
100	PI/2 BPSK	135	138	14.53	14.65	14.50	16.50
100	PI/2 BPSK	270	0	14.55	14.69	14.56	16.50
100	QPSK	1	1	14.58	14.74	14.53	16.50
100	QPSK	1	137	14.57	14.70	14.52	16.50
100	QPSK	1	271	14.58	14.66	14.55	16.50
100	QPSK	135	0	14.72	14.84	14.66	16.50
100	QPSK	135	69	14.54	14.71	14.56	16.50
100	QPSK	135	138	14.59	14.68	14.57	16.50
100	QPSK	270	0	14.50	14.72	14.56	16.50
100	16QAM	1	1	14.71	15.01	14.70	16.50
100	64QAM	1	1	14.65	14.77	14.56	16.50
100	256QAM	1	1	14.72	15.10	14.70	16.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	14.56	14.58	14.58	16.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	14.50	14.65	14.59	16.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	14.61	14.68	14.58	16.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	14.57	14.61	14.52	16.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	14.54	14.56	14.58	16.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	14.61	14.69	14.57	16.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	14.59	14.67	14.55	16.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	14.59	14.59	14.54	16.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	14.61	14.59	14.58	16.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	14.57	14.57	14.56	16.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	14.56	14.61	14.56	16.50

【FR1 n77 (27Q) _ FCC_Part 27Q (3450~3550MHz)_Ant 7 _ ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.97		15.10
100	PI/2 BPSK	1	137		14.98		15.10
100	PI/2 BPSK	1	271		14.87		15.10
100	PI/2 BPSK	135	0		14.99		15.10
100	PI/2 BPSK	135	69		14.94		15.10
100	PI/2 BPSK	135	138		14.89		15.10
100	PI/2 BPSK	270	0		14.94		15.10
100	QPSK	1	1		14.92		15.10
100	QPSK	1	137		14.95		15.10
100	QPSK	1	271		14.83		15.10
100	QPSK	135	0		15.00		15.10
100	QPSK	135	69		14.95		15.10
100	QPSK	135	138		14.91		15.10

100	QPSK	270	0		14.98		15.10
100	16QAM	1	1		14.91		15.10
100	64QAM	1	1		14.99		15.10
100	256QAM	1	1		15.02		15.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.96	14.97	14.95	15.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.92	14.95	14.83	15.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.86	14.90	14.90	15.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.82	14.96	14.92	15.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.84	14.90	14.89	15.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.90	14.88	14.82	15.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.84	14.87	14.94	15.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.94	14.83	14.84	15.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.82	14.89	14.85	15.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.83	14.90	14.89	15.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.84	14.90	14.82	15.10

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 7_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.73	14.81	14.70	15.10
100	PI/2 BPSK	1	137	14.55	14.74	14.54	15.10
100	PI/2 BPSK	1	271	14.54	14.71	14.54	15.10
100	PI/2 BPSK	135	0	14.60	14.81	14.65	15.10
100	PI/2 BPSK	135	69	14.50	14.68	14.52	15.10
100	PI/2 BPSK	135	138	14.53	14.65	14.50	15.10
100	PI/2 BPSK	270	0	14.55	14.69	14.56	15.10
100	QPSK	1	1	14.58	14.74	14.53	15.10
100	QPSK	1	137	14.57	14.70	14.52	15.10
100	QPSK	1	271	14.58	14.66	14.55	15.10
100	QPSK	135	0	14.72	14.84	14.66	15.10
100	QPSK	135	69	14.54	14.71	14.56	15.10
100	QPSK	135	138	14.59	14.68	14.57	15.10
100	QPSK	270	0	14.50	14.72	14.56	15.10
100	16QAM	1	1	14.71	15.01	14.70	15.10
100	64QAM	1	1	14.65	14.77	14.56	15.10
100	256QAM	1	1	14.72	15.10	14.70	15.10
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	14.56	14.58	14.58	15.10
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	14.50	14.65	14.59	15.10
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	14.61	14.68	14.58	15.10
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	14.57	14.61	14.52	15.10
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)

50	PI/2 BPSK	1	1	14.54	14.56	14.58	15.10
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	14.61	14.69	14.57	15.10
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	14.59	14.67	14.55	15.10
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	14.59	14.59	14.54	15.10
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	14.61	14.59	14.58	15.10
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	14.57	14.57	14.56	15.10
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	14.56	14.61	14.56	15.10

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.74		26.60
100	PI/2 BPSK	1	137		25.76		26.60
100	PI/2 BPSK	1	271		25.71		26.60
100	PI/2 BPSK	135	0		24.10		25.10
100	PI/2 BPSK	135	69		25.56		26.60
100	PI/2 BPSK	135	138		24.13		25.10
100	PI/2 BPSK	270	0		24.17		25.10
100	QPSK	1	1		25.67		26.60
100	QPSK	1	137		25.69		26.60
100	QPSK	1	271		25.65		26.60
100	QPSK	135	0		23.68		24.60
100	QPSK	135	69		25.68		26.60
100	QPSK	135	138		23.69		24.60
100	QPSK	270	0		23.70		24.60
100	16QAM	1	1		24.34		25.60
100	64QAM	1	1		23.50		24.10
100	256QAM	1	1		21.30		22.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.72	25.74	25.65	26.60
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.65	25.69	25.59	26.60
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.66	25.68	25.64	26.60
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.65	25.73	25.58	26.60
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.62	25.59	25.63	26.60
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.63	25.68	25.53	26.60
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.64	25.59	25.50	26.60
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.60	25.67	25.58	26.60
Channel				630668	633332	636000	Tune-up limit

Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.57	25.72	25.61	26.60
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.58	25.65	25.64	26.60
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.66	25.63	25.52	26.60

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Ant 7_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.57	25.55	25.22	26.60
100	PI/2 BPSK	1	137	25.37	25.46	25.09	26.60
100	PI/2 BPSK	1	271	25.21	25.24	24.82	26.60
100	PI/2 BPSK	135	0	23.80	23.90	23.56	25.10
100	PI/2 BPSK	135	69	25.22	25.27	24.85	26.60
100	PI/2 BPSK	135	138	23.72	23.77	23.37	25.10
100	PI/2 BPSK	270	0	23.86	23.87	23.48	25.10
100	QPSK	1	1	25.40	25.48	25.03	26.60
100	QPSK	1	137	25.39	25.42	24.98	26.60
100	QPSK	1	271	25.12	25.17	24.83	26.60
100	QPSK	135	0	23.40	23.49	23.18	24.60
100	QPSK	135	69	25.31	25.39	25.02	26.60
100	QPSK	135	138	23.22	23.35	23.01	24.60
100	QPSK	270	0	23.33	23.42	23.08	24.60
100	16QAM	1	1	24.08	24.16	23.81	25.60
100	64QAM	1	1	23.26	23.32	22.93	24.10
100	256QAM	1	1	21.04	21.10	20.78	22.10
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.54	25.45	25.09	26.60
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.49	25.52	25.15	26.60
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.54	25.43	25.19	26.60
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	25.48	25.47	25.14	26.60
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.48	25.41	25.17	26.60
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	25.43	25.42	25.12	26.60
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	25.53	25.51	25.11	26.60
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	25.52	25.42	25.20	26.60
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	25.45	25.45	25.09	26.60
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	25.43	25.41	25.10	26.60
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.50	25.42	25.08	26.60

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI 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					633332		
Frequency (MHz)					3499.98		

100	PI/2 BPSK	1	1		25.74		26.20
100	PI/2 BPSK	1	137		25.76		26.20
100	PI/2 BPSK	1	271		25.71		26.20
100	PI/2 BPSK	135	0		24.10		25.10
100	PI/2 BPSK	135	69		25.56		26.20
100	PI/2 BPSK	135	138		24.13		25.10
100	PI/2 BPSK	270	0		24.17		25.10
100	QPSK	1	1		25.67		26.20
100	QPSK	1	137		25.69		26.20
100	QPSK	1	271		25.65		26.20
100	QPSK	135	0		23.68		24.60
100	QPSK	135	69		25.68		26.20
100	QPSK	135	138		23.69		24.60
100	QPSK	270	0		23.70		24.60
100	16QAM	1	1		24.34		25.60
100	64QAM	1	1		23.50		24.10
100	256QAM	1	1		21.30		22.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.72	25.74	25.65	26.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.65	25.69	25.59	26.20
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.66	25.68	25.64	26.20
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.65	25.73	25.58	26.20
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.62	25.59	25.63	26.20
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.63	25.68	25.53	26.20
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.64	25.59	25.50	26.20
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.60	25.67	25.58	26.20
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.57	25.72	25.61	26.20
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.58	25.65	25.64	26.20
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.66	25.63	25.52	26.20

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 7_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.57	25.55	25.22	26.20
100	PI/2 BPSK	1	137	25.37	25.46	25.09	26.20
100	PI/2 BPSK	1	271	25.21	25.24	24.82	26.20
100	PI/2 BPSK	135	0	23.80	23.90	23.56	25.10
100	PI/2 BPSK	135	69	25.22	25.27	24.85	26.20
100	PI/2 BPSK	135	138	23.72	23.77	23.37	25.10
100	PI/2 BPSK	270	0	23.86	23.87	23.48	25.10
100	QPSK	1	1	25.40	25.48	25.03	26.20
100	QPSK	1	137	25.39	25.42	24.98	26.20
100	QPSK	1	271	25.12	25.17	24.83	26.20
100	QPSK	135	0	23.40	23.49	23.18	24.60
100	QPSK	135	69	25.31	25.39	25.02	26.20
100	QPSK	135	138	23.22	23.35	23.01	24.60
100	QPSK	270	0	23.33	23.42	23.08	24.60
100	16QAM	1	1	24.08	24.16	23.81	25.60
100	64QAM	1	1	23.26	23.32	22.93	24.10
100	256QAM	1	1	21.04	21.10	20.78	22.10
Channel				649668	656000	662332	Tune-up limit

	Frequency (MHz)			3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.54	25.45	25.09	26.20
	Channel			649334	656000	662666	Tune-up limit
	Frequency (MHz)			3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.49	25.52	25.15	26.20
	Channel			649000	656000	663000	Tune-up limit
	Frequency (MHz)			3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.54	25.43	25.19	26.20
	Channel			648668	656000	663332	Tune-up limit
	Frequency (MHz)			3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	25.48	25.47	25.14	26.20
	Channel			648334	656000	663666	Tune-up limit
	Frequency (MHz)			3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.48	25.41	25.17	26.20
	Channel			648000	656000	664000	Tune-up limit
	Frequency (MHz)			3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	25.43	25.42	25.12	26.20
	Channel			647668	656000	664332	Tune-up limit
	Frequency (MHz)			3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	25.53	25.51	25.11	26.20
	Channel			647500	656000	664500	Tune-up limit
	Frequency (MHz)			3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	25.52	25.42	25.20	26.20
	Channel			647334	656000	664666	Tune-up limit
	Frequency (MHz)			3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	25.45	25.45	25.09	26.20
	Channel			647168	656000	664832	Tune-up limit
	Frequency (MHz)			3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	25.43	25.41	25.10	26.20
	Channel			647000	656000	665000	Tune-up limit
	Frequency (MHz)			3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.50	25.42	25.08	26.20

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI 6】

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		17.65		18.10
100	PI/2 BPSK	1	137		17.68		18.10
100	PI/2 BPSK	1	271		17.64		18.10
100	PI/2 BPSK	135	0		17.63		18.10
100	PI/2 BPSK	135	69		17.58		18.10
100	PI/2 BPSK	135	138		17.65		18.10
100	PI/2 BPSK	270	0		17.68		18.10
100	QPSK	1	1		17.62		18.10
100	QPSK	1	137		17.63		18.10
100	QPSK	1	271		17.60		18.10
100	QPSK	135	0		17.71		18.10
100	QPSK	135	69		17.70		18.10
100	QPSK	135	138		17.70		18.10
100	QPSK	270	0		17.71		18.10
100	16QAM	1	1		17.58		18.10
100	64QAM	1	1		17.96		18.10
100	256QAM	1	1		17.68		18.10
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.56	17.61	17.56	18.10
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.51	17.55	17.55	18.10
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.51	17.56	17.56	18.10
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.51	17.59	17.52	18.10
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.50	17.56	17.57	18.10
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.58	17.61	17.56	18.10
	Channel			631000	633332	635666	Tune-up limit

	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.53	17.50	17.59	18.10
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.58	17.62	17.60	18.10
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.56	17.63	17.64	18.10
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.66	17.56	17.65	18.10
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.51	17.61	17.56	18.10

【FR1 n77 (270) FCC_Part 270 (3700~3980MHz)_HPUE_Ant 7_ECI 6】

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	18.01	17.99	17.69	18.10
100	PI/2 BPSK	1	137	17.83	17.89	17.51	18.10
100	PI/2 BPSK	1	271	17.62	17.69	17.61	18.10
100	PI/2 BPSK	135	0	17.80	17.93	17.62	18.10
100	PI/2 BPSK	135	69	17.81	17.81	17.61	18.10
100	PI/2 BPSK	135	138	17.76	17.80	17.66	18.10
100	PI/2 BPSK	270	0	17.89	17.88	17.63	18.10
100	QPSK	1	1	17.82	17.95	17.52	18.10
100	QPSK	1	137	17.81	17.86	17.50	18.10
100	QPSK	1	271	17.66	17.66	17.68	18.10
100	QPSK	135	0	18.00	18.00	17.59	18.10
100	QPSK	135	69	17.82	17.93	17.50	18.10
100	QPSK	135	138	17.83	17.88	17.57	18.10
100	QPSK	270	0	17.89	17.94	17.61	18.10
100	16QAM	1	1	17.52	17.62	17.61	18.10
100	64QAM	1	1	17.89	17.98	17.54	18.10
100	256QAM	1	1	17.94	17.99	17.67	18.10
	Channel			649668	656000	662332	Tune-up limit
	Frequency (MHz)			3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	17.98	17.87	17.55	18.10
	Channel			649334	656000	662666	Tune-up limit
	Frequency (MHz)			3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	17.92	17.92	17.66	18.10
	Channel			649000	656000	663000	Tune-up limit
	Frequency (MHz)			3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	17.93	17.95	17.55	18.10
	Channel			648668	656000	663332	Tune-up limit
	Frequency (MHz)			3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	17.91	17.85	17.56	18.10
	Channel			648334	656000	663666	Tune-up limit
	Frequency (MHz)			3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	17.95	17.89	17.57	18.10
	Channel			648000	656000	664000	Tune-up limit
	Frequency (MHz)			3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	17.90	17.87	17.64	18.10
	Channel			647668	656000	664332	Tune-up limit
	Frequency (MHz)			3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	17.87	17.95	17.67	18.10
	Channel			647500	656000	664500	Tune-up limit
	Frequency (MHz)			3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	17.91	17.95	17.64	18.10
	Channel			647334	656000	664666	Tune-up limit
	Frequency (MHz)			3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	17.97	17.97	17.57	18.10
	Channel			647168	656000	664832	Tune-up limit
	Frequency (MHz)			3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	17.97	17.95	17.55	18.10
	Channel			647000	656000	665000	Tune-up limit
	Frequency (MHz)			3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	17.95	17.88	17.59	18.10

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.65		19.50
100	PI/2 BPSK	1	137		17.68		19.50
100	PI/2 BPSK	1	271		17.64		19.50
100	PI/2 BPSK	135	0		17.63		19.50
100	PI/2 BPSK	135	69		17.58		19.50
100	PI/2 BPSK	135	138		17.65		19.50
100	PI/2 BPSK	270	0		17.68		19.50
100	QPSK	1	1		17.62		19.50
100	QPSK	1	137		17.63		19.50
100	QPSK	1	271		17.60		19.50
100	QPSK	135	0		17.71		19.50
100	QPSK	135	69		17.70		19.50
100	QPSK	135	138		17.70		19.50
100	QPSK	270	0		17.71		19.50
100	16QAM	1	1		17.58		19.50
100	64QAM	1	1		17.96		19.50
100	256QAM	1	1		17.68		19.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.56	17.61	17.56	19.50
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.51	17.55	17.55	19.50
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.51	17.56	17.56	19.50
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.51	17.59	17.52	19.50
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.50	17.56	17.57	19.50
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.58	17.61	17.56	19.50
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.53	17.50	17.59	19.50
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	17.58	17.62	17.60	19.50
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.56	17.63	17.64	19.50
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.66	17.56	17.65	19.50
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.51	17.61	17.56	19.50

【FR1 n77 (27Q) _FCC_Part 27Q (3700~3980MHz)_HPUE_Ant 7_ECI 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.01	17.99	17.69	19.50
100	PI/2 BPSK	1	137	17.83	17.89	17.51	19.50
100	PI/2 BPSK	1	271	17.62	17.69	17.61	19.50
100	PI/2 BPSK	135	0	17.80	17.93	17.62	19.50
100	PI/2 BPSK	135	69	17.81	17.81	17.61	19.50
100	PI/2 BPSK	135	138	17.76	17.80	17.66	19.50
100	PI/2 BPSK	270	0	17.89	17.88	17.63	19.50
100	QPSK	1	1	17.82	17.95	17.52	19.50
100	QPSK	1	137	17.81	17.86	17.50	19.50
100	QPSK	1	271	17.66	17.66	17.68	19.50
100	QPSK	135	0	18.00	18.00	17.59	19.50
100	QPSK	135	69	17.82	17.93	17.50	19.50

100	QPSK	135	138	17.83	17.88	17.57	19.50
100	QPSK	270	0	17.89	17.94	17.61	19.50
100	16QAM	1	1	17.52	17.62	17.61	19.50
100	64QAM	1	1	17.89	17.98	17.54	19.50
100	256QAM	1	1	17.94	17.99	17.67	19.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	17.98	17.87	17.55	19.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	17.92	17.92	17.66	19.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	17.93	17.95	17.55	19.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	17.91	17.85	17.56	19.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	17.95	17.89	17.57	19.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	17.90	17.87	17.64	19.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	17.87	17.95	17.67	19.50
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	17.91	17.95	17.64	19.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	17.97	17.97	17.57	19.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	17.97	17.95	17.55	19.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	17.95	17.88	17.59	19.50

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.65		18.10
100	PI/2 BPSK	1	137		17.68		18.10
100	PI/2 BPSK	1	271		17.64		18.10
100	PI/2 BPSK	135	0		17.63		18.10
100	PI/2 BPSK	135	69		17.58		18.10
100	PI/2 BPSK	135	138		17.65		18.10
100	PI/2 BPSK	270	0		17.68		18.10
100	QPSK	1	1		17.62		18.10
100	QPSK	1	137		17.63		18.10
100	QPSK	1	271		17.60		18.10
100	QPSK	135	0		17.71		18.10
100	QPSK	135	69		17.70		18.10
100	QPSK	135	138		17.70		18.10
100	QPSK	270	0		17.71		18.10
100	16QAM	1	1		17.58		18.10
100	64QAM	1	1		17.96		18.10
100	256QAM	1	1		17.68		18.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.56	17.61	17.56	18.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.51	17.55	17.55	18.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.51	17.56	17.56	18.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.51	17.59	17.52	18.10
Channel				631668	633332	635000	Tune-up limit

	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.50	17.56	17.57	18.10
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.58	17.61	17.56	18.10
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.53	17.50	17.59	18.10
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.58	17.62	17.60	18.10
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.56	17.63	17.64	18.10
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.66	17.56	17.65	18.10
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.51	17.61	17.56	18.10

【FR1 n77 (270) FCC_Part 270 (3700~3980MHz)_HPUE_Ant 7_ECI 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			650000	656000	662000	
	Frequency (MHz)			3750	3840	3930	
100	PI/2 BPSK	1	1	18.01	17.99	17.69	18.10
100	PI/2 BPSK	1	137	17.83	17.89	17.51	18.10
100	PI/2 BPSK	1	271	17.62	17.69	17.61	18.10
100	PI/2 BPSK	135	0	17.80	17.93	17.62	18.10
100	PI/2 BPSK	135	69	17.81	17.81	17.61	18.10
100	PI/2 BPSK	135	138	17.76	17.80	17.66	18.10
100	PI/2 BPSK	270	0	17.89	17.88	17.63	18.10
100	QPSK	1	1	17.82	17.95	17.52	18.10
100	QPSK	1	137	17.81	17.86	17.50	18.10
100	QPSK	1	271	17.66	17.66	17.68	18.10
100	QPSK	135	0	18.00	18.00	17.59	18.10
100	QPSK	135	69	17.82	17.93	17.50	18.10
100	QPSK	135	138	17.83	17.88	17.57	18.10
100	QPSK	270	0	17.89	17.94	17.61	18.10
100	16QAM	1	1	17.52	17.62	17.61	18.10
100	64QAM	1	1	17.89	17.98	17.54	18.10
100	256QAM	1	1	17.94	17.99	17.67	18.10
	Channel			649668	656000	662332	Tune-up limit
	Frequency (MHz)			3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	17.98	17.87	17.55	18.10
	Channel			649334	656000	662666	Tune-up limit
	Frequency (MHz)			3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	17.92	17.92	17.66	18.10
	Channel			649000	656000	663000	Tune-up limit
	Frequency (MHz)			3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	17.93	17.95	17.55	18.10
	Channel			648668	656000	663332	Tune-up limit
	Frequency (MHz)			3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	17.91	17.85	17.56	18.10
	Channel			648334	656000	663666	Tune-up limit
	Frequency (MHz)			3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	17.95	17.89	17.57	18.10
	Channel			648000	656000	664000	Tune-up limit
	Frequency (MHz)			3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	17.90	17.87	17.64	18.10
	Channel			647668	656000	664332	Tune-up limit
	Frequency (MHz)			3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	17.87	17.95	17.67	18.10
	Channel			647500	656000	664500	Tune-up limit
	Frequency (MHz)			3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	17.91	17.95	17.64	18.10
	Channel			647334	656000	664666	Tune-up limit
	Frequency (MHz)			3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	17.97	17.97	17.57	18.10
	Channel			647168	656000	664832	Tune-up limit
	Frequency (MHz)			3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	17.97	17.95	17.55	18.10
	Channel			647000	656000	665000	Tune-up limit

Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	17.95	17.88	17.59	18.10

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 1_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.78		16.00
100	PI/2 BPSK	1	137		14.67		16.00
100	PI/2 BPSK	1	271		14.70		16.00
100	PI/2 BPSK	135	0		14.67		16.00
100	PI/2 BPSK	135	69		14.61		16.00
100	PI/2 BPSK	135	138		14.64		16.00
100	PI/2 BPSK	270	0		14.65		16.00
100	QPSK	1	1		14.62		16.00
100	QPSK	1	137		14.64		16.00
100	QPSK	1	271		14.65		16.00
100	QPSK	135	0		14.71		16.00
100	QPSK	135	69		14.64		16.00
100	QPSK	135	138		14.65		16.00
100	QPSK	270	0		14.67		16.00
100	16QAM	1	1		14.88		16.00
100	64QAM	1	1		14.67		16.00
100	256QAM	1	1		14.92		16.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.71	14.75	14.71	16.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.59	14.68	14.61	16.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.67	14.71	14.57	16.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.58	14.72	14.59	16.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.57	14.69	14.65	16.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.67	14.61	14.61	16.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.57	14.72	14.61	16.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	14.62	14.60	14.67	16.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.66	14.68	14.57	16.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.59	14.61	14.68	16.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.60	14.61	14.62	16.00

【FR1 n78 (27Q) _FCC_Part 27Q (3700~3800MHz)_Ant 1_ECI 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					650000		

Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		14.69		16.00
100	PI/2 BPSK	1	137		14.65		16.00
100	PI/2 BPSK	1	271		14.63		16.00
100	PI/2 BPSK	135	0		14.59		16.00
100	PI/2 BPSK	135	69		14.50		16.00
100	PI/2 BPSK	135	138		14.56		16.00
100	PI/2 BPSK	270	0		14.57		16.00
100	QPSK	1	1		14.70		16.00
100	QPSK	1	137		14.66		16.00
100	QPSK	1	271		14.64		16.00
100	QPSK	135	0		14.62		16.00
100	QPSK	135	69		14.60		16.00
100	QPSK	135	138		14.57		16.00
100	QPSK	270	0		14.58		16.00
100	16QAM	1	1		14.81		16.00
100	64QAM	1	1		14.43		16.00
100	256QAM	1	1		14.42		16.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.67	14.68	14.66	16.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.58	14.55	14.61	16.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.65	14.63	14.57	16.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.65	14.62	14.58	16.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.58	14.54	14.60	16.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	14.59	14.60	14.52	16.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.57	14.65	14.52	16.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	14.58	14.63	14.60	16.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	14.52	14.57	14.65	16.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	14.65	14.67	14.58	16.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	14.57	14.54	14.57	16.00

【FR1 n78 (27Q) _ FCC_Part 27Q (3450~3550MHz)_Ant 1 _ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.78		15.20
100	PI/2 BPSK	1	137		14.67		15.20
100	PI/2 BPSK	1	271		14.70		15.20
100	PI/2 BPSK	135	0		14.67		15.20
100	PI/2 BPSK	135	69		14.61		15.20
100	PI/2 BPSK	135	138		14.64		15.20
100	PI/2 BPSK	270	0		14.65		15.20
100	QPSK	1	1		14.62		15.20
100	QPSK	1	137		14.64		15.20
100	QPSK	1	271		14.65		15.20
100	QPSK	135	0		14.71		15.20
100	QPSK	135	69		14.64		15.20
100	QPSK	135	138		14.65		15.20
100	QPSK	270	0		14.67		15.20
100	16QAM	1	1		14.88		15.20
100	64QAM	1	1		14.67		15.20
100	256QAM	1	1		14.92		15.20

	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.71	14.75	14.71	15.20
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.59	14.68	14.61	15.20
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.67	14.71	14.57	15.20
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.58	14.72	14.59	15.20
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.57	14.69	14.65	15.20
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.67	14.61	14.61	15.20
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.57	14.72	14.61	15.20
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.62	14.60	14.67	15.20
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.66	14.68	14.57	15.20
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.59	14.61	14.68	15.20
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.60	14.61	14.62	15.20

【FR1 n78 (270) FCC_Part 270 (3700~3800MHz)_Ant 1_ECI 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				650000		
	Frequency (MHz)				3750		
100	PI/2 BPSK	1	1		14.69		15.20
100	PI/2 BPSK	1	137		14.65		15.20
100	PI/2 BPSK	1	271		14.63		15.20
100	PI/2 BPSK	135	0		14.59		15.20
100	PI/2 BPSK	135	69		14.50		15.20
100	PI/2 BPSK	135	138		14.56		15.20
100	PI/2 BPSK	270	0		14.57		15.20
100	QPSK	1	1		14.70		15.20
100	QPSK	1	137		14.66		15.20
100	QPSK	1	271		14.64		15.20
100	QPSK	135	0		14.62		15.20
100	QPSK	135	69		14.60		15.20
100	QPSK	135	138		14.57		15.20
100	QPSK	270	0		14.58		15.20
100	16QAM	1	1		14.81		15.20
100	64QAM	1	1		14.43		15.20
100	256QAM	1	1		14.42		15.20
	Channel			649668	650000	650332	Tune-up limit
	Frequency (MHz)			3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.67	14.68	14.66	15.20
	Channel			649334	650000	650666	Tune-up limit
	Frequency (MHz)			3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.58	14.55	14.61	15.20
	Channel			649000	650000	651000	Tune-up limit
	Frequency (MHz)			3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.65	14.63	14.57	15.20
	Channel			648668	650000	651332	Tune-up limit
	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.65	14.62	14.58	15.20
	Channel			648334	650000	651666	Tune-up limit
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.58	14.54	14.60	15.20
	Channel			648000	650000	652000	Tune-up limit
	Frequency (MHz)			3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	14.59	14.60	14.52	15.20



Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.57	14.65	14.52	15.20
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	14.58	14.63	14.60	15.20
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	14.52	14.57	14.65	15.20
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	14.65	14.67	14.58	15.20
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	14.57	14.54	14.57	15.20

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 1_ECI 6】

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		13.83		14.40
100	PI/2 BPSK	1	137		13.80		14.40
100	PI/2 BPSK	1	271		13.79		14.40
100	PI/2 BPSK	135	0		13.81		14.40
100	PI/2 BPSK	135	69		13.79		14.40
100	PI/2 BPSK	135	138		13.72		14.40
100	PI/2 BPSK	270	0		13.77		14.40
100	QPSK	1	1		13.72		14.40
100	QPSK	1	137		13.77		14.40
100	QPSK	1	271		13.76		14.40
100	QPSK	135	0		13.81		14.40
100	QPSK	135	69		13.72		14.40
100	QPSK	135	138		13.76		14.40
100	QPSK	270	0		13.82		14.40
100	16QAM	1	1		13.77		14.40
100	64QAM	1	1		13.76		14.40
100	256QAM	1	1		13.81		14.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	13.80	13.82	13.76	14.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.69	13.82	13.75	14.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.71	13.78	13.69	14.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.65	13.65	13.71	14.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	13.66	13.78	13.69	14.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.83	13.69	13.75	14.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.78	13.82	13.74	14.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	13.72	13.65	13.68	14.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.65	13.73	13.67	14.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	13.68	13.74	13.81	14.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.62	13.81	13.68	14.40

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_Ant 1_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		13.81		14.40
100	PI/2 BPSK	1	137		13.79		14.40
100	PI/2 BPSK	1	271		13.77		14.40
100	PI/2 BPSK	135	0		13.84		14.40
100	PI/2 BPSK	135	69		13.76		14.40
100	PI/2 BPSK	135	138		13.80		14.40
100	PI/2 BPSK	270	0		13.76		14.40
100	QPSK	1	1		13.75		14.40
100	QPSK	1	137		13.75		14.40
100	QPSK	1	271		13.72		14.40
100	QPSK	135	0		13.78		14.40
100	QPSK	135	69		13.75		14.40
100	QPSK	135	138		13.77		14.40
100	QPSK	270	0		13.82		14.40
100	16QAM	1	1		13.78		14.40
100	64QAM	1	1		13.75		14.40
100	256QAM	1	1		13.81		14.40
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	13.79	13.84	13.77	14.40
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	13.69	13.66	13.64	14.40
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	13.75	13.71	13.69	14.40
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	13.83	13.73	13.66	14.40
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	13.74	13.71	13.77	14.40
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	13.76	13.64	13.79	14.40
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	13.71	13.68	13.68	14.40
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	13.75	13.71	13.71	14.40
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	13.76	13.71	13.77	14.40
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	13.74	13.67	13.71	14.40
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	13.76	13.71	13.68	14.40

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 1_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.87		16.30
100	PI/2 BPSK	1	137		14.82		16.30
100	PI/2 BPSK	1	271		14.87		16.30
100	PI/2 BPSK	135	0		14.84		16.30
100	PI/2 BPSK	135	69		14.79		16.30
100	PI/2 BPSK	135	138		14.81		16.30
100	PI/2 BPSK	270	0		14.82		16.30
100	QPSK	1	1		14.80		16.30
100	QPSK	1	137		14.78		16.30
100	QPSK	1	271		14.82		16.30
100	QPSK	135	0		14.85		16.30

100	QPSK	135	69		14.79		16.30
100	QPSK	135	138		14.82		16.30
100	QPSK	270	0		14.84		16.30
100	16QAM	1	1		14.86		16.30
100	64QAM	1	1		14.83		16.30
100	256QAM	1	1		14.85		16.30
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.85	14.86	14.84	16.30
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.77	14.82	14.80	16.30
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.74	14.80	14.74	16.30
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.70	14.71	14.72	16.30
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.73	14.82	14.78	16.30
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.84	14.75	14.83	16.30
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.80	14.83	14.80	16.30
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.76	14.73	14.70	16.30
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.72	14.79	14.70	16.30
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.76	14.82	14.82	16.30
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.71	14.84	14.75	16.30

【FR1 n78 (270) FCC_Part 270 (3700~3800MHz)_Ant 1_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		14.88		16.30
100	PI/2 BPSK	1	137		14.84		16.30
100	PI/2 BPSK	1	271		14.82		16.30
100	PI/2 BPSK	135	0		14.85		16.30
100	PI/2 BPSK	135	69		14.81		16.30
100	PI/2 BPSK	135	138		14.84		16.30
100	PI/2 BPSK	270	0		14.82		16.30
100	QPSK	1	1		14.82		16.30
100	QPSK	1	137		14.80		16.30
100	QPSK	1	271		14.80		16.30
100	QPSK	135	0		14.87		16.30
100	QPSK	135	69		14.75		16.30
100	QPSK	135	138		14.85		16.30
100	QPSK	270	0		14.83		16.30
100	16QAM	1	1		14.82		16.30
100	64QAM	1	1		14.81		16.30
100	256QAM	1	1		14.87		16.30
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.88	14.84	14.84	16.30
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.75	14.72	14.73	16.30
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.85	14.73	14.78	16.30
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.84	14.76	14.75	16.30

Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.76	14.74	14.83	16.30
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	14.82	14.73	14.82	16.30
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.79	14.75	14.77	16.30
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	14.82	14.81	14.79	16.30
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	14.85	14.71	14.80	16.30
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	14.74	14.74	14.80	16.30
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	14.86	14.76	14.76	16.30

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 1_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.83		14.40
100	PI/2 BPSK	1	137		13.80		14.40
100	PI/2 BPSK	1	271		13.79		14.40
100	PI/2 BPSK	135	0		13.81		14.40
100	PI/2 BPSK	135	69		13.79		14.40
100	PI/2 BPSK	135	138		13.72		14.40
100	PI/2 BPSK	270	0		13.77		14.40
100	QPSK	1	1		13.72		14.40
100	QPSK	1	137		13.77		14.40
100	QPSK	1	271		13.76		14.40
100	QPSK	135	0		13.81		14.40
100	QPSK	135	69		13.72		14.40
100	QPSK	135	138		13.76		14.40
100	QPSK	270	0		13.82		14.40
100	16QAM	1	1		13.77		14.40
100	64QAM	1	1		13.76		14.40
100	256QAM	1	1		13.81		14.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	13.80	13.82	13.76	14.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.69	13.82	13.75	14.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.71	13.78	13.69	14.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.65	13.65	13.71	14.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	13.66	13.78	13.69	14.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.83	13.69	13.75	14.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.78	13.82	13.74	14.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	13.72	13.65	13.68	14.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.65	13.73	13.67	14.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	13.68	13.74	13.81	14.40

Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.62	13.81	13.68	14.40

【FR1 n78 (270) _ FCC_Part 270 (3700~3800MHz)_Ant 1_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		13.81		14.40
100	PI/2 BPSK	1	137		13.79		14.40
100	PI/2 BPSK	1	271		13.77		14.40
100	PI/2 BPSK	135	0		13.84		14.40
100	PI/2 BPSK	135	69		13.76		14.40
100	PI/2 BPSK	135	138		13.80		14.40
100	PI/2 BPSK	270	0		13.76		14.40
100	QPSK	1	1		13.75		14.40
100	QPSK	1	137		13.75		14.40
100	QPSK	1	271		13.72		14.40
100	QPSK	135	0		13.78		14.40
100	QPSK	135	69		13.75		14.40
100	QPSK	135	138		13.77		14.40
100	QPSK	270	0		13.82		14.40
100	16QAM	1	1		13.78		14.40
100	64QAM	1	1		13.75		14.40
100	256QAM	1	1		13.81		14.40
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	13.79	13.84	13.77	14.40
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	13.69	13.66	13.64	14.40
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	13.75	13.71	13.69	14.40
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	13.83	13.73	13.66	14.40
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	13.74	13.71	13.77	14.40
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	13.76	13.64	13.79	14.40
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	13.71	13.68	13.68	14.40
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	13.75	13.71	13.71	14.40
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	13.76	13.71	13.77	14.40
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	13.74	13.67	13.71	14.40
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	13.76	13.71	13.68	14.40

【FR1 n78 (27Q) _ FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 1_ECI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
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Channel				633332		
Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1	17.83		19.00
100	PI/2 BPSK	1	137	17.75		19.00
100	PI/2 BPSK	1	271	17.81		19.00
100	PI/2 BPSK	135	0	17.80		19.00
100	PI/2 BPSK	135	69	17.74		19.00
100	PI/2 BPSK	135	138	17.77		19.00
100	PI/2 BPSK	270	0	17.82		19.00
100	QPSK	1	1	17.78		19.00
100	QPSK	1	137	17.73		19.00
100	QPSK	1	271	17.75		19.00
100	QPSK	135	0	17.79		19.00
100	QPSK	135	69	17.81		19.00
100	QPSK	135	138	17.73		19.00
100	QPSK	270	0	17.83		19.00
100	16QAM	1	1	17.79		19.00
100	64QAM	1	1	17.82		19.00
100	256QAM	1	1	17.78		19.00
Channel				633000	633332	633666
Frequency (MHz)				3495	3499.98	3504.99
90	PI/2 BPSK	1	1	17.78	17.80	17.76
Channel				632668	633332	634000
Frequency (MHz)				3490.02	3499.98	3510
80	PI/2 BPSK	1	1	17.67	17.75	17.72
Channel				632334	633332	634332
Frequency (MHz)				3485.01	3499.98	3514.98
70	PI/2 BPSK	1	1	17.73	17.74	17.75
Channel				632000	633332	634666
Frequency (MHz)				3480	3499.98	3519.99
60	PI/2 BPSK	1	1	17.70	17.71	17.68
Channel				631668	633332	635000
Frequency (MHz)				3475.02	3499.98	3525
50	PI/2 BPSK	1	1	17.70	17.67	17.75
Channel				631334	633332	635332
Frequency (MHz)				3470.01	3499.98	3529.98
40	PI/2 BPSK	1	1	17.66	17.74	17.72
Channel				631000	633332	635666
Frequency (MHz)				3465	3499.98	3534.99
30	PI/2 BPSK	1	1	17.73	17.78	17.74
Channel				630834	633332	635832
Frequency (MHz)				3462.51	3499.98	3537.48
25	PI/2 BPSK	1	1	17.77	17.75	17.69
Channel				630668	633332	636000
Frequency (MHz)				3460.02	3499.98	3540
20	PI/2 BPSK	1	1	17.68	17.70	17.64
Channel				630500	633332	636166
Frequency (MHz)				3457.5	3499.98	3542.49
15	PI/2 BPSK	1	1	17.74	17.78	17.67
Channel				630334	633332	636332
Frequency (MHz)				3455.01	3499.98	3544.98
10	PI/2 BPSK	1	1	17.76	17.71	17.71

【FR1 n78 (270) _ FCC_Part 270 (3700~3800MHz)_HPUE_Ant 1_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.90		19.00
100	PI/2 BPSK	1	137		17.84		19.00
100	PI/2 BPSK	1	271		17.83		19.00
100	PI/2 BPSK	135	0		17.87		19.00
100	PI/2 BPSK	135	69		17.83		19.00
100	PI/2 BPSK	135	138		17.85		19.00
100	PI/2 BPSK	270	0		17.82		19.00
100	QPSK	1	1		17.86		19.00
100	QPSK	1	137		17.86		19.00
100	QPSK	1	271		17.87		19.00
100	QPSK	135	0		17.89		19.00
100	QPSK	135	69		17.83		19.00
100	QPSK	135	138		17.89		19.00
100	QPSK	270	0		17.88		19.00
100	16QAM	1	1		17.83		19.00
100	64QAM	1	1		17.85		19.00

100	256QAM	1	1	649668	17.88	650332	19.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.86	17.88	17.86	19.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.75	17.79	17.83	19.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.80	17.83	17.74	19.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.76	17.81	17.83	19.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.85	17.83	17.78	19.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.78	17.83	17.81	19.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.73	17.83	17.83	19.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.83	17.74	17.83	19.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.82	17.80	17.84	19.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.79	17.75	17.75	19.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.74	17.87	17.84	19.00

【FR1 n78 (27Q)_ FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 1_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.83		18.20
100	PI/2 BPSK	1	137		17.75		18.20
100	PI/2 BPSK	1	271		17.81		18.20
100	PI/2 BPSK	135	0		17.80		18.20
100	PI/2 BPSK	135	69		17.74		18.20
100	PI/2 BPSK	135	138		17.77		18.20
100	PI/2 BPSK	270	0		17.82		18.20
100	QPSK	1	1		17.78		18.20
100	QPSK	1	137		17.73		18.20
100	QPSK	1	271		17.75		18.20
100	QPSK	135	0		17.79		18.20
100	QPSK	135	69		17.81		18.20
100	QPSK	135	138		17.73		18.20
100	QPSK	270	0		17.83		18.20
100	16QAM	1	1		17.79		18.20
100	64QAM	1	1		17.82		18.20
100	256QAM	1	1		17.78		18.20
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.78	17.80	17.76	18.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.67	17.75	17.72	18.20
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.73	17.74	17.75	18.20
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.70	17.71	17.68	18.20
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.70	17.67	17.75	18.20
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)

40	PI/2 BPSK	1	1	17.66	17.74	17.72	18.20
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.73	17.78	17.74	18.20
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.77	17.75	17.69	18.20
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.68	17.70	17.64	18.20
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.74	17.78	17.67	18.20
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.76	17.71	17.71	18.20

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_HPUE_Ant 1_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.90		18.20
100	PI/2 BPSK	1	137		17.84		18.20
100	PI/2 BPSK	1	271		17.83		18.20
100	PI/2 BPSK	135	0		17.87		18.20
100	PI/2 BPSK	135	69		17.83		18.20
100	PI/2 BPSK	135	138		17.85		18.20
100	PI/2 BPSK	270	0		17.82		18.20
100	QPSK	1	1		17.86		18.20
100	QPSK	1	137		17.86		18.20
100	QPSK	1	271		17.87		18.20
100	QPSK	135	0		17.89		18.20
100	QPSK	135	69		17.83		18.20
100	QPSK	135	138		17.89		18.20
100	QPSK	270	0		17.88		18.20
100	16QAM	1	1		17.83		18.20
100	64QAM	1	1		17.85		18.20
100	256QAM	1	1		17.88		18.20
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.86	17.88	17.86	18.20
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.75	17.79	17.83	18.20
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.80	17.83	17.74	18.20
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.76	17.81	17.83	18.20
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.85	17.83	17.78	18.20
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.78	17.83	17.81	18.20
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.73	17.83	17.83	18.20
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.83	17.74	17.83	18.20
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.82	17.80	17.84	18.20
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.79	17.75	17.75	18.20
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.74	17.87	17.84	18.20

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 1_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
100	PI/2 BPSK	1	1	16.57	16.64	16.66	17.40
100	PI/2 BPSK	1	137	16.57	16.75	16.75	17.40
100	PI/2 BPSK	1	271	16.57	16.74	16.74	17.40
100	PI/2 BPSK	135	0	16.57	16.79	16.79	17.40
100	PI/2 BPSK	135	69	16.57	16.74	16.74	17.40
100	PI/2 BPSK	135	138	16.57	16.77	16.77	17.40
100	PI/2 BPSK	270	0	16.57	16.75	16.75	17.40
100	QPSK	1	1	16.57	16.75	16.75	17.40
100	QPSK	1	137	16.57	16.79	16.79	17.40
100	QPSK	1	271	16.57	16.76	16.76	17.40
100	QPSK	135	0	16.57	16.84	16.84	17.40
100	QPSK	135	69	16.57	16.79	16.79	17.40
100	QPSK	135	138	16.57	16.82	16.82	17.40
100	QPSK	270	0	16.57	16.74	16.74	17.40
100	16QAM	1	1	16.57	16.68	16.68	17.40
100	64QAM	1	1	16.57	16.69	16.69	17.40
100	256QAM	1	1	16.57	16.85	16.85	17.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.57	16.60	16.66	17.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.46	16.48	16.53	17.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.47	16.50	16.48	17.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.51	16.57	16.54	17.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.48	16.52	16.54	17.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.52	16.58	16.55	17.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.58	16.61	16.49	17.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.47	16.58	16.61	17.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.59	16.60	16.54	17.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.53	16.50	16.59	17.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.55	16.59	16.56	17.40

【FR1 n78 (27O) _FCC_Part 27O (3700~3800MHz)_HPUE_Ant 1_ECI 6】

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		Tune-up limit
Frequency (MHz)					3750		(dBm)
100	PI/2 BPSK	1	1	16.75	16.75	16.75	17.40
100	PI/2 BPSK	1	137	16.75	16.75	16.75	17.40
100	PI/2 BPSK	1	271	16.60	16.60	16.60	17.40
100	PI/2 BPSK	135	0	16.82	16.82	16.82	17.40
100	PI/2 BPSK	135	69	16.74	16.74	16.74	17.40
100	PI/2 BPSK	135	138	16.79	16.79	16.79	17.40
100	PI/2 BPSK	270	0	16.71	16.71	16.71	17.40
100	QPSK	1	1	16.82	16.82	16.82	17.40
100	QPSK	1	137	16.75	16.75	16.75	17.40
100	QPSK	1	271	16.72	16.72	16.72	17.40

100	QPSK	135	0		16.90		17.40
100	QPSK	135	69		16.83		17.40
100	QPSK	135	138		16.79		17.40
100	QPSK	270	0		16.80		17.40
100	16QAM	1	1		16.64		17.40
100	64QAM	1	1		16.75		17.40
100	256QAM	1	1		16.87		17.40
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	16.77	16.75	16.69	17.40
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	16.72	16.56	16.60	17.40
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	16.72	16.62	16.61	17.40
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	16.60	16.61	16.66	17.40
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	16.64	16.61	16.68	17.40
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	16.72	16.62	16.66	17.40
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.71	16.60	16.57	17.40
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	16.57	16.69	16.58	17.40
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	16.65	16.73	16.60	17.40
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	16.69	16.65	16.72	17.40
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	16.71	16.54	16.67	17.40

【FR1 n78 (27Q) FCC_Part 27Q (3450~3550MHz) HPUE_Ant 1 ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.72		19.30
100	PI/2 BPSK	1	137		17.79		19.30
100	PI/2 BPSK	1	271		17.79		19.30
100	PI/2 BPSK	135	0		17.83		19.30
100	PI/2 BPSK	135	69		17.81		19.30
100	PI/2 BPSK	135	138		17.78		19.30
100	PI/2 BPSK	270	0		17.77		19.30
100	QPSK	1	1		17.75		19.30
100	QPSK	1	137		17.81		19.30
100	QPSK	1	271		17.81		19.30
100	QPSK	135	0		17.88		19.30
100	QPSK	135	69		17.86		19.30
100	QPSK	135	138		17.83		19.30
100	QPSK	270	0		17.83		19.30
100	16QAM	1	1		17.68		19.30
100	64QAM	1	1		17.71		19.30
100	256QAM	1	1		17.90		19.30
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.67	17.68	17.68	19.30
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.52	17.54	17.57	19.30
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.54	17.57	17.57	19.30
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)

60	PI/2 BPSK	1	1	17.60	17.57	17.61	19.30
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.54	17.54	17.59	19.30
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.57	17.62	17.62	19.30
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.63	17.62	17.56	19.30
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.54	17.62	17.63	19.30
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.60	17.65	17.58	19.30
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.60	17.56	17.64	19.30
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.58	17.65	17.59	19.30

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 1_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.81		19.30
100	PI/2 BPSK	1	137		17.77		19.30
100	PI/2 BPSK	1	271		17.70		19.30
100	PI/2 BPSK	135	0		17.90		19.30
100	PI/2 BPSK	135	69		17.81		19.30
100	PI/2 BPSK	135	138		17.82		19.30
100	PI/2 BPSK	270	0		17.77		19.30
100	QPSK	1	1		17.85		19.30
100	QPSK	1	137		17.83		19.30
100	QPSK	1	271		17.75		19.30
100	QPSK	135	0		17.90		19.30
100	QPSK	135	69		17.83		19.30
100	QPSK	135	138		17.84		19.30
100	QPSK	270	0		17.84		19.30
100	16QAM	1	1		17.73		19.30
100	64QAM	1	1		17.77		19.30
100	256QAM	1	1		17.90		19.30
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.79	17.77	17.77	19.30
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.77	17.66	17.66	19.30
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.77	17.70	17.69	19.30
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.65	17.69	17.67	19.30
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.73	17.70	17.70	19.30
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.75	17.64	17.68	19.30
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.75	17.63	17.64	19.30
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.64	17.74	17.65	19.30
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.65	17.73	17.68	19.30
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)

15	PI/2 BPSK	1	1	17.77	17.69	17.75	19.30
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.76	17.63	17.72	19.30

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 1_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.64		17.40
100	PI/2 BPSK	1	137		16.75		17.40
100	PI/2 BPSK	1	271		16.74		17.40
100	PI/2 BPSK	135	0		16.79		17.40
100	PI/2 BPSK	135	69		16.74		17.40
100	PI/2 BPSK	135	138		16.77		17.40
100	PI/2 BPSK	270	0		16.75		17.40
100	QPSK	1	1		16.75		17.40
100	QPSK	1	137		16.79		17.40
100	QPSK	1	271		16.76		17.40
100	QPSK	135	0		16.84		17.40
100	QPSK	135	69		16.79		17.40
100	QPSK	135	138		16.82		17.40
100	QPSK	270	0		16.74		17.40
100	16QAM	1	1		16.68		17.40
100	64QAM	1	1		16.69		17.40
100	256QAM	1	1		16.85		17.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.57	16.60	16.66	17.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.46	16.48	16.53	17.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.47	16.50	16.48	17.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.51	16.57	16.54	17.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.48	16.52	16.54	17.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.52	16.58	16.55	17.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.58	16.61	16.49	17.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.47	16.58	16.61	17.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.59	16.60	16.54	17.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.53	16.50	16.59	17.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.55	16.59	16.56	17.40

【FR1 n78 (27Q) _FCC_Part 27Q (3700~3800MHz)_HPUE_Ant 1_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.75		17.40
100	PI/2 BPSK	1	137		16.75		17.40
100	PI/2 BPSK	1	271		16.60		17.40
100	PI/2 BPSK	135	0		16.82		17.40

100	PI/2 BPSK	135	69		16.74		17.40
100	PI/2 BPSK	135	138		16.79		17.40
100	PI/2 BPSK	270	0		16.71		17.40
100	QPSK	1	1		16.82		17.40
100	QPSK	1	137		16.75		17.40
100	QPSK	1	271		16.72		17.40
100	QPSK	135	0		16.90		17.40
100	QPSK	135	69		16.83		17.40
100	QPSK	135	138		16.79		17.40
100	QPSK	270	0		16.80		17.40
100	16QAM	1	1		16.64		17.40
100	64QAM	1	1		16.75		17.40
100	256QAM	1	1		16.87		17.40
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	16.77	16.75	16.69	17.40
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	16.72	16.56	16.60	17.40
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	16.72	16.62	16.61	17.40
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	16.60	16.61	16.66	17.40
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	16.64	16.61	16.68	17.40
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	16.72	16.62	16.66	17.40
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.71	16.60	16.57	17.40
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	16.57	16.69	16.58	17.40
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	16.65	16.73	16.60	17.40
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	16.69	16.65	16.72	17.40
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	16.71	16.54	16.67	17.40

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 5_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.54		16.00
100	PI/2 BPSK	1	137		14.77		16.00
100	PI/2 BPSK	1	271		14.92		16.00
100	PI/2 BPSK	135	0		14.70		16.00
100	PI/2 BPSK	135	69		14.74		16.00
100	PI/2 BPSK	135	138		14.83		16.00
100	PI/2 BPSK	270	0		14.74		16.00
100	QPSK	1	1		14.49		16.00
100	QPSK	1	137		14.74		16.00
100	QPSK	1	271		14.86		16.00
100	QPSK	135	0		14.70		16.00
100	QPSK	135	69		14.76		16.00
100	QPSK	135	138		14.86		16.00
100	QPSK	270	0		14.78		16.00
100	16QAM	1	1		14.79		16.00

100	64QAM	1	1		14.59		16.00
100	256QAM	1	1		14.94		16.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.50	14.56	14.52	16.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.43	14.55	14.38	16.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.39	14.42	14.40	16.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.38	14.44	14.38	16.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.35	14.43	14.39	16.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.43	14.49	14.48	16.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.39	14.50	14.42	16.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.47	14.47	14.46	16.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.43	14.53	14.39	16.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.36	14.54	14.50	16.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.48	14.44	14.39	16.00

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_Ant 5_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.29		16.00
100	PI/2 BPSK	1	137		15.28		16.00
100	PI/2 BPSK	1	271		15.30		16.00
100	PI/2 BPSK	135	0		15.28		16.00
100	PI/2 BPSK	135	69		15.29		16.00
100	PI/2 BPSK	135	138		15.30		16.00
100	PI/2 BPSK	270	0		15.26		16.00
100	QPSK	1	1		15.29		16.00
100	QPSK	1	137		15.24		16.00
100	QPSK	1	271		15.21		16.00
100	QPSK	135	0		15.28		16.00
100	QPSK	135	69		15.23		16.00
100	QPSK	135	138		15.24		16.00
100	QPSK	270	0		15.27		16.00
100	16QAM	1	1		15.28		16.00
100	64QAM	1	1		15.16		16.00
100	256QAM	1	1		15.30		16.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.20	15.25	15.22	16.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.17	15.17	15.12	16.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.16	15.19	15.13	16.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.19	15.22	15.10	16.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.11	15.23	15.18	16.00
Channel				648000	650000	652000	Tune-up limit

Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.10	15.11	15.10	16.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.09	15.16	15.19	16.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.08	15.18	15.11	16.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.19	15.15	15.21	16.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.13	15.12	15.17	16.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.12	15.18	15.11	16.00

【FR1 n78 (27Q) _FCC_ Part 27Q (3450~3550MHz)_Ant 5 _ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.48		14.40
100	PI/2 BPSK	1	137		13.77		14.40
100	PI/2 BPSK	1	271		13.84		14.40
100	PI/2 BPSK	135	0		13.66		14.40
100	PI/2 BPSK	135	69		13.65		14.40
100	PI/2 BPSK	135	138		13.83		14.40
100	PI/2 BPSK	270	0		13.73		14.40
100	QPSK	1	1		13.45		14.40
100	QPSK	1	137		13.72		14.40
100	QPSK	1	271		13.83		14.40
100	QPSK	135	0		13.64		14.40
100	QPSK	135	69		13.74		14.40
100	QPSK	135	138		13.80		14.40
100	QPSK	270	0		13.77		14.40
100	16QAM	1	1		13.71		14.40
100	64QAM	1	1		13.51		14.40
100	256QAM	1	1		13.86		14.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	13.45	13.54	13.50	14.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.37	13.47	13.31	14.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.33	13.35	13.40	14.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.31	13.37	13.32	14.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	13.33	13.41	13.29	14.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.36	13.39	13.44	14.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.38	13.49	13.41	14.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	13.47	13.40	13.36	14.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.33	13.53	13.30	14.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	13.33	13.51	13.50	14.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.45	13.37	13.31	14.40

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_Ant 5_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		13.70		14.40
100	PI/2 BPSK	1	137		13.73		14.40
100	PI/2 BPSK	1	271		13.74		14.40
100	PI/2 BPSK	135	0		13.76		14.40
100	PI/2 BPSK	135	69		13.75		14.40
100	PI/2 BPSK	135	138		13.78		14.40
100	PI/2 BPSK	270	0		13.69		14.40
100	QPSK	1	1		13.75		14.40
100	QPSK	1	137		13.74		14.40
100	QPSK	1	271		13.64		14.40
100	QPSK	135	0		13.71		14.40
100	QPSK	135	69		13.65		14.40
100	QPSK	135	138		13.73		14.40
100	QPSK	270	0		13.77		14.40
100	16QAM	1	1		13.71		14.40
100	64QAM	1	1		13.65		14.40
100	256QAM	1	1		13.72		14.40
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	13.68	13.67	13.65	14.40
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	13.64	13.60	13.54	14.40
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	13.63	13.64	13.54	14.40
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	13.69	13.64	13.51	14.40
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	13.51	13.63	13.67	14.40
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	13.53	13.59	13.55	14.40
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	13.56	13.61	13.69	14.40
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	13.55	13.62	13.60	14.40
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	13.63	13.59	13.62	14.40
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	13.56	13.59	13.64	14.40
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	13.62	13.68	13.54	14.40

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 5_ECI 6】

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		17.57		17.70
100	PI/2 BPSK	1	137		17.68		17.70
100	PI/2 BPSK	1	271		17.70		17.70
100	PI/2 BPSK	135	0		17.66		17.70
100	PI/2 BPSK	135	69		17.61		17.70
100	PI/2 BPSK	135	138		17.70		17.70
100	PI/2 BPSK	270	0		17.70		17.70
100	QPSK	1	1		17.53		17.70
100	QPSK	1	137		17.64		17.70

100	QPSK	1	271		17.64		17.70
100	QPSK	135	0		17.67		17.70
100	QPSK	135	69		17.64		17.70
100	QPSK	135	138		17.70		17.70
100	QPSK	270	0		17.61		17.70
100	16QAM	1	1		17.62		17.70
100	64QAM	1	1		17.64		17.70
100	256QAM	1	1		17.66		17.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.60	17.65	17.63	17.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.48	17.60	17.52	17.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.50	17.58	17.60	17.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.55	17.59	17.53	17.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.46	17.53	17.55	17.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.56	17.52	17.59	17.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.52	17.53	17.62	17.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.58	17.60	17.50	17.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.50	17.57	17.53	17.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.51	17.58	17.49	17.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.53	17.54	17.62	17.70

【FR1 n78 (270)_ FCC_Part 270 (3700~3800MHz)_Ant 5_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.59		17.70
100	PI/2 BPSK	1	137		17.60		17.70
100	PI/2 BPSK	1	271		17.63		17.70
100	PI/2 BPSK	135	0		17.58		17.70
100	PI/2 BPSK	135	69		17.61		17.70
100	PI/2 BPSK	135	138		17.64		17.70
100	PI/2 BPSK	270	0		17.60		17.70
100	QPSK	1	1		17.54		17.70
100	QPSK	1	137		17.70		17.70
100	QPSK	1	271		17.61		17.70
100	QPSK	135	0		17.60		17.70
100	QPSK	135	69		17.61		17.70
100	QPSK	135	138		17.55		17.70
100	QPSK	270	0		17.59		17.70
100	16QAM	1	1		17.57		17.70
100	64QAM	1	1		17.56		17.70
100	256QAM	1	1		17.53		17.70
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.61	17.68	17.62	17.70
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.51	17.61	17.60	17.70
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.60	17.59	17.52	17.70
Channel				648668	650000	651332	Tune-up limit

	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.52	17.57	17.54	17.70
	Channel			648334	650000	651666	Tune-up limit
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.46	17.63	17.53	17.70
	Channel			648000	650000	652000	Tune-up limit
	Frequency (MHz)			3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.57	17.55	17.49	17.70
	Channel			647668	650000	652332	Tune-up limit
	Frequency (MHz)			3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.49	17.58	17.61	17.70
	Channel			647500	650000	652500	Tune-up limit
	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.47	17.66	17.53	17.70
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.53	17.64	17.53	17.70
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.53	17.63	17.55	17.70
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.59	17.62	17.53	17.70

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 5_ECI 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				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		17.57		19.10
100	PI/2 BPSK	1	137		17.68		19.10
100	PI/2 BPSK	1	271		17.70		19.10
100	PI/2 BPSK	135	0		17.66		19.10
100	PI/2 BPSK	135	69		17.61		19.10
100	PI/2 BPSK	135	138		17.70		19.10
100	PI/2 BPSK	270	0		17.70		19.10
100	QPSK	1	1		17.53		19.10
100	QPSK	1	137		17.64		19.10
100	QPSK	1	271		17.64		19.10
100	QPSK	135	0		17.67		19.10
100	QPSK	135	69		17.64		19.10
100	QPSK	135	138		17.70		19.10
100	QPSK	270	0		17.61		19.10
100	16QAM	1	1		17.62		19.10
100	64QAM	1	1		17.64		19.10
100	256QAM	1	1		17.66		19.10
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.60	17.65	17.63	19.10
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.48	17.60	17.52	19.10
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.50	17.58	17.60	19.10
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.55	17.59	17.53	19.10
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.46	17.53	17.55	19.10
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.56	17.52	17.59	19.10
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.52	17.53	17.62	19.10
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.58	17.60	17.50	19.10
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.50	17.57	17.53	19.10
	Channel			630500	633332	636166	Tune-up limit

Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.51	17.58	17.49	19.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.53	17.54	17.62	19.10

【FR1 n78 (270) _FCC_Part 27O (3700~3800MHz)_Ant 5_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.59		19.10
100	PI/2 BPSK	1	137		17.60		19.10
100	PI/2 BPSK	1	271		17.63		19.10
100	PI/2 BPSK	135	0		17.58		19.10
100	PI/2 BPSK	135	69		17.61		19.10
100	PI/2 BPSK	135	138		17.64		19.10
100	PI/2 BPSK	270	0		17.60		19.10
100	QPSK	1	1		17.54		19.10
100	QPSK	1	137		17.70		19.10
100	QPSK	1	271		17.61		19.10
100	QPSK	135	0		17.60		19.10
100	QPSK	135	69		17.61		19.10
100	QPSK	135	138		17.55		19.10
100	QPSK	270	0		17.59		19.10
100	16QAM	1	1		17.57		19.10
100	64QAM	1	1		17.56		19.10
100	256QAM	1	1		17.53		19.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.61	17.68	17.62	19.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.51	17.61	17.60	19.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.60	17.59	17.52	19.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.52	17.57	17.54	19.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.46	17.63	17.53	19.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.57	17.55	17.49	19.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.49	17.58	17.61	19.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.47	17.66	17.53	19.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.53	17.64	17.53	19.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.53	17.63	17.55	19.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.59	17.62	17.53	19.10

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 5_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.57		17.70
100	PI/2 BPSK	1	137		17.68		17.70
100	PI/2 BPSK	1	271		17.70		17.70

100	PI/2 BPSK	135	0		17.66		17.70
100	PI/2 BPSK	135	69		17.61		17.70
100	PI/2 BPSK	135	138		17.70		17.70
100	PI/2 BPSK	270	0		17.70		17.70
100	QPSK	1	1		17.53		17.70
100	QPSK	1	137		17.64		17.70
100	QPSK	1	271		17.64		17.70
100	QPSK	135	0		17.67		17.70
100	QPSK	135	69		17.64		17.70
100	QPSK	135	138		17.70		17.70
100	QPSK	270	0		17.61		17.70
100	16QAM	1	1		17.62		17.70
100	64QAM	1	1		17.64		17.70
100	256QAM	1	1		17.66		17.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.60	17.65	17.63	17.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.48	17.60	17.52	17.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.50	17.58	17.60	17.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.55	17.59	17.53	17.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.46	17.53	17.55	17.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.56	17.52	17.59	17.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.52	17.53	17.62	17.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.58	17.60	17.50	17.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.50	17.57	17.53	17.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.51	17.58	17.49	17.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.53	17.54	17.62	17.70

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 5_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.59		17.70
100	PI/2 BPSK	1	137		17.60		17.70
100	PI/2 BPSK	1	271		17.63		17.70
100	PI/2 BPSK	135	0		17.58		17.70
100	PI/2 BPSK	135	69		17.61		17.70
100	PI/2 BPSK	135	138		17.64		17.70
100	PI/2 BPSK	270	0		17.60		17.70
100	QPSK	1	1		17.54		17.70
100	QPSK	1	137		17.70		17.70
100	QPSK	1	271		17.61		17.70
100	QPSK	135	0		17.60		17.70
100	QPSK	135	69		17.61		17.70
100	QPSK	135	138		17.55		17.70
100	QPSK	270	0		17.59		17.70
100	16QAM	1	1		17.57		17.70
100	64QAM	1	1		17.56		17.70
100	256QAM	1	1		17.53		17.70
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.61	17.68	17.62	17.70
Channel				649334	650000	650666	Tune-up limit

	Frequency (MHz)			3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.51	17.61	17.60	17.70
	Channel			649000	650000	651000	Tune-up limit
	Frequency (MHz)			3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.60	17.59	17.52	17.70
	Channel			648668	650000	651332	Tune-up limit
	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.52	17.57	17.54	17.70
	Channel			648334	650000	651666	Tune-up limit
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.46	17.63	17.53	17.70
	Channel			648000	650000	652000	Tune-up limit
	Frequency (MHz)			3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.57	17.55	17.49	17.70
	Channel			647668	650000	652332	Tune-up limit
	Frequency (MHz)			3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.49	17.58	17.61	17.70
	Channel			647500	650000	652500	Tune-up limit
	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.47	17.66	17.53	17.70
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.53	17.64	17.53	17.70
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.53	17.63	17.55	17.70
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.59	17.62	17.53	17.70

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 5 _ECI 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				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		17.91		19.00
100	PI/2 BPSK	1	137		18.05		19.00
100	PI/2 BPSK	1	271		18.25		19.00
100	PI/2 BPSK	135	0		18.05		19.00
100	PI/2 BPSK	135	69		18.09		19.00
100	PI/2 BPSK	135	138		18.18		19.00
100	PI/2 BPSK	270	0		18.06		19.00
100	QPSK	1	1		17.95		19.00
100	QPSK	1	137		18.09		19.00
100	QPSK	1	271		18.28		19.00
100	QPSK	135	0		18.06		19.00
100	QPSK	135	69		18.15		19.00
100	QPSK	135	138		18.23		19.00
100	QPSK	270	0		18.11		19.00
100	16QAM	1	1		17.90		19.00
100	64QAM	1	1		17.96		19.00
100	256QAM	1	1		18.20		19.00
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.90	17.90	17.88	19.00
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.81	17.78	17.86	19.00
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.79	17.89	17.77	19.00
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.84	17.76	17.75	19.00
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.78	17.80	17.81	19.00

Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.81	17.84	17.79	19.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.76	17.89	17.77	19.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.88	17.79	17.84	19.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.76	17.78	17.83	19.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.89	17.82	17.84	19.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.87	17.77	17.84	19.00

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_HPUE_Ant 5_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.03		19.00
100	PI/2 BPSK	1	137		18.17		19.00
100	PI/2 BPSK	1	271		18.18		19.00
100	PI/2 BPSK	135	0		18.16		19.00
100	PI/2 BPSK	135	69		18.16		19.00
100	PI/2 BPSK	135	138		18.22		19.00
100	PI/2 BPSK	270	0		18.14		19.00
100	QPSK	1	1		18.06		19.00
100	QPSK	1	137		18.20		19.00
100	QPSK	1	271		18.23		19.00
100	QPSK	135	0		18.20		19.00
100	QPSK	135	69		18.23		19.00
100	QPSK	135	138		18.26		19.00
100	QPSK	270	0		18.19		19.00
100	16QAM	1	1		17.97		19.00
100	64QAM	1	1		18.03		19.00
100	256QAM	1	1		18.28		19.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	18.01	18.02	18.00	19.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.99	17.89	17.94	19.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.87	17.91	17.97	19.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.99	17.95	17.96	19.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.87	17.89	17.97	19.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.93	17.89	17.91	19.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.95	17.93	17.89	19.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.99	17.90	17.94	19.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.97	17.87	17.87	19.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.95	17.96	17.93	19.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.91	17.96	17.97	19.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 5_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.87		17.40
100	PI/2 BPSK	1	137		17.05		17.40
100	PI/2 BPSK	1	271		17.24		17.40
100	PI/2 BPSK	135	0		16.99		17.40
100	PI/2 BPSK	135	69		17.07		17.40
100	PI/2 BPSK	135	138		17.10		17.40
100	PI/2 BPSK	270	0		17.02		17.40
100	QPSK	1	1		16.87		17.40
100	QPSK	1	137		16.99		17.40
100	QPSK	1	271		17.22		17.40
100	QPSK	135	0		17.03		17.40
100	QPSK	135	69		17.09		17.40
100	QPSK	135	138		17.20		17.40
100	QPSK	270	0		17.09		17.40
100	16QAM	1	1		16.90		17.40
100	64QAM	1	1		16.96		17.40
100	256QAM	1	1		17.16		17.40
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.84	16.88	16.86	17.40
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.77	16.77	16.82	17.40
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.76	16.79	16.73	17.40
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.79	16.69	16.66	17.40
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.76	16.75	16.80	17.40
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.77	16.81	16.75	17.40
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.74	16.86	16.68	17.40
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.80	16.79	16.77	17.40
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.68	16.78	16.76	17.40
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.79	16.79	16.74	17.40
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.82	16.75	16.75	17.40

【FR1 n78 (27O) _FCC_Part 27O (3700~3800MHz)_HPUE_Ant 5_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.00		17.40
100	PI/2 BPSK	1	137		17.07		17.40
100	PI/2 BPSK	1	271		17.16		17.40
100	PI/2 BPSK	135	0		17.16		17.40
100	PI/2 BPSK	135	69		17.13		17.40
100	PI/2 BPSK	135	138		17.16		17.40
100	PI/2 BPSK	270	0		17.13		17.40
100	QPSK	1	1		17.02		17.40

100	QPSK	1	137		17.20		17.40
100	QPSK	1	271		17.19		17.40
100	QPSK	135	0		17.18		17.40
100	QPSK	135	69		17.14		17.40
100	QPSK	135	138		17.24		17.40
100	QPSK	270	0		17.12		17.40
100	16QAM	1	1		16.88		17.40
100	64QAM	1	1		17.03		17.40
100	256QAM	1	1		17.20		17.40
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	16.92	16.93	16.90	17.40
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	16.95	16.81	16.85	17.40
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	16.87	16.90	16.92	17.40
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	16.96	16.91	16.94	17.40
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	16.85	16.85	16.96	17.40
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	16.84	16.82	16.84	17.40
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.88	16.90	16.83	17.40
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	16.91	16.85	16.90	17.40
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	16.94	16.77	16.83	17.40
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	16.89	16.91	16.84	17.40
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	16.84	16.88	16.97	17.40

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 5_ECI 6】

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		20.38		20.70
100	PI/2 BPSK	1	137		20.55		20.70
100	PI/2 BPSK	1	271		20.70		20.70
100	PI/2 BPSK	135	0		20.49		20.70
100	PI/2 BPSK	135	69		20.53		20.70
100	PI/2 BPSK	135	138		20.70		20.70
100	PI/2 BPSK	270	0		20.50		20.70
100	QPSK	1	1		20.41		20.70
100	QPSK	1	137		20.58		20.70
100	QPSK	1	271		20.70		20.70
100	QPSK	135	0		20.53		20.70
100	QPSK	135	69		20.60		20.70
100	QPSK	135	138		20.70		20.70
100	QPSK	270	0		20.59		20.70
100	16QAM	1	1		20.38		20.70
100	64QAM	1	1		20.46		20.70
100	256QAM	1	1		20.69		20.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.36	20.37	20.36	20.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.28	20.34	20.33	20.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.22	20.33	20.28	20.70

Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.27	20.30	20.24	20.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.31	20.23	20.23	20.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.23	20.33	20.29	20.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.34	20.30	20.21	20.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.33	20.36	20.25	20.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.32	20.27	20.28	20.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.29	20.35	20.30	20.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.33	20.24	20.21	20.70

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 5_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.50		20.70
100	PI/2 BPSK	1	137		20.63		20.70
100	PI/2 BPSK	1	271		20.70		20.70
100	PI/2 BPSK	135	0		20.62		20.70
100	PI/2 BPSK	135	69		20.62		20.70
100	PI/2 BPSK	135	138		20.70		20.70
100	PI/2 BPSK	270	0		20.63		20.70
100	QPSK	1	1		20.52		20.70
100	QPSK	1	137		20.67		20.70
100	QPSK	1	271		20.70		20.70
100	QPSK	135	0		20.65		20.70
100	QPSK	135	69		20.68		20.70
100	QPSK	135	138		20.70		20.70
100	QPSK	270	0		20.67		20.70
100	16QAM	1	1		20.48		20.70
100	64QAM	1	1		20.54		20.70
100	256QAM	1	1		20.70		20.70
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.49	20.48	20.47	20.70
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.39	20.42	20.41	20.70
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.36	20.35	20.41	20.70
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.42	20.43	20.38	20.70
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.47	20.47	20.38	20.70
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.36	20.33	20.39	20.70
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.36	20.34	20.35	20.70
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.46	20.45	20.42	20.70
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.47	20.41	20.38	20.70

Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.41	20.33	20.40	20.70
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.47	20.34	20.44	20.70

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 5_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.38		22.10
100	PI/2 BPSK	1	137		20.55		22.10
100	PI/2 BPSK	1	271		20.70		22.10
100	PI/2 BPSK	135	0		20.49		22.10
100	PI/2 BPSK	135	69		20.53		22.10
100	PI/2 BPSK	135	138		20.70		22.10
100	PI/2 BPSK	270	0		20.50		22.10
100	QPSK	1	1		20.41		22.10
100	QPSK	1	137		20.58		22.10
100	QPSK	1	271		20.70		22.10
100	QPSK	135	0		20.53		22.10
100	QPSK	135	69		20.60		22.10
100	QPSK	135	138		20.70		22.10
100	QPSK	270	0		20.59		22.10
100	16QAM	1	1		20.38		22.10
100	64QAM	1	1		20.46		22.10
100	256QAM	1	1		20.69		22.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.36	20.37	20.36	22.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.28	20.34	20.33	22.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.22	20.33	20.28	22.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.27	20.30	20.24	22.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.31	20.23	20.23	22.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.23	20.33	20.29	22.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.34	20.30	20.21	22.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.33	20.36	20.25	22.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.32	20.27	20.28	22.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.29	20.35	20.30	22.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.33	20.24	20.21	22.10

【FR1 n78 (27Q) _FCC_Part 27Q (3700~3800MHz)_HPUE_Ant 5_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.50		22.10
100	PI/2 BPSK	1	137		20.63		22.10

100	PI/2 BPSK	1	271		20.70		22.10
100	PI/2 BPSK	135	0		20.62		22.10
100	PI/2 BPSK	135	69		20.62		22.10
100	PI/2 BPSK	135	138		20.70		22.10
100	PI/2 BPSK	270	0		20.63		22.10
100	QPSK	1	1		20.52		22.10
100	QPSK	1	137		20.67		22.10
100	QPSK	1	271		20.70		22.10
100	QPSK	135	0		20.65		22.10
100	QPSK	135	69		20.68		22.10
100	QPSK	135	138		20.70		22.10
100	QPSK	270	0		20.67		22.10
100	16QAM	1	1		20.48		22.10
100	64QAM	1	1		20.54		22.10
100	256QAM	1	1		20.70		22.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.49	20.48	20.47	22.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.39	20.42	20.41	22.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.36	20.35	20.41	22.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.42	20.43	20.38	22.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.47	20.47	20.38	22.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.36	20.33	20.39	22.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.36	20.34	20.35	22.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.46	20.45	20.42	22.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.47	20.41	20.38	22.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.41	20.33	20.40	22.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.47	20.34	20.44	22.10

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 5_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.38		20.70
100	PI/2 BPSK	1	137		20.55		20.70
100	PI/2 BPSK	1	271		20.70		20.70
100	PI/2 BPSK	135	0		20.49		20.70
100	PI/2 BPSK	135	69		20.53		20.70
100	PI/2 BPSK	135	138		20.70		20.70
100	PI/2 BPSK	270	0		20.50		20.70
100	QPSK	1	1		20.41		20.70
100	QPSK	1	137		20.58		20.70
100	QPSK	1	271		20.70		20.70
100	QPSK	135	0		20.53		20.70
100	QPSK	135	69		20.60		20.70
100	QPSK	135	138		20.70		20.70
100	QPSK	270	0		20.59		20.70
100	16QAM	1	1		20.38		20.70
100	64QAM	1	1		20.46		20.70
100	256QAM	1	1		20.69		20.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.36	20.37	20.36	20.70

Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.28	20.34	20.33	20.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.22	20.33	20.28	20.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.27	20.30	20.24	20.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.31	20.23	20.23	20.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.23	20.33	20.29	20.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.34	20.30	20.21	20.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.33	20.36	20.25	20.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.32	20.27	20.28	20.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.29	20.35	20.30	20.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.33	20.24	20.21	20.70

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_HPUE_Ant 5_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.50		20.70
100	PI/2 BPSK	1	137		20.63		20.70
100	PI/2 BPSK	1	271		20.70		20.70
100	PI/2 BPSK	135	0		20.62		20.70
100	PI/2 BPSK	135	69		20.62		20.70
100	PI/2 BPSK	135	138		20.70		20.70
100	PI/2 BPSK	270	0		20.63		20.70
100	QPSK	1	1		20.52		20.70
100	QPSK	1	137		20.67		20.70
100	QPSK	1	271		20.70		20.70
100	QPSK	135	0		20.65		20.70
100	QPSK	135	69		20.68		20.70
100	QPSK	135	138		20.70		20.70
100	QPSK	270	0		20.67		20.70
100	16QAM	1	1		20.48		20.70
100	64QAM	1	1		20.54		20.70
100	256QAM	1	1		20.70		20.70
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.49	20.48	20.47	20.70
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.39	20.42	20.41	20.70
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.36	20.35	20.41	20.70
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.42	20.43	20.38	20.70
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.47	20.47	20.38	20.70
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.36	20.33	20.39	20.70
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.36	20.34	20.35	20.70

Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.46	20.45	20.42	20.70
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.47	20.41	20.38	20.70
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.41	20.33	20.40	20.70
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.47	20.34	20.44	20.70

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 6_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.10		24.90
100	PI/2 BPSK	1	137		24.20		24.90
100	PI/2 BPSK	1	271		24.08		24.90
100	PI/2 BPSK	135	0		23.64		23.90
100	PI/2 BPSK	135	69		24.12		24.90
100	PI/2 BPSK	135	138		23.64		23.90
100	PI/2 BPSK	270	0		23.60		23.90
100	QPSK	1	1		24.03		25.10
100	QPSK	1	137		24.16		25.10
100	QPSK	1	271		24.04		25.10
100	QPSK	135	0		23.14		24.10
100	QPSK	135	69		24.12		25.10
100	QPSK	135	138		23.15		24.10
100	QPSK	270	0		23.11		24.10
100	16QAM	1	1		23.38		24.10
100	64QAM	1	1		21.68		22.60
100	256QAM	1	1		19.96		20.60
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	24.15	24.05	24.13	25.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	QPSK	1	1	24.02	23.95	24.07	25.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	24.13	23.98	24.04	25.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	24.01	23.98	24.05	25.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	24.09	23.92	24.03	25.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	24.03	23.95	24.09	25.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	24.10	23.97	24.10	25.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	24.05	24.02	24.07	25.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	24.09	23.97	24.05	25.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	24.05	24.04	24.12	25.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)

10	QPSK	1	1	24.13	24.00	24.01	25.10
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【FR1 n78 (270) _FCC_Part 27O (3700~3800MHz)_Ant 6 _ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.12		25.10
100	PI/2 BPSK	1	137		24.13		25.10
100	PI/2 BPSK	1	271		24.01		25.10
100	PI/2 BPSK	135	0		23.65		24.60
100	PI/2 BPSK	135	69		24.09		25.10
100	PI/2 BPSK	135	138		23.59		24.60
100	PI/2 BPSK	270	0		23.62		24.60
100	QPSK	1	1		24.06		25.10
100	QPSK	1	137		24.12		25.10
100	QPSK	1	271		23.97		25.10
100	QPSK	135	0		23.14		24.10
100	QPSK	135	69		24.09		25.10
100	QPSK	135	138		23.11		24.10
100	QPSK	270	0		23.12		24.10
100	16QAM	1	1		23.41		24.10
100	64QAM	1	1		21.69		22.60
100	256QAM	1	1		19.99		20.60
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	24.10	24.09	24.12	25.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	24.08	23.97	24.00	25.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	24.08	24.03	24.00	25.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	24.00	23.97	23.99	25.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.97	23.98	24.07	25.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	24.06	24.03	24.10	25.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	24.06	23.95	24.07	25.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.99	24.04	24.05	25.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	24.05	24.01	24.09	25.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.97	24.07	23.99	25.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.96	24.06	24.09	25.10

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 6 _ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.10		24.80
100	PI/2 BPSK	1	137		24.20		24.80
100	PI/2 BPSK	1	271		24.08		24.80
100	PI/2 BPSK	135	0		23.64		23.80
100	PI/2 BPSK	135	69		24.12		24.80
100	PI/2 BPSK	135	138		23.64		23.80
100	PI/2 BPSK	270	0		23.60		23.80



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100	QPSK	1	1		24.03		25.00
100	QPSK	1	137		24.16		25.00
100	QPSK	1	271		24.04		25.00
100	QPSK	135	0		23.14		24.00
100	QPSK	135	69		24.12		25.00
100	QPSK	135	138		23.15		24.00
100	QPSK	270	0		23.11		24.00
100	16QAM	1	1		23.38		24.00
100	64QAM	1	1		21.68		22.50
100	256QAM	1	1		19.96		20.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	24.15	24.05	24.13	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	QPSK	1	1	24.02	23.95	24.07	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	24.13	23.98	24.04	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	24.01	23.98	24.05	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	24.09	23.92	24.03	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	24.03	23.95	24.09	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	24.10	23.97	24.10	25.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	24.05	24.02	24.07	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	24.09	23.97	24.05	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	24.05	24.04	24.12	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	24.13	24.00	24.01	25.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 6_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.12		25.00
100	PI/2 BPSK	1	137		24.13		25.00
100	PI/2 BPSK	1	271		24.01		25.00
100	PI/2 BPSK	135	0		23.65		24.50
100	PI/2 BPSK	135	69		24.09		25.00
100	PI/2 BPSK	135	138		23.59		24.50
100	PI/2 BPSK	270	0		23.62		24.50
100	QPSK	1	1		24.06		25.00
100	QPSK	1	137		24.12		25.00
100	QPSK	1	271		23.97		25.00
100	QPSK	135	0		23.14		24.00
100	QPSK	135	69		24.09		25.00
100	QPSK	135	138		23.11		24.00
100	QPSK	270	0		23.12		24.00
100	16QAM	1	1		23.41		24.00
100	64QAM	1	1		21.69		22.50
100	256QAM	1	1		19.99		20.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	24.10	24.09	24.12	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	24.08	23.97	24.00	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)

70	PI/2 BPSK	1	1	24.08	24.03	24.00	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	24.00	23.97	23.99	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.97	23.98	24.07	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	24.06	24.03	24.10	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	24.06	23.95	24.07	25.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.99	24.04	24.05	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	24.05	24.01	24.09	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.97	24.07	23.99	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.96	24.06	24.09	25.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 6_ECI 6】

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		15.23		15.70
100	PI/2 BPSK	1	137		15.22		15.70
100	PI/2 BPSK	1	271		15.17		15.70
100	PI/2 BPSK	135	0		15.26		15.70
100	PI/2 BPSK	135	69		15.17		15.70
100	PI/2 BPSK	135	138		15.13		15.70
100	PI/2 BPSK	270	0		15.17		15.70
100	QPSK	1	1		15.18		15.70
100	QPSK	1	137		15.19		15.70
100	QPSK	1	271		15.12		15.70
100	QPSK	135	0		15.29		15.70
100	QPSK	135	69		15.20		15.70
100	QPSK	135	138		15.17		15.70
100	QPSK	270	0		15.21		15.70
100	16QAM	1	1		15.47		15.70
100	64QAM	1	1		15.27		15.70
100	256QAM	1	1		15.56		15.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.21	15.24	15.23	15.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.13	15.23	15.12	15.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.11	15.21	15.11	15.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.11	15.21	15.21	15.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.11	15.12	15.11	15.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.17	15.13	15.21	15.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.19	15.15	15.20	15.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.15	15.18	15.18	15.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)

20	PI/2 BPSK	1	1	15.14	15.21	15.21	15.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.11	15.15	15.11	15.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.14	15.22	15.19	15.70

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_Ant 6 _ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.21		15.70
100	PI/2 BPSK	1	137		15.10		15.70
100	PI/2 BPSK	1	271		15.13		15.70
100	PI/2 BPSK	135	0		15.23		15.70
100	PI/2 BPSK	135	69		15.12		15.70
100	PI/2 BPSK	135	138		15.10		15.70
100	PI/2 BPSK	270	0		15.12		15.70
100	QPSK	1	1		15.15		15.70
100	QPSK	1	137		15.11		15.70
100	QPSK	1	271		15.11		15.70
100	QPSK	135	0		15.24		15.70
100	QPSK	135	69		15.11		15.70
100	QPSK	135	138		15.11		15.70
100	QPSK	270	0		15.16		15.70
100	16QAM	1	1		15.46		15.70
100	64QAM	1	1		15.22		15.70
100	256QAM	1	1		15.56		15.70
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.23	15.17	15.20	15.70
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.18	15.12	15.11	15.70
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.15	15.12	15.13	15.70
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.12	15.12	15.11	15.70
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.16	15.12	15.12	15.70
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.11	15.11	15.18	15.70
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.13	15.11	15.11	15.70
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.11	15.11	15.13	15.70
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.16	15.15	15.13	15.70
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.16	15.12	15.17	15.70
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.11	15.11	15.13	15.70

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 6 _ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.23		17.10

100	PI/2 BPSK	1	137		15.22		17.10
100	PI/2 BPSK	1	271		15.17		17.10
100	PI/2 BPSK	135	0		15.26		17.10
100	PI/2 BPSK	135	69		15.17		17.10
100	PI/2 BPSK	135	138		15.13		17.10
100	PI/2 BPSK	270	0		15.17		17.10
100	QPSK	1	1		15.18		17.10
100	QPSK	1	137		15.19		17.10
100	QPSK	1	271		15.12		17.10
100	QPSK	135	0		15.29		17.10
100	QPSK	135	69		15.20		17.10
100	QPSK	135	138		15.17		17.10
100	QPSK	270	0		15.21		17.10
100	16QAM	1	1		15.47		17.10
100	64QAM	1	1		15.27		17.10
100	256QAM	1	1		15.56		17.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.21	15.24	15.23	17.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.13	15.23	15.12	17.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.11	15.21	15.11	17.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.11	15.21	15.21	17.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.11	15.12	15.11	17.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.17	15.13	15.21	17.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.19	15.15	15.20	17.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.15	15.18	15.18	17.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.14	15.21	15.21	17.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.11	15.15	15.11	17.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.14	15.22	15.19	17.10

【FR1 n78 (270) _ FCC_Part 270 (3700~3800MHz)_Ant 6_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.21		17.10
100	PI/2 BPSK	1	137		15.10		17.10
100	PI/2 BPSK	1	271		15.13		17.10
100	PI/2 BPSK	135	0		15.23		17.10
100	PI/2 BPSK	135	69		15.12		17.10
100	PI/2 BPSK	135	138		15.10		17.10
100	PI/2 BPSK	270	0		15.12		17.10
100	QPSK	1	1		15.15		17.10
100	QPSK	1	137		15.11		17.10
100	QPSK	1	271		15.11		17.10
100	QPSK	135	0		15.24		17.10
100	QPSK	135	69		15.11		17.10
100	QPSK	135	138		15.11		17.10
100	QPSK	270	0		15.16		17.10
100	16QAM	1	1		15.46		17.10
100	64QAM	1	1		15.22		17.10
100	256QAM	1	1		15.56		17.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)

90	PI/2 BPSK	1	1	15.23	15.17	15.20	17.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.18	15.12	15.11	17.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.15	15.12	15.13	17.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.12	15.12	15.11	17.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.16	15.12	15.12	17.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.11	15.11	15.18	17.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.13	15.11	15.11	17.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.11	15.11	15.13	17.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.16	15.15	15.13	17.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.16	15.12	15.17	17.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.11	15.11	15.13	17.10

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.23		15.70
100	PI/2 BPSK	1	137		15.22		15.70
100	PI/2 BPSK	1	271		15.17		15.70
100	PI/2 BPSK	135	0		15.26		15.70
100	PI/2 BPSK	135	69		15.17		15.70
100	PI/2 BPSK	135	138		15.13		15.70
100	PI/2 BPSK	270	0		15.17		15.70
100	QPSK	1	1		15.18		15.70
100	QPSK	1	137		15.19		15.70
100	QPSK	1	271		15.12		15.70
100	QPSK	135	0		15.29		15.70
100	QPSK	135	69		15.20		15.70
100	QPSK	135	138		15.17		15.70
100	QPSK	270	0		15.21		15.70
100	16QAM	1	1		15.47		15.70
100	64QAM	1	1		15.27		15.70
100	256QAM	1	1		15.56		15.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.21	15.24	15.23	15.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.13	15.23	15.12	15.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.11	15.21	15.11	15.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.11	15.21	15.21	15.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.11	15.12	15.11	15.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.17	15.13	15.21	15.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)

30	PI/2 BPSK	1	1	15.19	15.15	15.20	15.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.15	15.18	15.18	15.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.14	15.21	15.21	15.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.11	15.15	15.11	15.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.14	15.22	15.19	15.70

【FR1 n78 (270) FCC_Part 270 (3700~3800MHz)_Ant 6_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.21		15.70
100	PI/2 BPSK	1	137		15.10		15.70
100	PI/2 BPSK	1	271		15.13		15.70
100	PI/2 BPSK	135	0		15.23		15.70
100	PI/2 BPSK	135	69		15.12		15.70
100	PI/2 BPSK	135	138		15.10		15.70
100	PI/2 BPSK	270	0		15.12		15.70
100	QPSK	1	1		15.15		15.70
100	QPSK	1	137		15.11		15.70
100	QPSK	1	271		15.11		15.70
100	QPSK	135	0		15.24		15.70
100	QPSK	135	69		15.11		15.70
100	QPSK	135	138		15.11		15.70
100	QPSK	270	0		15.16		15.70
100	16QAM	1	1		15.46		15.70
100	64QAM	1	1		15.22		15.70
100	256QAM	1	1		15.56		15.70
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.23	15.17	15.20	15.70
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.18	15.12	15.11	15.70
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.15	15.12	15.13	15.70
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.12	15.12	15.11	15.70
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.16	15.12	15.12	15.70
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.11	15.11	15.18	15.70
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.13	15.11	15.11	15.70
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.11	15.11	15.13	15.70
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.16	15.15	15.13	15.70
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.16	15.12	15.17	15.70
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.11	15.11	15.13	15.70

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.13		27.10
100	PI/2 BPSK	1	137		26.10		27.10
100	PI/2 BPSK	1	271		26.07		27.10
100	PI/2 BPSK	135	0		24.48		25.60
100	PI/2 BPSK	135	69		25.89		27.10
100	PI/2 BPSK	135	138		24.43		25.60
100	PI/2 BPSK	270	0		24.50		25.60
100	QPSK	1	1		26.06		27.10
100	QPSK	1	137		26.05		27.10
100	QPSK	1	271		26.00		27.10
100	QPSK	135	0		24.07		25.10
100	QPSK	135	69		26.00		27.10
100	QPSK	135	138		24.00		25.10
100	QPSK	270	0		24.04		25.10
100	16QAM	1	1		24.70		26.10
100	64QAM	1	1		23.85		24.60
100	256QAM	1	1		21.67		22.60
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.10	26.09	26.11	27.10
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.03	25.99	26.03	27.10
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.06	25.98	26.10	27.10
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.03	26.04	26.01	27.10
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.00	26.03	26.01	27.10
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.02	26.02	26.09	27.10
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.03	26.06	25.99	27.10
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.03	26.07	26.00	27.10
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.99	26.00	26.00	27.10
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.06	26.08	26.09	27.10
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.03	26.05	26.07	27.10

【FR1 n78 (27Q) _FCC_Part 27Q (3700~3800MHz)_HPUE_Ant 6_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		26.02		27.10
100	PI/2 BPSK	1	137		26.25		27.10
100	PI/2 BPSK	1	271		26.19		27.10
100	PI/2 BPSK	135	0		24.60		25.60
100	PI/2 BPSK	135	69		26.06		27.10

100	PI/2 BPSK	135	138		24.57		25.60
100	PI/2 BPSK	270	0		24.60		25.60
100	QPSK	1	1		25.96		27.10
100	QPSK	1	137		26.19		27.10
100	QPSK	1	271		26.12		27.10
100	QPSK	135	0		24.16		25.10
100	QPSK	135	69		26.16		27.10
100	QPSK	135	138		24.14		25.10
100	QPSK	270	0		24.15		25.10
100	16QAM	1	1		24.65		26.10
100	64QAM	1	1		23.83		24.60
100	256QAM	1	1		21.63		22.60
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	26.01	26.10	26.08	27.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	26.00	25.97	25.99	27.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.90	25.98	25.95	27.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.97	25.95	26.00	27.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.89	26.08	26.06	27.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.97	26.08	26.03	27.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.89	26.01	25.99	27.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.92	26.05	26.04	27.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.95	25.98	25.97	27.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.88	26.06	25.99	27.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.95	26.04	25.99	27.10

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6 _ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.13		27.10
100	PI/2 BPSK	1	137		26.10		27.10
100	PI/2 BPSK	1	271		26.07		27.10
100	PI/2 BPSK	135	0		24.48		25.60
100	PI/2 BPSK	135	69		25.89		27.10
100	PI/2 BPSK	135	138		24.43		25.60
100	PI/2 BPSK	270	0		24.50		25.60
100	QPSK	1	1		26.06		27.10
100	QPSK	1	137		26.05		27.10
100	QPSK	1	271		26.00		27.10
100	QPSK	135	0		24.07		25.10
100	QPSK	135	69		26.00		27.10
100	QPSK	135	138		24.00		25.10
100	QPSK	270	0		24.04		25.10
100	16QAM	1	1		24.70		26.10
100	64QAM	1	1		23.85		24.60
100	256QAM	1	1		21.67		22.60
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.10	26.09	26.11	27.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.03	25.99	26.03	27.10

Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.06	25.98	26.10	27.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	26.03	26.04	26.01	27.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.00	26.03	26.01	27.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	26.02	26.02	26.09	27.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.03	26.06	25.99	27.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.03	26.07	26.00	27.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.99	26.00	26.00	27.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	26.06	26.08	26.09	27.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.03	26.05	26.07	27.10

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 6_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		26.02		27.10
100	PI/2 BPSK	1	137		26.25		27.10
100	PI/2 BPSK	1	271		26.19		27.10
100	PI/2 BPSK	135	0		24.60		25.60
100	PI/2 BPSK	135	69		26.06		27.10
100	PI/2 BPSK	135	138		24.57		25.60
100	PI/2 BPSK	270	0		24.60		25.60
100	QPSK	1	1		25.96		27.10
100	QPSK	1	137		26.19		27.10
100	QPSK	1	271		26.12		27.10
100	QPSK	135	0		24.16		25.10
100	QPSK	135	69		26.16		27.10
100	QPSK	135	138		24.14		25.10
100	QPSK	270	0		24.15		25.10
100	16QAM	1	1		24.65		26.10
100	64QAM	1	1		23.83		24.60
100	256QAM	1	1		21.63		22.60
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	26.01	26.10	26.08	27.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	26.00	25.97	25.99	27.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.90	25.98	25.95	27.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.97	25.95	26.00	27.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.89	26.08	26.06	27.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.97	26.08	26.03	27.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.89	26.01	25.99	27.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.92	26.05	26.04	27.10

Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.95	25.98	25.97	27.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.88	26.06	25.99	27.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.95	26.04	25.99	27.10

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.53		18.70
100	PI/2 BPSK	1	137		18.56		18.70
100	PI/2 BPSK	1	271		18.46		18.70
100	PI/2 BPSK	135	0		18.53		18.70
100	PI/2 BPSK	135	69		18.42		18.70
100	PI/2 BPSK	135	138		18.46		18.70
100	PI/2 BPSK	270	0		18.53		18.70
100	QPSK	1	1		18.51		18.70
100	QPSK	1	137		18.53		18.70
100	QPSK	1	271		18.44		18.70
100	QPSK	135	0		18.62		18.70
100	QPSK	135	69		18.56		18.70
100	QPSK	135	138		18.54		18.70
100	QPSK	270	0		18.57		18.70
100	16QAM	1	1		18.18		18.70
100	64QAM	1	1		18.61		18.70
100	256QAM	1	1		18.67		18.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.45	18.44	18.36	18.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.43	18.38	18.22	18.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.35	18.42	18.32	18.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.40	18.30	18.29	18.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.35	18.40	18.25	18.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.43	18.34	18.26	18.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.43	18.33	18.27	18.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.39	18.30	18.29	18.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.43	18.32	18.30	18.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	18.36	18.42	18.21	18.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.32	18.35	18.27	18.70

【FR1 n78 (270) _FCC_Part 27O (3700~3800MHz)_HPUE_Ant 6_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.50		18.70
100	PI/2 BPSK	1	137		18.56		18.70
100	PI/2 BPSK	1	271		18.58		18.70
100	PI/2 BPSK	135	0		18.64		18.70
100	PI/2 BPSK	135	69		18.61		18.70
100	PI/2 BPSK	135	138		18.63		18.70
100	PI/2 BPSK	270	0		18.65		18.70
100	QPSK	1	1		18.45		18.70
100	QPSK	1	137		18.66		18.70
100	QPSK	1	271		18.52		18.70
100	QPSK	135	0		18.65		18.70
100	QPSK	135	69		18.61		18.70
100	QPSK	135	138		18.68		18.70
100	QPSK	270	0		18.56		18.70
100	16QAM	1	1		18.12		18.70
100	64QAM	1	1		18.69		18.70
100	256QAM	1	1		18.63		18.70
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	18.61	18.51	18.55	18.70
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	18.51	18.41	18.52	18.70
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	18.55	18.39	18.45	18.70
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	18.46	18.40	18.40	18.70
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	18.50	18.46	18.52	18.70
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	18.51	18.49	18.51	18.70
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	18.53	18.43	18.51	18.70
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	18.52	18.45	18.42	18.70
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	18.49	18.37	18.40	18.70
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	18.52	18.38	18.52	18.70
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	18.54	18.49	18.48	18.70

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.53		20.10
100	PI/2 BPSK	1	137		18.56		20.10
100	PI/2 BPSK	1	271		18.46		20.10
100	PI/2 BPSK	135	0		18.53		20.10
100	PI/2 BPSK	135	69		18.42		20.10
100	PI/2 BPSK	135	138		18.46		20.10
100	PI/2 BPSK	270	0		18.53		20.10
100	QPSK	1	1		18.51		20.10
100	QPSK	1	137		18.53		20.10
100	QPSK	1	271		18.44		20.10

100	QPSK	135	0		18.62		20.10
100	QPSK	135	69		18.56		20.10
100	QPSK	135	138		18.54		20.10
100	QPSK	270	0		18.57		20.10
100	16QAM	1	1		18.18		20.10
100	64QAM	1	1		18.61		20.10
100	256QAM	1	1		18.67		20.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.45	18.44	18.36	20.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.43	18.38	18.22	20.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.35	18.42	18.32	20.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.40	18.30	18.29	20.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.35	18.40	18.25	20.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.43	18.34	18.26	20.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.43	18.33	18.27	20.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.39	18.30	18.29	20.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.43	18.32	18.30	20.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	18.36	18.42	18.21	20.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.32	18.35	18.27	20.10

【FR1 n78 (270) FCC_Part 270 (3700~3800MHz) HPUE_Ant 6 ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.50		20.10
100	PI/2 BPSK	1	137		18.56		20.10
100	PI/2 BPSK	1	271		18.58		20.10
100	PI/2 BPSK	135	0		18.64		20.10
100	PI/2 BPSK	135	69		18.61		20.10
100	PI/2 BPSK	135	138		18.63		20.10
100	PI/2 BPSK	270	0		18.65		20.10
100	QPSK	1	1		18.45		20.10
100	QPSK	1	137		18.66		20.10
100	QPSK	1	271		18.52		20.10
100	QPSK	135	0		18.65		20.10
100	QPSK	135	69		18.61		20.10
100	QPSK	135	138		18.68		20.10
100	QPSK	270	0		18.56		20.10
100	16QAM	1	1		18.12		20.10
100	64QAM	1	1		18.69		20.10
100	256QAM	1	1		18.63		20.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	18.61	18.51	18.55	20.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	18.51	18.41	18.52	20.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	18.55	18.39	18.45	20.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)

60	PI/2 BPSK	1	1	18.46	18.40	18.40	20.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	18.50	18.46	18.52	20.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	18.51	18.49	18.51	20.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	18.53	18.43	18.51	20.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	18.52	18.45	18.42	20.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	18.49	18.37	18.40	20.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	18.52	18.38	18.52	20.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	18.54	18.49	18.48	20.10

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.53		18.70
100	PI/2 BPSK	1	137		18.56		18.70
100	PI/2 BPSK	1	271		18.46		18.70
100	PI/2 BPSK	135	0		18.53		18.70
100	PI/2 BPSK	135	69		18.42		18.70
100	PI/2 BPSK	135	138		18.46		18.70
100	PI/2 BPSK	270	0		18.53		18.70
100	QPSK	1	1		18.51		18.70
100	QPSK	1	137		18.53		18.70
100	QPSK	1	271		18.44		18.70
100	QPSK	135	0		18.62		18.70
100	QPSK	135	69		18.56		18.70
100	QPSK	135	138		18.54		18.70
100	QPSK	270	0		18.57		18.70
100	16QAM	1	1		18.18		18.70
100	64QAM	1	1		18.61		18.70
100	256QAM	1	1		18.67		18.70
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.45	18.44	18.36	18.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.43	18.38	18.22	18.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.35	18.42	18.32	18.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.40	18.30	18.29	18.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.35	18.40	18.25	18.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.43	18.34	18.26	18.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.43	18.33	18.27	18.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.39	18.30	18.29	18.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.43	18.32	18.30	18.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)

15	PI/2 BPSK	1	1	18.36	18.42	18.21	18.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.32	18.35	18.27	18.70

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 6_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.50		18.70
100	PI/2 BPSK	1	137		18.56		18.70
100	PI/2 BPSK	1	271		18.58		18.70
100	PI/2 BPSK	135	0		18.64		18.70
100	PI/2 BPSK	135	69		18.61		18.70
100	PI/2 BPSK	135	138		18.63		18.70
100	PI/2 BPSK	270	0		18.65		18.70
100	QPSK	1	1		18.45		18.70
100	QPSK	1	137		18.66		18.70
100	QPSK	1	271		18.52		18.70
100	QPSK	135	0		18.65		18.70
100	QPSK	135	69		18.61		18.70
100	QPSK	135	138		18.68		18.70
100	QPSK	270	0		18.56		18.70
100	16QAM	1	1		18.12		18.70
100	64QAM	1	1		18.69		18.70
100	256QAM	1	1		18.63		18.70
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	18.61	18.51	18.55	18.70
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	18.51	18.41	18.52	18.70
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	18.55	18.39	18.45	18.70
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	18.46	18.40	18.40	18.70
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	18.50	18.46	18.52	18.70
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	18.51	18.49	18.51	18.70
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	18.53	18.43	18.51	18.70
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	18.52	18.45	18.42	18.70
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	18.49	18.37	18.40	18.70
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	18.52	18.38	18.52	18.70
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	18.54	18.49	18.48	18.70

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 7 _ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.74		24.40
100	PI/2 BPSK	1	137		23.76		24.40
100	PI/2 BPSK	1	271		23.62		24.40
100	PI/2 BPSK	135	0		23.22		23.40
100	PI/2 BPSK	135	69		23.70		24.40
100	PI/2 BPSK	135	138		23.14		23.40
100	PI/2 BPSK	270	0		23.18		23.40
100	QPSK	1	1		23.69		24.60
100	QPSK	1	137		23.72		24.60
100	QPSK	1	271		23.59		24.60
100	QPSK	135	0		22.73		23.60
100	QPSK	135	69		23.70		24.60
100	QPSK	135	138		22.67		23.60
100	QPSK	270	0		22.69		23.60
100	16QAM	1	1		23.00		23.60
100	64QAM	1	1		21.27		22.10
100	256QAM	1	1		19.53		20.10
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	23.65	23.64	23.64	24.60
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	23.63	23.59	23.57	24.60
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	23.52	23.58	23.62	24.60
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	23.55	23.58	23.62	24.60
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	23.52	23.52	23.51	24.60
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	23.54	23.55	23.56	24.60
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	23.62	23.53	23.54	24.60
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	23.63	23.53	23.58	24.60
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	23.53	23.50	23.50	24.60
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	23.63	23.50	23.50	24.60
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	23.58	23.63	23.52	24.60

【FR1 n78 (27O) _FCC_Part 27O (3700~3800MHz)_Ant 7 _ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.38		24.40
100	PI/2 BPSK	1	137		23.41		24.40
100	PI/2 BPSK	1	271		23.48		24.40
100	PI/2 BPSK	135	0		22.92		23.40
100	PI/2 BPSK	135	69		23.50		24.40
100	PI/2 BPSK	135	138		22.86		23.40

100	PI/2 BPSK	270	0		22.91		23.40
100	QPSK	1	1		23.37		24.60
100	QPSK	1	137		23.38		24.60
100	QPSK	1	271		23.44		24.60
100	QPSK	135	0		22.43		23.60
100	QPSK	135	69		23.37		24.60
100	QPSK	135	138		22.37		23.60
100	QPSK	270	0		22.41		23.60
100	16QAM	1	1		22.64		23.60
100	64QAM	1	1		20.93		22.10
100	256QAM	1	1		19.20		20.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	QPSK	1	1	23.31	23.36	23.33	24.60
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	QPSK	1	1	23.18	23.34	23.18	24.60
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	QPSK	1	1	23.28	23.27	23.26	24.60
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	QPSK	1	1	23.16	23.26	23.24	24.60
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	QPSK	1	1	23.16	23.24	23.25	24.60
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	QPSK	1	1	23.27	23.23	23.28	24.60
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	QPSK	1	1	23.27	23.27	23.31	24.60
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	QPSK	1	1	23.21	23.30	23.22	24.60
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	QPSK	1	1	23.23	23.22	23.22	24.60
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	QPSK	1	1	23.20	23.23	23.23	24.60
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	QPSK	1	1	23.24	23.34	23.21	24.60

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.81		23.20
100	PI/2 BPSK	1	137		21.80		23.20
100	PI/2 BPSK	1	271		21.46		23.20
100	PI/2 BPSK	135	0		21.72		23.20
100	PI/2 BPSK	135	69		21.75		23.20
100	PI/2 BPSK	135	138		21.68		23.20
100	PI/2 BPSK	270	0		21.66		23.20
100	QPSK	1	1		21.67		23.20
100	QPSK	1	137		21.76		23.20
100	QPSK	1	271		21.52		23.20
100	QPSK	135	0		21.70		23.20
100	QPSK	135	69		21.73		23.20
100	QPSK	135	138		21.60		23.20
100	QPSK	270	0		21.73		23.20
100	16QAM	1	1		22.02		23.20
100	64QAM	1	1		21.28		22.10
100	256QAM	1	1		19.55		20.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.77	21.79	21.76	23.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	21.66	21.76	21.66	23.20
Channel				632334	633332	634332	Tune-up limit



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	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.65	21.74	21.73	23.20
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	21.64	21.73	21.72	23.20
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.66	21.66	21.62	23.20
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.66	21.65	21.70	23.20
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.73	21.78	21.74	23.20
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	21.65	21.77	21.63	23.20
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	21.68	21.66	21.68	23.20
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	21.63	21.71	21.70	23.20
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.74	21.73	21.68	23.20

【FR1 n78 (270) FCC_Part 270 (3700~3800MHz)_Ant 7_ECI 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				650000		
	Frequency (MHz)				3750		
100	PI/2 BPSK	1	1		21.46		23.20
100	PI/2 BPSK	1	137		21.47		23.20
100	PI/2 BPSK	1	271		21.26		23.20
100	PI/2 BPSK	135	0		21.49		23.20
100	PI/2 BPSK	135	69		21.41		23.20
100	PI/2 BPSK	135	138		21.39		23.20
100	PI/2 BPSK	270	0		21.40		23.20
100	QPSK	1	1		21.38		23.20
100	QPSK	1	137		21.43		23.20
100	QPSK	1	271		21.23		23.20
100	QPSK	135	0		21.48		23.20
100	QPSK	135	69		21.39		23.20
100	QPSK	135	138		21.35		23.20
100	QPSK	270	0		21.39		23.20
100	16QAM	1	1		21.65		23.20
100	64QAM	1	1		20.96		22.10
100	256QAM	1	1		19.25		20.10
	Channel			649668	650000	650332	Tune-up limit
	Frequency (MHz)			3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	21.41	21.44	21.43	23.20
	Channel			649334	650000	650666	Tune-up limit
	Frequency (MHz)			3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	21.28	21.35	21.40	23.20
	Channel			649000	650000	651000	Tune-up limit
	Frequency (MHz)			3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	21.34	21.41	21.32	23.20
	Channel			648668	650000	651332	Tune-up limit
	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	21.29	21.29	21.35	23.20
	Channel			648334	650000	651666	Tune-up limit
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	21.38	21.31	21.41	23.20
	Channel			648000	650000	652000	Tune-up limit
	Frequency (MHz)			3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	21.26	21.31	21.30	23.20
	Channel			647668	650000	652332	Tune-up limit
	Frequency (MHz)			3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	21.28	21.30	21.37	23.20
	Channel			647500	650000	652500	Tune-up limit
	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	21.38	21.37	21.31	23.20
	Channel			647334	650000	652666	Tune-up limit

Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	21.33	21.43	21.32	23.20
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	21.34	21.34	21.40	23.20
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	21.35	21.31	21.41	23.20

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 7 _ECI 6】

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		14.77		15.10
100	PI/2 BPSK	1	137		14.78		15.10
100	PI/2 BPSK	1	271		14.61		15.10
100	PI/2 BPSK	135	0		14.75		15.10
100	PI/2 BPSK	135	69		14.67		15.10
100	PI/2 BPSK	135	138		14.65		15.10
100	PI/2 BPSK	270	0		14.69		15.10
100	QPSK	1	1		14.72		15.10
100	QPSK	1	137		14.71		15.10
100	QPSK	1	271		14.58		15.10
100	QPSK	135	0		14.77		15.10
100	QPSK	135	69		14.70		15.10
100	QPSK	135	138		14.68		15.10
100	QPSK	270	0		14.73		15.10
100	16QAM	1	1		14.97		15.10
100	64QAM	1	1		14.76		15.10
100	256QAM	1	1		15.10		15.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.69	14.73	14.70	15.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.64	14.65	14.56	15.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.61	14.68	14.58	15.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.60	14.61	14.67	15.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.61	14.65	14.67	15.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.56	14.70	14.62	15.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.59	14.67	14.58	15.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.65	14.72	14.60	15.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.59	14.62	14.57	15.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.60	14.67	14.68	15.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.68	14.66	14.65	15.10

【FR1 n78 (27Q) _FCC_Part 27Q (3700~3800MHz)_Ant 7 _ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		

100	PI/2 BPSK	1	1		14.55		15.10
100	PI/2 BPSK	1	137		14.65		15.10
100	PI/2 BPSK	1	271		14.66		15.10
100	PI/2 BPSK	135	0		14.65		15.10
100	PI/2 BPSK	135	69		14.59		15.10
100	PI/2 BPSK	135	138		14.62		15.10
100	PI/2 BPSK	270	0		14.62		15.10
100	QPSK	1	1		14.50		15.10
100	QPSK	1	137		14.61		15.10
100	QPSK	1	271		14.61		15.10
100	QPSK	135	0		14.69		15.10
100	QPSK	135	69		14.62		15.10
100	QPSK	135	138		14.64		15.10
100	QPSK	270	0		14.64		15.10
100	16QAM	1	1		14.76		15.10
100	64QAM	1	1		14.55		15.10
100	256QAM	1	1		14.79		15.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.61	14.62	14.60	15.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.50	14.51	14.51	15.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.60	14.60	14.50	15.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.51	14.53	14.50	15.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.52	14.50	14.52	15.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	14.51	14.60	14.50	15.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.57	14.56	14.51	15.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	14.51	14.60	14.57	15.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	14.59	14.58	14.53	15.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	14.57	14.54	14.53	15.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	14.54	14.53	14.52	15.10

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.77		16.50
100	PI/2 BPSK	1	137		14.78		16.50
100	PI/2 BPSK	1	271		14.61		16.50
100	PI/2 BPSK	135	0		14.75		16.50
100	PI/2 BPSK	135	69		14.67		16.50
100	PI/2 BPSK	135	138		14.65		16.50
100	PI/2 BPSK	270	0		14.69		16.50
100	QPSK	1	1		14.72		16.50
100	QPSK	1	137		14.71		16.50
100	QPSK	1	271		14.58		16.50
100	QPSK	135	0		14.77		16.50
100	QPSK	135	69		14.70		16.50
100	QPSK	135	138		14.68		16.50
100	QPSK	270	0		14.73		16.50
100	16QAM	1	1		14.97		16.50
100	64QAM	1	1		14.76		16.50
100	256QAM	1	1		15.10		16.50
Channel				633000	633332	633666	Tune-up limit

	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.69	14.73	14.70	16.50
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.64	14.65	14.56	16.50
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.61	14.68	14.58	16.50
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.60	14.61	14.67	16.50
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.61	14.65	14.67	16.50
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.56	14.70	14.62	16.50
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.59	14.67	14.58	16.50
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.65	14.72	14.60	16.50
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.59	14.62	14.57	16.50
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.60	14.67	14.68	16.50
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.68	14.66	14.65	16.50

【FR1 n78 (270) FCC_Part 270 (3700~3800MHz)_Ant 7_ECI 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				650000		
	Frequency (MHz)				3750		
100	PI/2 BPSK	1	1		14.55		16.50
100	PI/2 BPSK	1	137		14.65		16.50
100	PI/2 BPSK	1	271		14.66		16.50
100	PI/2 BPSK	135	0		14.65		16.50
100	PI/2 BPSK	135	69		14.59		16.50
100	PI/2 BPSK	135	138		14.62		16.50
100	PI/2 BPSK	270	0		14.62		16.50
100	QPSK	1	1		14.50		16.50
100	QPSK	1	137		14.61		16.50
100	QPSK	1	271		14.61		16.50
100	QPSK	135	0		14.69		16.50
100	QPSK	135	69		14.62		16.50
100	QPSK	135	138		14.64		16.50
100	QPSK	270	0		14.64		16.50
100	16QAM	1	1		14.76		16.50
100	64QAM	1	1		14.55		16.50
100	256QAM	1	1		14.79		16.50
	Channel			649668	650000	650332	Tune-up limit
	Frequency (MHz)			3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.61	14.62	14.60	16.50
	Channel			649334	650000	650666	Tune-up limit
	Frequency (MHz)			3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.50	14.51	14.51	16.50
	Channel			649000	650000	651000	Tune-up limit
	Frequency (MHz)			3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.60	14.60	14.50	16.50
	Channel			648668	650000	651332	Tune-up limit
	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.51	14.53	14.50	16.50
	Channel			648334	650000	651666	Tune-up limit
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.52	14.50	14.52	16.50
	Channel			648000	650000	652000	Tune-up limit
	Frequency (MHz)			3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	14.51	14.60	14.50	16.50
	Channel			647668	650000	652332	Tune-up limit

	Frequency (MHz)			3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.57	14.56	14.51	16.50
	Channel			647500	650000	652500	Tune-up limit
	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	14.51	14.60	14.57	16.50
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	14.59	14.58	14.53	16.50
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	14.57	14.54	14.53	16.50
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	14.54	14.53	14.52	16.50

【FR1 n78 (27Q) FCC_Part 27Q (3450~3550MHz)_Ant 7 _ECI 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				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		14.77		15.10
100	PI/2 BPSK	1	137		14.78		15.10
100	PI/2 BPSK	1	271		14.61		15.10
100	PI/2 BPSK	135	0		14.75		15.10
100	PI/2 BPSK	135	69		14.67		15.10
100	PI/2 BPSK	135	138		14.65		15.10
100	PI/2 BPSK	270	0		14.69		15.10
100	QPSK	1	1		14.72		15.10
100	QPSK	1	137		14.71		15.10
100	QPSK	1	271		14.58		15.10
100	QPSK	135	0		14.77		15.10
100	QPSK	135	69		14.70		15.10
100	QPSK	135	138		14.68		15.10
100	QPSK	270	0		14.73		15.10
100	16QAM	1	1		14.97		15.10
100	64QAM	1	1		14.76		15.10
100	256QAM	1	1		15.10		15.10
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.69	14.73	14.70	15.10
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.64	14.65	14.56	15.10
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.61	14.68	14.58	15.10
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.60	14.61	14.67	15.10
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.61	14.65	14.67	15.10
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.56	14.70	14.62	15.10
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.59	14.67	14.58	15.10
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.65	14.72	14.60	15.10
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.59	14.62	14.57	15.10
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.60	14.67	14.68	15.10
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.68	14.66	14.65	15.10

【FR1 n78 (270) FCC_Part 270 (3700~3800MHz)_Ant 7_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		14.55		15.10
100	PI/2 BPSK	1	137		14.65		15.10
100	PI/2 BPSK	1	271		14.66		15.10
100	PI/2 BPSK	135	0		14.65		15.10
100	PI/2 BPSK	135	69		14.59		15.10
100	PI/2 BPSK	135	138		14.62		15.10
100	PI/2 BPSK	270	0		14.62		15.10
100	QPSK	1	1		14.50		15.10
100	QPSK	1	137		14.61		15.10
100	QPSK	1	271		14.61		15.10
100	QPSK	135	0		14.69		15.10
100	QPSK	135	69		14.62		15.10
100	QPSK	135	138		14.64		15.10
100	QPSK	270	0		14.64		15.10
100	16QAM	1	1		14.76		15.10
100	64QAM	1	1		14.55		15.10
100	256QAM	1	1		14.79		15.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.61	14.62	14.60	15.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.50	14.51	14.51	15.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.60	14.60	14.50	15.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.51	14.53	14.50	15.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.52	14.50	14.52	15.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	14.51	14.60	14.50	15.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.57	14.56	14.51	15.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	14.51	14.60	14.57	15.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	14.59	14.58	14.53	15.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	14.57	14.54	14.53	15.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	14.54	14.53	14.52	15.10

【FR1 n78 (27Q) FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.72		26.60
100	PI/2 BPSK	1	137		25.73		26.60
100	PI/2 BPSK	1	271		25.67		26.60
100	PI/2 BPSK	135	0		24.09		25.10

100	PI/2 BPSK	135	69		25.51		26.60
100	PI/2 BPSK	135	138		24.05		25.10
100	PI/2 BPSK	270	0		24.09		25.10
100	QPSK	1	1		25.65		26.60
100	QPSK	1	137		25.70		26.60
100	QPSK	1	271		25.60		26.60
100	QPSK	135	0		23.67		24.60
100	QPSK	135	69		25.61		26.60
100	QPSK	135	138		23.64		24.60
100	QPSK	270	0		23.66		24.60
100	16QAM	1	1		24.31		25.60
100	64QAM	1	1		23.46		24.10
100	256QAM	1	1		21.25		22.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.70	25.70	25.68	26.60
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.63	25.58	25.65	26.60
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.66	25.62	25.56	26.60
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.63	25.55	25.60	26.60
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.64	25.60	25.65	26.60
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.64	25.60	25.55	26.60
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.63	25.63	25.62	26.60
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.58	25.56	25.62	26.60
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.64	25.65	25.66	26.60
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.59	25.60	25.63	26.60
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.62	25.65	25.59	26.60

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_HPUE_Ant 7_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.40		26.60
100	PI/2 BPSK	1	137		25.50		26.60
100	PI/2 BPSK	1	271		25.45		26.60
100	PI/2 BPSK	135	0		23.92		25.10
100	PI/2 BPSK	135	69		25.32		26.60
100	PI/2 BPSK	135	138		23.82		25.10
100	PI/2 BPSK	270	0		23.89		25.10
100	QPSK	1	1		25.35		26.60
100	QPSK	1	137		25.46		26.60
100	QPSK	1	271		25.39		26.60
100	QPSK	135	0		23.50		24.60
100	QPSK	135	69		25.42		26.60
100	QPSK	135	138		23.39		24.60
100	QPSK	270	0		23.43		24.60
100	16QAM	1	1		24.01		25.60
100	64QAM	1	1		23.18		24.10
100	256QAM	1	1		20.98		22.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.35	25.37	25.39	26.60
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)

80	PI/2 BPSK	1	1	25.26	25.36	25.38	26.60
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.31	25.32	25.36	26.60
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.21	25.29	25.37	26.60
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.22	25.35	25.37	26.60
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.21	25.36	25.34	26.60
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.27	25.32	25.34	26.60
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.24	25.36	25.37	26.60
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.34	25.31	25.33	26.60
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.23	25.35	25.31	26.60
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.29	25.33	25.34	26.60

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.72		26.20
100	PI/2 BPSK	1	137		25.73		26.20
100	PI/2 BPSK	1	271		25.67		26.20
100	PI/2 BPSK	135	0		24.09		25.10
100	PI/2 BPSK	135	69		25.51		26.20
100	PI/2 BPSK	135	138		24.05		25.10
100	PI/2 BPSK	270	0		24.09		25.10
100	QPSK	1	1		25.65		26.20
100	QPSK	1	137		25.70		26.20
100	QPSK	1	271		25.60		26.20
100	QPSK	135	0		23.67		24.60
100	QPSK	135	69		25.61		26.20
100	QPSK	135	138		23.64		24.60
100	QPSK	270	0		23.66		24.60
100	16QAM	1	1		24.31		25.60
100	64QAM	1	1		23.46		24.10
100	256QAM	1	1		21.25		22.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.70	25.70	25.68	26.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.63	25.58	25.65	26.20
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.66	25.62	25.56	26.20
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.63	25.55	25.60	26.20
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.64	25.60	25.65	26.20
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.64	25.60	25.55	26.20
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.63	25.63	25.62	26.20
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)

25	PI/2 BPSK	1	1	25.58	25.56	25.62	26.20
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.64	25.65	25.66	26.20
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.59	25.60	25.63	26.20
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.62	25.65	25.59	26.20

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_HPUE_Ant 7_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.40		26.20
100	PI/2 BPSK	1	137		25.50		26.20
100	PI/2 BPSK	1	271		25.45		26.20
100	PI/2 BPSK	135	0		23.92		25.10
100	PI/2 BPSK	135	69		25.32		26.20
100	PI/2 BPSK	135	138		23.82		25.10
100	PI/2 BPSK	270	0		23.89		25.10
100	QPSK	1	1		25.35		26.20
100	QPSK	1	137		25.46		26.20
100	QPSK	1	271		25.39		26.20
100	QPSK	135	0		23.50		24.60
100	QPSK	135	69		25.42		26.20
100	QPSK	135	138		23.39		24.60
100	QPSK	270	0		23.43		24.60
100	16QAM	1	1		24.01		25.60
100	64QAM	1	1		23.18		24.10
100	256QAM	1	1		20.98		22.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.35	25.37	25.39	26.20
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.26	25.36	25.38	26.20
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.31	25.32	25.36	26.20
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.21	25.29	25.37	26.20
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.22	25.35	25.37	26.20
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.21	25.36	25.34	26.20
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.27	25.32	25.34	26.20
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.24	25.36	25.37	26.20
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.34	25.31	25.33	26.20
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.23	25.35	25.31	26.20
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.29	25.33	25.34	26.20

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
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Channel				633332		
Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1	17.72		18.10
100	PI/2 BPSK	1	137	17.79		18.10
100	PI/2 BPSK	1	271	17.72		18.10
100	PI/2 BPSK	135	0	17.84		18.10
100	PI/2 BPSK	135	69	17.77		18.10
100	PI/2 BPSK	135	138	17.78		18.10
100	PI/2 BPSK	270	0	17.75		18.10
100	QPSK	1	1	17.75		18.10
100	QPSK	1	137	17.79		18.10
100	QPSK	1	271	17.74		18.10
100	QPSK	135	0	17.87		18.10
100	QPSK	135	69	17.82		18.10
100	QPSK	135	138	17.82		18.10
100	QPSK	270	0	17.81		18.10
100	16QAM	1	1	17.68		18.10
100	64QAM	1	1	17.74		18.10
100	256QAM	1	1	17.98		18.10
Channel				633000	633332	633666
Frequency (MHz)				3495	3499.98	3504.99
90	PI/2 BPSK	1	1	17.66	17.68	17.65
Channel				632668	633332	634000
Frequency (MHz)				3490.02	3499.98	3510
80	PI/2 BPSK	1	1	17.56	17.63	17.59
Channel				632334	633332	634332
Frequency (MHz)				3485.01	3499.98	3514.98
70	PI/2 BPSK	1	1	17.63	17.64	17.50
Channel				632000	633332	634666
Frequency (MHz)				3480	3499.98	3519.99
60	PI/2 BPSK	1	1	17.57	17.55	17.53
Channel				631668	633332	635000
Frequency (MHz)				3475.02	3499.98	3525
50	PI/2 BPSK	1	1	17.60	17.56	17.63
Channel				631334	633332	635332
Frequency (MHz)				3470.01	3499.98	3529.98
40	PI/2 BPSK	1	1	17.63	17.63	17.62
Channel				631000	633332	635666
Frequency (MHz)				3465	3499.98	3534.99
30	PI/2 BPSK	1	1	17.61	17.63	17.53
Channel				630834	633332	635832
Frequency (MHz)				3462.51	3499.98	3537.48
25	PI/2 BPSK	1	1	17.60	17.64	17.57
Channel				630668	633332	636000
Frequency (MHz)				3460.02	3499.98	3540
20	PI/2 BPSK	1	1	17.57	17.65	17.52
Channel				630500	633332	636166
Frequency (MHz)				3457.5	3499.98	3542.49
15	PI/2 BPSK	1	1	17.63	17.59	17.59
Channel				630334	633332	636332
Frequency (MHz)				3455.01	3499.98	3544.98
10	PI/2 BPSK	1	1	17.63	17.59	17.60

【FR1 n78 (270) _ FCC_Part 270 (3700~3800MHz)_HPUE_Ant 7 _ECI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.68		18.10
100	PI/2 BPSK	1	137		17.71		18.10
100	PI/2 BPSK	1	271		17.69		18.10
100	PI/2 BPSK	135	0		17.81		18.10
100	PI/2 BPSK	135	69		17.75		18.10
100	PI/2 BPSK	135	138		17.70		18.10
100	PI/2 BPSK	270	0		17.73		18.10
100	QPSK	1	1		17.65		18.10
100	QPSK	1	137		17.75		18.10
100	QPSK	1	271		17.67		18.10
100	QPSK	135	0		17.85		18.10
100	QPSK	135	69		17.82		18.10
100	QPSK	135	138		17.72		18.10
100	QPSK	270	0		17.79		18.10
100	16QAM	1	1		17.67		18.10
100	64QAM	1	1		17.69		18.10

100	256QAM	1	1	649668	17.92	650332	18.10
Channel				3745.02	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	17.64	17.68	17.61	18.10
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	17.54	17.58	17.54	18.10
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	17.53	17.55	17.52	18.10
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	17.51	17.51	17.53	18.10
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	17.54	17.55	17.58	18.10
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	17.59	17.54	17.53	18.10
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	17.59	17.58	17.56	18.10
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	17.50	17.60	17.52	18.10
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	17.55	17.55	17.59	18.10
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	17.61	17.55	17.54	18.10
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	17.59	17.53	17.50	18.10

【FR1 n78 (27Q)_ FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.72		19.50
100	PI/2 BPSK	1	137		17.79		19.50
100	PI/2 BPSK	1	271		17.72		19.50
100	PI/2 BPSK	135	0		17.84		19.50
100	PI/2 BPSK	135	69		17.77		19.50
100	PI/2 BPSK	135	138		17.78		19.50
100	PI/2 BPSK	270	0		17.75		19.50
100	QPSK	1	1		17.75		19.50
100	QPSK	1	137		17.79		19.50
100	QPSK	1	271		17.74		19.50
100	QPSK	135	0		17.87		19.50
100	QPSK	135	69		17.82		19.50
100	QPSK	135	138		17.82		19.50
100	QPSK	270	0		17.81		19.50
100	16QAM	1	1		17.68		19.50
100	64QAM	1	1		17.74		19.50
100	256QAM	1	1		17.98		19.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.66	17.68	17.65	19.50
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.56	17.63	17.59	19.50
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.63	17.64	17.50	19.50
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.57	17.55	17.53	19.50
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.60	17.56	17.63	19.50
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	

40	PI/2 BPSK	1	1	17.63	17.63	17.62	19.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.61	17.63	17.53	19.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.60	17.64	17.57	19.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.57	17.65	17.52	19.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.63	17.59	17.59	19.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.63	17.59	17.60	19.50

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_HPUE_Ant 7_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.68		19.50
100	PI/2 BPSK	1	137		17.71		19.50
100	PI/2 BPSK	1	271		17.69		19.50
100	PI/2 BPSK	135	0		17.81		19.50
100	PI/2 BPSK	135	69		17.75		19.50
100	PI/2 BPSK	135	138		17.70		19.50
100	PI/2 BPSK	270	0		17.73		19.50
100	QPSK	1	1		17.65		19.50
100	QPSK	1	137		17.75		19.50
100	QPSK	1	271		17.67		19.50
100	QPSK	135	0		17.85		19.50
100	QPSK	135	69		17.82		19.50
100	QPSK	135	138		17.72		19.50
100	QPSK	270	0		17.79		19.50
100	16QAM	1	1		17.67		19.50
100	64QAM	1	1		17.69		19.50
100	256QAM	1	1		17.92		19.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.64	17.68	17.61	19.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.54	17.58	17.54	19.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.53	17.55	17.52	19.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.51	17.51	17.53	19.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.54	17.55	17.58	19.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.59	17.54	17.53	19.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.59	17.58	17.56	19.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.50	17.60	17.52	19.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.55	17.55	17.59	19.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.61	17.55	17.54	19.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.59	17.53	17.50	19.50

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI 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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.72		18.10
100	PI/2 BPSK	1	137		17.79		18.10
100	PI/2 BPSK	1	271		17.72		18.10
100	PI/2 BPSK	135	0		17.84		18.10
100	PI/2 BPSK	135	69		17.77		18.10
100	PI/2 BPSK	135	138		17.78		18.10
100	PI/2 BPSK	270	0		17.75		18.10
100	QPSK	1	1		17.75		18.10
100	QPSK	1	137		17.79		18.10
100	QPSK	1	271		17.74		18.10
100	QPSK	135	0		17.87		18.10
100	QPSK	135	69		17.82		18.10
100	QPSK	135	138		17.82		18.10
100	QPSK	270	0		17.81		18.10
100	16QAM	1	1		17.68		18.10
100	64QAM	1	1		17.74		18.10
100	256QAM	1	1		17.98		18.10
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.66	17.68	17.65	18.10
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.56	17.63	17.59	18.10
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.63	17.64	17.50	18.10
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.57	17.55	17.53	18.10
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.60	17.56	17.63	18.10
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.63	17.63	17.62	18.10
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.61	17.63	17.53	18.10
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.60	17.64	17.57	18.10
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.57	17.65	17.52	18.10
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.63	17.59	17.59	18.10
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.63	17.59	17.60	18.10

【FR1 n78 (27O) _FCC_Part 27O (3700~3800MHz)_HPUE_Ant 7_ECI 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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.68		18.10
100	PI/2 BPSK	1	137		17.71		18.10
100	PI/2 BPSK	1	271		17.69		18.10
100	PI/2 BPSK	135	0		17.81		18.10
100	PI/2 BPSK	135	69		17.75		18.10
100	PI/2 BPSK	135	138		17.70		18.10
100	PI/2 BPSK	270	0		17.73		18.10
100	QPSK	1	1		17.65		18.10
100	QPSK	1	137		17.75		18.10
100	QPSK	1	271		17.67		18.10



100	QPSK	135	0		17.85		18.10
100	QPSK	135	69		17.82		18.10
100	QPSK	135	138		17.72		18.10
100	QPSK	270	0		17.79		18.10
100	16QAM	1	1		17.67		18.10
100	64QAM	1	1		17.69		18.10
100	256QAM	1	1		17.92		18.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.64	17.68	17.61	18.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.54	17.58	17.54	18.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.53	17.55	17.52	18.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.51	17.51	17.53	18.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.54	17.55	17.58	18.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.59	17.54	17.53	18.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.59	17.58	17.56	18.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.50	17.60	17.52	18.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.55	17.55	17.59	18.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.61	17.55	17.54	18.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.59	17.53	17.50	18.10

**<Non-terrestrial Network Note>****General Note:**

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

【NTN Band 23_Ant 5_ECI 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				25501	25600	25699	
Frequency (MHz)				2000.1	2010	2019.9	
3.75	BPSK	1	0	19.22	19.61	19.18	20.60
3.75	BPSK	1	46	19.32	19.66	19.21	20.60
3.75	QPSK	1	0	19.30	19.61	19.16	20.60
3.75	QPSK	1	46	19.25	19.60	19.11	20.60
15	BPSK	1	0	19.30	19.62	19.18	20.60
15	BPSK	1	10	19.30	19.59	19.20	20.60
15	QPSK	1	0	19.23	19.64	19.20	20.60
15	QPSK	1	10	19.29	19.62	19.20	20.60
15	QPSK	12	0	18.50	18.94	18.51	19.60

【NTN Band 255_Ant 5_ECI 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				261505	261674	261843	
Frequency (MHz)				1626.6	1643.5	1660.4	
3.75	BPSK	1	0	19.55	19.86	19.77	21.20
3.75	BPSK	1	46	19.57	19.87	19.86	21.20
3.75	QPSK	1	0	19.53	19.86	19.80	21.20
3.75	QPSK	1	46	19.49	19.77	19.82	21.20
15	BPSK	1	0	19.52	19.79	19.76	21.20
15	BPSK	1	10	19.52	19.77	19.79	21.20
15	QPSK	1	0	19.52	19.84	19.79	21.20
15	QPSK	1	10	19.47	19.79	19.82	21.20
15	QPSK	12	0	18.63	19.14	19.17	21.20