



FCC SAR Test Report

Report No. : FA5N1310

40	QPSK	1	1	13.68	13.75	13.75	15.00
40	QPSK	1	53	13.76	13.78	13.77	15.00
40	QPSK	1	104	13.69	13.77	13.75	15.00
40	QPSK	50	0	13.67	13.78	13.75	15.00
40	QPSK	50	28	13.70	13.78	13.72	15.00
40	QPSK	50	56	13.72	13.76	13.70	15.00
40	QPSK	100	0	13.71	13.72	13.78	15.00
40	16QAM	1	1	13.73	13.80	13.76	15.00
40	64QAM	1	1	13.71	13.71	13.76	15.00
40	256QAM	1	1	13.72	13.82	13.76	15.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	13.73	13.83	13.72	15.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	13.71	13.75	13.73	15.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	13.79	13.74	13.69	15.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	13.72	13.75	13.70	15.00

【FR1 n48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.11	20.15	20.09	21.30
40	PI/2 BPSK	1	53	19.93	20.00	19.93	21.30
40	PI/2 BPSK	1	104	19.93	20.07	19.99	21.30
40	PI/2 BPSK	50	0	19.88	19.95	19.74	21.30
40	PI/2 BPSK	50	28	20.05	20.13	20.08	21.30
40	PI/2 BPSK	50	56	19.94	20.09	20.00	21.30
40	PI/2 BPSK	100	0	19.94	20.10	19.82	21.30
40	QPSK	1	1	19.73	19.91	19.84	21.30
40	QPSK	1	53	19.77	19.93	19.79	21.30
40	QPSK	1	104	19.77	19.92	19.83	21.30
40	QPSK	50	0	19.97	20.03	19.86	21.30
40	QPSK	50	28	19.90	20.05	19.88	21.30
40	QPSK	50	56	19.87	20.05	19.88	21.30
40	QPSK	100	0	19.83	19.97	19.83	21.30
40	16QAM	1	1	19.87	19.98	19.82	21.30
40	64QAM	1	1	19.92	20.05	19.93	21.30
40	256QAM	1	1	19.96	20.11	20.03	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.08	20.11	20.08	21.30
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.02	20.05	19.97	21.30
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	20.10	20.03	20.08	21.30
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.97	20.01	20.04	21.30

【FR1 n48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 4_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.18	23.21	23.20	24.00
40	PI/2 BPSK	1	53	22.97	23.11	23.04	24.00
40	PI/2 BPSK	1	104	23.11	23.17	23.02	24.00
40	PI/2 BPSK	50	0	23.00	23.14	23.02	24.00
40	PI/2 BPSK	50	28	23.17	23.19	23.16	24.00
40	PI/2 BPSK	50	56	22.96	23.13	23.09	24.00

40	PI/2 BPSK	100	0	23.02	23.17	23.12	24.00
40	QPSK	1	1	23.02	23.11	23.08	24.00
40	QPSK	1	53	23.04	23.09	23.05	24.00
40	QPSK	1	104	23.02	23.13	23.11	24.00
40	QPSK	50	0	23.04	23.11	23.09	24.00
40	QPSK	50	28	22.96	23.08	22.92	24.00
40	QPSK	50	56	23.04	23.12	22.96	24.00
40	QPSK	100	0	23.04	23.18	23.09	24.00
40	16QAM	1	1	22.97	23.03	22.95	24.00
40	64QAM	1	1	22.09	22.25	22.11	23.00
40	256QAM	1	1	20.15	20.25	20.19	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.05	23.17	23.10	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.04	23.20	23.18	24.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.17	23.08	23.17	24.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.09	23.14	23.08	24.00

【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.38	23.43	23.35	24.00
40	PI/2 BPSK	1	53	23.13	23.30	23.12	24.00
40	PI/2 BPSK	1	104	23.21	23.40	23.28	24.00
40	PI/2 BPSK	50	0	23.24	23.38	23.25	24.00
40	PI/2 BPSK	50	28	23.36	23.40	23.33	24.00
40	PI/2 BPSK	50	56	23.20	23.39	23.28	24.00
40	PI/2 BPSK	100	0	23.27	23.39	23.22	24.00
40	QPSK	1	1	23.11	23.30	23.18	24.00
40	QPSK	1	53	23.12	23.28	23.06	24.00
40	QPSK	1	104	23.32	23.38	23.17	24.00
40	QPSK	50	0	23.17	23.30	23.10	24.00
40	QPSK	50	28	23.18	23.34	23.25	24.00
40	QPSK	50	56	23.15	23.25	23.10	24.00
40	QPSK	100	0	23.28	23.37	23.16	24.00
40	16QAM	1	1	23.09	23.26	23.11	24.00
40	64QAM	1	1	22.26	22.42	22.23	23.00
40	256QAM	1	1	20.33	20.46	20.32	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.31	23.39	23.29	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.29	23.35	23.30	24.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.26	23.31	23.30	24.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.36	23.41	23.27	24.00

【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.38	23.43	23.35	24.00
40	PI/2 BPSK	1	53	23.13	23.30	23.12	24.00
40	PI/2 BPSK	1	104	23.21	23.40	23.28	24.00
40	PI/2 BPSK	50	0	23.24	23.38	23.25	24.00
40	PI/2 BPSK	50	28	23.36	23.40	23.33	24.00

40	PI/2 BPSK	50	56	23.20	23.39	23.28	24.00
40	PI/2 BPSK	100	0	23.27	23.39	23.22	24.00
40	QPSK	1	1	23.11	23.30	23.18	24.00
40	QPSK	1	53	23.12	23.28	23.06	24.00
40	QPSK	1	104	23.32	23.38	23.17	24.00
40	QPSK	50	0	23.17	23.30	23.10	24.00
40	QPSK	50	28	23.18	23.34	23.25	24.00
40	QPSK	50	56	23.15	23.25	23.10	24.00
40	QPSK	100	0	23.28	23.37	23.16	24.00
40	16QAM	1	1	23.09	23.26	23.11	24.00
40	64QAM	1	1	22.26	22.42	22.23	23.00
40	256QAM	1	1	20.33	20.46	20.32	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.31	23.39	23.29	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.29	23.35	23.30	24.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.26	23.31	23.30	24.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.36	23.41	23.27	24.00

【FR1 n48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.81	19.84	19.77	20.40
40	PI/2 BPSK	1	53	19.62	19.78	19.58	20.40
40	PI/2 BPSK	1	104	19.73	19.80	19.64	20.40
40	PI/2 BPSK	50	0	19.52	19.69	19.53	20.40
40	PI/2 BPSK	50	28	19.78	19.82	19.75	20.40
40	PI/2 BPSK	50	56	19.67	19.77	19.58	20.40
40	PI/2 BPSK	100	0	19.66	19.79	19.62	20.40
40	QPSK	1	1	19.72	19.80	19.70	20.40
40	QPSK	1	53	19.57	19.67	19.54	20.40
40	QPSK	1	104	19.53	19.64	19.42	20.40
40	QPSK	50	0	19.62	19.70	19.57	20.40
40	QPSK	50	28	19.69	19.79	19.62	20.40
40	QPSK	50	56	19.52	19.69	19.49	20.40
40	QPSK	100	0	19.47	19.64	19.44	20.40
40	16QAM	1	1	19.63	19.76	19.55	20.40
40	64QAM	1	1	19.58	19.64	19.43	20.40
40	256QAM	1	1	19.65	19.79	19.65	20.40
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	19.70	19.73	19.66	20.40
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	19.68	19.77	19.71	20.40
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	19.70	19.80	19.66	20.40
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.67	19.81	19.75	20.40

【FR1 n48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	22.31	22.35	22.28	23.20
40	PI/2 BPSK	1	53	22.21	22.33	22.13	23.20
40	PI/2 BPSK	1	104	22.20	22.31	22.19	23.20
40	PI/2 BPSK	50	0	22.08	22.24	22.10	23.20



40	PI/2 BPSK	50	28	22.30	22.32	22.26	23.20
40	PI/2 BPSK	50	56	22.06	22.16	22.05	23.20
40	PI/2 BPSK	100	0	22.21	22.29	22.19	23.20
40	QPSK	1	1	22.19	22.29	22.08	23.20
40	QPSK	1	53	22.11	22.22	22.04	23.20
40	QPSK	1	104	22.14	22.24	22.07	23.20
40	QPSK	50	0	22.03	22.14	22.04	23.20
40	QPSK	50	28	22.05	22.19	22.10	23.20
40	QPSK	50	56	22.08	22.23	22.12	23.20
40	QPSK	100	0	22.23	22.33	22.13	23.20
40	16QAM	1	1	22.10	22.17	22.00	23.20
40	64QAM	1	1	22.26	22.24	22.23	23.20
40	256QAM	1	1	20.33	20.46	20.32	21.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	22.24	22.34	22.25	23.20
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	22.26	22.25	22.13	23.20
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	22.17	22.31	22.19	23.20
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	22.28	22.22	22.23	23.20

【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	13.03	13.05	13.02	14.10
40	PI/2 BPSK	1	53	12.97	12.90	12.94	14.10
40	PI/2 BPSK	1	104	12.94	12.95	12.98	14.10
40	PI/2 BPSK	50	0	12.92	13.02	12.92	14.10
40	PI/2 BPSK	50	28	13.00	13.04	12.98	14.10
40	PI/2 BPSK	50	56	13.00	12.93	12.96	14.10
40	PI/2 BPSK	100	0	12.89	12.93	12.90	14.10
40	QPSK	1	1	12.89	13.00	12.91	14.10
40	QPSK	1	53	12.99	12.99	12.96	14.10
40	QPSK	1	104	12.98	12.93	12.88	14.10
40	QPSK	50	0	12.90	12.99	12.91	14.10
40	QPSK	50	28	12.93	12.99	12.98	14.10
40	QPSK	50	56	12.93	12.91	12.96	14.10
40	QPSK	100	0	12.99	12.97	12.93	14.10
40	16QAM	1	1	13.00	12.93	12.94	14.10
40	64QAM	1	1	12.99	12.95	12.91	14.10
40	256QAM	1	1	12.88	12.91	12.93	14.10
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	12.89	12.91	12.88	14.10
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	13.01	13.04	12.88	14.10
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	12.99	12.95	12.96	14.10
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	12.92	13.00	12.87	14.10

【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.81	19.84	19.77	20.40
40	PI/2 BPSK	1	53	19.62	19.78	19.58	20.40
40	PI/2 BPSK	1	104	19.73	19.80	19.64	20.40



FCC SAR Test Report

Report No. : FA5N1310

40	PI/2 BPSK	50	0	19.52	19.69	19.53	20.40
40	PI/2 BPSK	50	28	19.78	19.82	19.75	20.40
40	PI/2 BPSK	50	56	19.67	19.77	19.58	20.40
40	PI/2 BPSK	100	0	19.66	19.79	19.62	20.40
40	QPSK	1	1	19.72	19.80	19.70	20.40
40	QPSK	1	53	19.57	19.67	19.54	20.40
40	QPSK	1	104	19.53	19.64	19.42	20.40
40	QPSK	50	0	19.62	19.70	19.57	20.40
40	QPSK	50	28	19.69	19.79	19.62	20.40
40	QPSK	50	56	19.52	19.69	19.49	20.40
40	QPSK	100	0	19.47	19.64	19.44	20.40
40	16QAM	1	1	19.63	19.76	19.55	20.40
40	64QAM	1	1	19.58	19.64	19.43	20.40
40	256QAM	1	1	19.65	19.79	19.65	20.40
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	19.70	19.73	19.66	20.40
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	19.68	19.77	19.71	20.40
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	19.70	19.80	19.66	20.40
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.67	19.81	19.75	20.40

【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_DSI 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				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.38	23.43	23.35	24.00
40	PI/2 BPSK	1	53	23.13	23.30	23.12	24.00
40	PI/2 BPSK	1	104	23.21	23.40	23.28	24.00
40	PI/2 BPSK	50	0	23.24	23.38	23.25	24.00
40	PI/2 BPSK	50	28	23.36	23.40	23.33	24.00
40	PI/2 BPSK	50	56	23.20	23.39	23.28	24.00
40	PI/2 BPSK	100	0	23.27	23.39	23.22	24.00
40	QPSK	1	1	23.11	23.30	23.18	24.00
40	QPSK	1	53	23.12	23.28	23.06	24.00
40	QPSK	1	104	23.32	23.38	23.17	24.00
40	QPSK	50	0	23.17	23.30	23.10	24.00
40	QPSK	50	28	23.18	23.34	23.25	24.00
40	QPSK	50	56	23.15	23.25	23.10	24.00
40	QPSK	100	0	23.28	23.37	23.16	24.00
40	16QAM	1	1	23.09	23.26	23.11	24.00
40	64QAM	1	1	22.26	22.42	22.23	23.00
40	256QAM	1	1	20.33	20.46	20.32	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.31	23.39	23.29	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.29	23.35	23.30	24.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.26	23.31	23.30	24.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.36	23.41	23.27	24.00

**【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 8_Full Power】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.10	23.15	23.13	24.00
40	PI/2 BPSK	1	53	22.80	22.99	22.95	24.00
40	PI/2 BPSK	1	104	23.04	23.11	23.01	24.00
40	PI/2 BPSK	50	0	22.88	23.00	22.87	24.00
40	PI/2 BPSK	50	28	23.08	23.11	23.06	24.00
40	PI/2 BPSK	50	56	22.80	22.95	22.86	24.00
40	PI/2 BPSK	100	0	22.91	23.04	22.87	24.00
40	QPSK	1	1	22.81	22.87	22.71	24.00
40	QPSK	1	53	22.68	22.87	22.82	24.00
40	QPSK	1	104	22.72	22.87	22.76	24.00
40	QPSK	50	0	22.80	22.96	22.82	24.00
40	QPSK	50	28	22.65	22.84	22.81	24.00
40	QPSK	50	56	22.62	22.81	22.71	24.00
40	QPSK	100	0	22.77	22.89	22.78	24.00
40	16QAM	1	1	22.70	22.84	22.74	24.00
40	64QAM	1	1	21.97	22.04	21.97	23.00
40	256QAM	1	1	19.97	20.05	19.99	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.00	23.06	23.08	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.04	23.03	22.98	24.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.01	23.12	23.06	24.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.08	23.03	23.06	24.00

【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 8_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.10	23.15	23.13	23.80
40	PI/2 BPSK	1	53	22.80	22.99	22.95	23.80
40	PI/2 BPSK	1	104	23.04	23.11	23.01	23.80
40	PI/2 BPSK	50	0	22.88	23.00	22.87	23.80
40	PI/2 BPSK	50	28	23.08	23.11	23.06	23.80
40	PI/2 BPSK	50	56	22.80	22.95	22.86	23.80
40	PI/2 BPSK	100	0	22.91	23.04	22.87	23.80
40	QPSK	1	1	22.81	22.87	22.71	23.80
40	QPSK	1	53	22.68	22.87	22.82	23.80
40	QPSK	1	104	22.72	22.87	22.76	23.80
40	QPSK	50	0	22.80	22.96	22.82	23.80
40	QPSK	50	28	22.65	22.84	22.81	23.80
40	QPSK	50	56	22.62	22.81	22.71	23.80
40	QPSK	100	0	22.77	22.89	22.78	23.80
40	16QAM	1	1	22.70	22.84	22.74	23.80
40	64QAM	1	1	21.97	22.04	21.97	23.00
40	256QAM	1	1	19.97	20.05	19.99	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.00	23.06	23.08	23.80
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.04	23.03	22.98	23.80
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.01	23.12	23.06	23.80
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.08	23.03	23.06	23.80

【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 8_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.02	19.06	19.00	20.30
40	PI/2 BPSK	1	53	18.78	18.84	18.68	20.30
40	PI/2 BPSK	1	104	18.78	18.88	18.74	20.30
40	PI/2 BPSK	50	0	18.68	18.86	18.71	20.30
40	PI/2 BPSK	50	28	18.96	19.02	18.99	20.30
40	PI/2 BPSK	50	56	18.92	19.02	18.92	20.30
40	PI/2 BPSK	100	0	18.74	18.92	18.72	20.30
40	QPSK	1	1	18.76	18.91	18.74	20.30
40	QPSK	1	53	18.89	19.03	18.87	20.30
40	QPSK	1	104	18.88	18.96	18.84	20.30
40	QPSK	50	0	18.72	18.86	18.66	20.30
40	QPSK	50	28	18.86	18.95	18.79	20.30
40	QPSK	50	56	18.84	18.99	18.80	20.30
40	QPSK	100	0	18.75	18.85	18.77	20.30
40	16QAM	1	1	18.88	19.04	18.93	20.30
40	64QAM	1	1	18.81	18.90	18.82	20.30
40	256QAM	1	1	18.72	18.86	18.74	20.30
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	18.95	18.95	18.92	20.30
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	18.91	19.01	18.88	20.30
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	18.87	19.05	18.89	20.30
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.00	19.05	18.89	20.30

【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 8_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.02	19.06	19.00	20.80
40	PI/2 BPSK	1	53	18.81	18.84	18.80	20.80
40	PI/2 BPSK	1	104	18.82	18.88	18.80	20.80
40	PI/2 BPSK	50	0	18.80	18.86	18.80	20.80
40	PI/2 BPSK	50	28	18.94	19.02	18.99	20.80
40	PI/2 BPSK	50	56	18.90	19.02	18.90	20.80
40	PI/2 BPSK	100	0	18.85	18.92	18.82	20.80
40	QPSK	1	1	18.85	18.91	18.80	20.80
40	QPSK	1	53	18.94	19.03	18.90	20.80
40	QPSK	1	104	18.81	18.96	18.80	20.80
40	QPSK	50	0	18.80	18.86	18.81	20.80
40	QPSK	50	28	18.80	18.95	18.86	20.80
40	QPSK	50	56	18.86	18.99	18.81	20.80
40	QPSK	100	0	18.81	18.85	18.80	20.80
40	16QAM	1	1	18.92	19.04	18.85	20.80
40	64QAM	1	1	18.80	18.90	18.81	20.80
40	256QAM	1	1	18.80	18.86	18.80	20.80
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	18.95	18.95	18.92	20.80
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	18.91	19.01	18.88	20.80
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	18.87	19.05	18.89	20.80
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.00	19.05	18.89	20.80

【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 8_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	10.18	10.21	10.17	11.20
40	PI/2 BPSK	1	53	10.11	10.16	10.14	11.20
40	PI/2 BPSK	1	104	10.14	10.06	10.05	11.20
40	PI/2 BPSK	50	0	10.11	10.11	10.02	11.20
40	PI/2 BPSK	50	28	10.18	10.19	10.17	11.20
40	PI/2 BPSK	50	56	10.06	10.16	10.05	11.20
40	PI/2 BPSK	100	0	10.14	10.15	10.03	11.20
40	QPSK	1	1	10.06	10.16	10.03	11.20
40	QPSK	1	53	10.05	10.06	10.02	11.20
40	QPSK	1	104	10.07	10.09	10.05	11.20
40	QPSK	50	0	10.05	10.13	10.04	11.20
40	QPSK	50	28	10.10	10.17	10.08	11.20
40	QPSK	50	56	10.08	10.15	10.04	11.20
40	QPSK	100	0	10.09	10.11	10.02	11.20
40	16QAM	1	1	10.07	10.09	10.09	11.20
40	64QAM	1	1	10.14	10.17	10.05	11.20
40	256QAM	1	1	10.10	10.15	10.11	11.20
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	10.03	10.08	10.07	11.20
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	10.16	10.13	10.12	11.20
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	10.08	10.17	10.04	11.20
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	10.11	10.10	10.12	11.20

【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 8_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.02	19.06	19.00	20.30
40	PI/2 BPSK	1	53	18.78	18.84	18.68	20.30
40	PI/2 BPSK	1	104	18.78	18.88	18.74	20.30
40	PI/2 BPSK	50	0	18.68	18.86	18.71	20.30
40	PI/2 BPSK	50	28	18.96	19.02	18.99	20.30
40	PI/2 BPSK	50	56	18.92	19.02	18.92	20.30
40	PI/2 BPSK	100	0	18.74	18.92	18.72	20.30
40	QPSK	1	1	18.76	18.91	18.74	20.30
40	QPSK	1	53	18.89	19.03	18.87	20.30
40	QPSK	1	104	18.88	18.96	18.84	20.30
40	QPSK	50	0	18.72	18.86	18.66	20.30
40	QPSK	50	28	18.86	18.95	18.79	20.30
40	QPSK	50	56	18.84	18.99	18.80	20.30
40	QPSK	100	0	18.75	18.85	18.77	20.30
40	16QAM	1	1	18.88	19.04	18.93	20.30
40	64QAM	1	1	18.81	18.90	18.82	20.30
40	256QAM	1	1	18.72	18.86	18.74	20.30
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	18.95	18.95	18.92	20.30
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	18.91	19.01	18.88	20.30
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	18.87	19.05	18.89	20.30
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.00	19.05	18.89	20.30

【FR1 n48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 8_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.10	23.15	23.13	24.00
40	PI/2 BPSK	1	53	22.80	22.99	22.95	24.00
40	PI/2 BPSK	1	104	23.04	23.11	23.01	24.00
40	PI/2 BPSK	50	0	22.88	23.00	22.87	24.00
40	PI/2 BPSK	50	28	23.08	23.11	23.06	24.00
40	PI/2 BPSK	50	56	22.80	22.95	22.86	24.00
40	PI/2 BPSK	100	0	22.91	23.04	22.87	24.00
40	QPSK	1	1	22.81	22.87	22.71	24.00
40	QPSK	1	53	22.68	22.87	22.82	24.00
40	QPSK	1	104	22.72	22.87	22.76	24.00
40	QPSK	50	0	22.80	22.96	22.82	24.00
40	QPSK	50	28	22.65	22.84	22.81	24.00
40	QPSK	50	56	22.62	22.81	22.71	24.00
40	QPSK	100	0	22.77	22.89	22.78	24.00
40	16QAM	1	1	22.70	22.84	22.74	24.00
40	64QAM	1	1	21.97	22.04	21.97	23.00
40	256QAM	1	1	19.97	20.05	19.99	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.00	23.06	23.08	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.04	23.03	22.98	24.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.01	23.12	23.06	24.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.08	23.03	23.06	24.00

【FR1 n66_Ant 2_Full Power】

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	22.92	22.99	22.96	24.00
45	PI/2 BPSK	1	120	22.69	22.78	22.71	24.00
45	PI/2 BPSK	1	240	22.73	22.87	22.79	24.00
45	PI/2 BPSK	120	0	22.71	22.82	22.71	24.00
45	PI/2 BPSK	120	60	22.89	22.95	22.92	24.00
45	PI/2 BPSK	120	120	22.60	22.72	22.60	24.00
45	PI/2 BPSK	240	0	22.60	22.69	22.57	24.00
45	QPSK	1	1	22.77	22.89	22.84	24.00
45	QPSK	1	120	22.60	22.75	22.57	24.00
45	QPSK	1	240	22.63	22.73	22.56	24.00
45	QPSK	120	0	22.69	22.86	22.81	24.00
45	QPSK	120	60	22.52	22.73	22.58	24.00
45	QPSK	120	120	22.64	22.74	22.64	24.00
45	QPSK	240	0	22.64	22.81	22.65	24.00
45	16QAM	1	1	22.73	22.89	22.84	24.00
45	64QAM	1	1	21.98	22.09	21.99	23.00
45	256QAM	1	1	19.94	20.08	19.93	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.90	22.90	22.94	24.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	22.86	22.86	22.90	24.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.85	22.90	22.92	24.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	



25	PI/2 BPSK	1	1	22.82	22.87	22.93	24.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.80	22.90	22.88	24.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.86	22.96	22.91	24.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.89	22.97	22.83	24.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.79	22.88	22.94	24.00

【FR1 n66_Ant 2_DSI 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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.92	22.99	22.96	24.00
45	PI/2 BPSK	1	120	22.69	22.78	22.71	24.00
45	PI/2 BPSK	1	240	22.73	22.87	22.79	24.00
45	PI/2 BPSK	120	0	22.71	22.82	22.71	24.00
45	PI/2 BPSK	120	60	22.89	22.95	22.92	24.00
45	PI/2 BPSK	120	120	22.60	22.72	22.60	24.00
45	PI/2 BPSK	240	0	22.60	22.69	22.57	24.00
45	QPSK	1	1	22.77	22.89	22.84	24.00
45	QPSK	1	120	22.60	22.75	22.57	24.00
45	QPSK	1	240	22.63	22.73	22.56	24.00
45	QPSK	120	0	22.69	22.86	22.81	24.00
45	QPSK	120	60	22.52	22.73	22.58	24.00
45	QPSK	120	120	22.64	22.74	22.64	24.00
45	QPSK	240	0	22.64	22.81	22.65	24.00
45	16QAM	1	1	22.73	22.89	22.84	24.00
45	64QAM	1	1	21.98	22.09	21.99	23.00
45	256QAM	1	1	19.94	20.08	19.93	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.90	22.90	22.94	24.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	22.86	22.86	22.90	24.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.85	22.90	22.92	24.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.82	22.87	22.93	24.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.80	22.90	22.88	24.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.86	22.96	22.91	24.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.89	22.97	22.83	24.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.79	22.88	22.94	24.00

【FR1 n66_Ant 2_DSI 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	19.48	19.49	19.46	20.90
45	PI/2 BPSK	1	120	19.30	19.41	19.28	20.90
45	PI/2 BPSK	1	240	19.29	19.36	19.24	20.90
45	PI/2 BPSK	120	0	19.03	19.17	19.07	20.90
45	PI/2 BPSK	120	60	19.42	19.47	19.44	20.90
45	PI/2 BPSK	120	120	19.29	19.35	19.18	20.90
45	PI/2 BPSK	240	0	19.26	19.40	19.23	20.90
45	QPSK	1	1	19.27	19.34	19.20	20.90
45	QPSK	1	120	19.19	19.33	19.27	20.90
45	QPSK	1	240	19.32	19.34	19.23	20.90
45	QPSK	120	0	19.27	19.34	19.26	20.90
45	QPSK	120	60	19.22	19.32	19.17	20.90
45	QPSK	120	120	19.17	19.26	19.11	20.90
45	QPSK	240	0	19.09	19.19	19.13	20.90
45	16QAM	1	1	19.21	19.36	19.31	20.90
45	64QAM	1	1	18.98	19.14	19.05	20.90
45	256QAM	1	1	19.15	19.19	19.02	20.90
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	19.42	19.36	19.32	20.90
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	19.37	19.45	19.31	20.90
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	19.45	19.46	19.33	20.90
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	19.42	19.44	19.31	20.90
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	19.36	19.42	19.39	20.90
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	19.47	19.39	19.33	20.90
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	19.46	19.42	19.39	20.90
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	19.42	19.46	19.39	20.90

【FR1 n66_Ant 2_DSI 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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.92	22.99	22.96	24.00
45	PI/2 BPSK	1	120	22.69	22.78	22.71	24.00
45	PI/2 BPSK	1	240	22.73	22.87	22.79	24.00
45	PI/2 BPSK	120	0	22.71	22.82	22.71	24.00
45	PI/2 BPSK	120	60	22.89	22.95	22.92	24.00
45	PI/2 BPSK	120	120	22.60	22.72	22.60	24.00
45	PI/2 BPSK	240	0	22.60	22.69	22.57	24.00
45	QPSK	1	1	22.77	22.89	22.84	24.00
45	QPSK	1	120	22.60	22.75	22.57	24.00
45	QPSK	1	240	22.63	22.73	22.56	24.00
45	QPSK	120	0	22.69	22.86	22.81	24.00
45	QPSK	120	60	22.52	22.73	22.58	24.00
45	QPSK	120	120	22.64	22.74	22.64	24.00
45	QPSK	240	0	22.64	22.81	22.65	24.00
45	16QAM	1	1	22.73	22.89	22.84	24.00
45	64QAM	1	1	21.98	22.09	21.99	23.00
45	256QAM	1	1	19.94	20.08	19.93	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	



40	PI/2 BPSK	1	1	22.90	22.90	22.94	24.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	22.86	22.86	22.90	24.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.85	22.90	22.92	24.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.82	22.87	22.93	24.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.80	22.90	22.88	24.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.86	22.96	22.91	24.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.89	22.97	22.83	24.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.79	22.88	22.94	24.00

【FR1 n66_Ant 2_DSI 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	21.91	21.94	21.88	23.20
45	PI/2 BPSK	1	120	21.64	21.78	21.64	23.20
45	PI/2 BPSK	1	240	21.50	21.66	21.58	23.20
45	PI/2 BPSK	120	0	21.80	21.81	21.74	23.20
45	PI/2 BPSK	120	60	21.85	21.90	21.89	23.20
45	PI/2 BPSK	120	120	21.74	21.87	21.79	23.20
45	PI/2 BPSK	240	0	21.77	21.88	21.80	23.20
45	QPSK	1	1	21.54	21.68	21.57	23.20
45	QPSK	1	120	21.65	21.71	21.50	23.20
45	QPSK	1	240	21.81	21.92	21.72	23.20
45	QPSK	120	0	21.72	21.84	21.75	23.20
45	QPSK	120	60	21.76	21.93	21.79	23.20
45	QPSK	120	120	21.56	21.72	21.54	23.20
45	QPSK	240	0	21.82	21.88	21.70	23.20
45	16QAM	1	1	21.64	21.78	21.58	23.20
45	64QAM	1	1	21.59	21.72	21.62	23.20
45	256QAM	1	1	19.94	20.08	19.93	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.89	21.84	21.79	23.20
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	21.90	21.88	21.83	23.20
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.84	21.88	21.81	23.20
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.87	21.85	21.78	23.20
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.83	21.82	21.82	23.20
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.89	21.82	21.86	23.20
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.82	21.89	21.75	23.20
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.81	21.88	21.80	23.20



【FR1 n66_Ant 2_DSI 7】

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	18.95	18.87	20.10
45	PI/2 BPSK	1	120	18.75	18.87	18.73	20.10
45	PI/2 BPSK	1	240	18.57	18.66	18.57	20.10
45	PI/2 BPSK	120	0	18.78	18.82	18.71	20.10
45	PI/2 BPSK	120	60	18.85	18.92	18.87	20.10
45	PI/2 BPSK	120	120	18.63	18.81	18.72	20.10
45	PI/2 BPSK	240	0	18.73	18.88	18.78	20.10
45	QPSK	1	1	18.71	18.87	18.69	20.10
45	QPSK	1	120	18.73	18.82	18.69	20.10
45	QPSK	1	240	18.69	18.88	18.67	20.10
45	QPSK	120	0	18.74	18.86	18.63	20.10
45	QPSK	120	60	18.60	18.74	18.53	20.10
45	QPSK	120	120	18.70	18.83	18.65	20.10
45	QPSK	240	0	18.65	18.71	18.58	20.10
45	16QAM	1	1	18.50	18.68	18.55	20.10
45	64QAM	1	1	18.73	18.80	18.58	20.10
45	256QAM	1	1	18.72	18.86	18.72	20.10
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.82	18.85	18.73	20.10
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	18.83	18.93	18.81	20.10
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.89	18.91	18.85	20.10
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	18.80	18.83	18.83	20.10
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.82	18.87	18.78	20.10
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.83	18.87	18.76	20.10
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.87	18.87	18.80	20.10
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.89	18.84	18.80	20.10

【FR1 n66_Ant 2_DSI 12】

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	14.11	14.15	14.13	15.10
45	PI/2 BPSK	1	120	14.04	14.03	14.02	15.10
45	PI/2 BPSK	1	240	13.96	14.00	14.09	15.10
45	PI/2 BPSK	120	0	13.98	14.04	13.98	15.10
45	PI/2 BPSK	120	60	13.98	14.13	14.10	15.10
45	PI/2 BPSK	120	120	13.97	14.05	14.02	15.10
45	PI/2 BPSK	240	0	13.99	14.07	14.05	15.10
45	QPSK	1	1	13.98	14.11	14.06	15.10
45	QPSK	1	120	14.07	14.09	14.01	15.10
45	QPSK	1	240	13.98	14.02	14.04	15.10
45	QPSK	120	0	14.08	14.07	14.01	15.10
45	QPSK	120	60	14.05	14.00	14.07	15.10
45	QPSK	120	120	14.01	14.12	14.06	15.10
45	QPSK	240	0	14.04	14.08	13.99	15.10
45	16QAM	1	1	14.02	14.06	14.08	15.10
45	64QAM	1	1	14.01	14.08	14.09	15.10
45	256QAM	1	1	14.06	14.05	13.99	15.10
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	13.97	14.07	14.05	15.10

Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	14.01	14.05	13.99	15.10
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	14.01	14.09	14.02	15.10
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	14.07	14.11	14.01	15.10
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	14.00	14.01	14.06	15.10
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	14.05	14.04	13.99	15.10
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	14.09	14.13	14.01	15.10
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	13.98	14.13	14.08	15.10

【FR1 n66_Ant 3_Full Power】

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	23.61	23.62	23.57	24.00
45	PI/2 BPSK	1	120	23.25	23.40	23.21	24.00
45	PI/2 BPSK	1	240	23.45	23.50	23.36	24.00
45	PI/2 BPSK	120	0	23.33	23.37	23.28	23.50
45	PI/2 BPSK	120	60	23.52	23.58	23.53	24.00
45	PI/2 BPSK	120	120	23.17	23.31	23.21	23.50
45	PI/2 BPSK	240	0	22.47	22.53	22.42	23.50
45	QPSK	1	1	23.38	23.42	23.34	24.00
45	QPSK	1	120	23.21	23.36	23.23	24.00
45	QPSK	1	240	23.34	23.49	23.31	24.00
45	QPSK	120	0	23.35	23.40	23.21	24.00
45	QPSK	120	60	23.20	23.30	23.18	24.00
45	QPSK	120	120	23.24	23.27	23.18	24.00
45	QPSK	240	0	23.21	23.33	23.20	24.00
45	16QAM	1	1	23.44	23.48	23.37	24.00
45	64QAM	1	1	22.50	22.65	22.55	23.00
45	256QAM	1	1	20.57	20.60	20.42	21.00
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	23.56	23.57	23.54	24.00
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	23.58	23.57	23.48	24.00
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	23.53	23.52	23.46	24.00
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	23.52	23.54	23.44	24.00
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	23.59	23.57	23.45	24.00
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	23.53	23.56	23.45	24.00
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	23.59	23.53	23.44	24.00
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	23.58	23.54	23.46	24.00



【FR1 n66_Ant 3_DSI 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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	21.98	22.05	22.01	23.20
45	PI/2 BPSK	1	120	21.74	21.87	21.70	23.20
45	PI/2 BPSK	1	240	21.72	21.82	21.72	23.20
45	PI/2 BPSK	120	0	21.73	21.94	21.75	22.70
45	PI/2 BPSK	120	60	21.95	22.01	21.97	23.20
45	PI/2 BPSK	120	120	21.59	21.77	21.67	22.70
45	PI/2 BPSK	240	0	21.88	21.98	21.81	22.70
45	QPSK	1	1	21.85	22.06	21.94	23.20
45	QPSK	1	120	21.69	21.81	21.75	23.20
45	QPSK	1	240	21.74	21.90	21.79	23.20
45	QPSK	120	0	21.71	21.92	21.83	23.20
45	QPSK	120	60	21.76	21.95	21.78	23.20
45	QPSK	120	120	21.82	21.91	21.81	23.20
45	QPSK	240	0	21.82	22.01	21.88	23.20
45	16QAM	1	1	21.63	21.80	21.70	23.20
45	64QAM	1	1	21.57	21.78	21.70	23.00
45	256QAM	1	1	20.57	20.60	20.42	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.94	22.03	21.92	23.20
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	21.87	22.01	21.94	23.20
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.96	21.96	21.89	23.20
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.85	21.97	21.98	23.20
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.90	22.03	21.98	23.20
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.89	22.01	21.95	23.20
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.86	21.94	21.88	23.20
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.89	21.91	21.91	23.20

【FR1 n66_Ant 3_DSI 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	20.06	20.09	20.05	21.20
45	PI/2 BPSK	1	120	19.72	19.80	19.66	21.20
45	PI/2 BPSK	1	240	20.02	20.07	19.91	21.20
45	PI/2 BPSK	120	0	19.81	19.92	19.82	21.20
45	PI/2 BPSK	120	60	20.02	20.07	20.04	21.20
45	PI/2 BPSK	120	120	19.83	19.92	19.81	21.20
45	PI/2 BPSK	240	0	19.86	19.95	19.86	21.20
45	QPSK	1	1	19.88	20.05	19.88	21.20
45	QPSK	1	120	19.92	19.96	19.83	21.20
45	QPSK	1	240	19.87	19.97	19.79	21.20
45	QPSK	120	0	19.68	19.77	19.62	21.20
45	QPSK	120	60	19.79	19.83	19.73	21.20
45	QPSK	120	120	19.75	19.87	19.77	21.20
45	QPSK	240	0	19.71	19.85	19.80	21.20
45	16QAM	1	1	19.61	19.78	19.67	21.20
45	64QAM	1	1	19.87	20.03	19.86	21.20
45	256QAM	1	1	19.87	20.05	19.92	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	



40	PI/2 BPSK	1	1	20.01	20.01	20.02	21.20
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	19.94	20.04	20.03	21.20
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	20.00	20.07	19.96	21.20
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	20.00	20.07	19.93	21.20
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	20.03	20.00	19.90	21.20
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	19.98	19.98	19.90	21.20
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	19.94	20.07	19.97	21.20
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	19.91	19.96	19.95	21.20

【FR1 n66_Ant 3_DSI 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				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	23.61	23.62	23.57	24.00
45	PI/2 BPSK	1	120	23.25	23.40	23.21	24.00
45	PI/2 BPSK	1	240	23.45	23.50	23.36	24.00
45	PI/2 BPSK	120	0	23.33	23.37	23.28	23.50
45	PI/2 BPSK	120	60	23.52	23.58	23.53	24.00
45	PI/2 BPSK	120	120	23.17	23.31	23.21	23.50
45	PI/2 BPSK	240	0	22.47	22.53	22.42	23.50
45	QPSK	1	1	23.38	23.42	23.34	24.00
45	QPSK	1	120	23.21	23.36	23.23	24.00
45	QPSK	1	240	23.34	23.49	23.31	24.00
45	QPSK	120	0	23.35	23.40	23.21	24.00
45	QPSK	120	60	23.20	23.30	23.18	24.00
45	QPSK	120	120	23.24	23.27	23.18	24.00
45	QPSK	240	0	23.21	23.33	23.20	24.00
45	16QAM	1	1	23.44	23.48	23.37	24.00
45	64QAM	1	1	22.50	22.65	22.55	23.00
45	256QAM	1	1	20.57	20.60	20.42	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.56	23.57	23.54	24.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	23.58	23.57	23.48	24.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.53	23.52	23.46	24.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.52	23.54	23.44	24.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.59	23.57	23.45	24.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.53	23.56	23.45	24.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.59	23.53	23.44	24.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.58	23.54	23.46	24.00

【FR1 n66_Ant 3_DSI 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	22.06	22.11	22.09	23.00
45	PI/2 BPSK	1	120	21.92	22.00	21.87	23.00
45	PI/2 BPSK	1	240	21.79	21.94	21.83	23.00
45	PI/2 BPSK	120	0	21.85	21.97	21.92	23.00
45	PI/2 BPSK	120	60	22.04	22.07	22.02	23.00
45	PI/2 BPSK	120	120	21.86	22.03	21.92	23.00
45	PI/2 BPSK	240	0	21.99	22.05	21.94	23.00
45	QPSK	1	1	21.78	21.85	21.77	23.00
45	QPSK	1	120	21.68	21.87	21.77	23.00
45	QPSK	1	240	21.64	21.79	21.63	23.00
45	QPSK	120	0	21.90	21.98	21.93	23.00
45	QPSK	120	60	21.77	21.85	21.78	23.00
45	QPSK	120	120	21.65	21.83	21.68	23.00
45	QPSK	240	0	21.76	21.84	21.75	23.00
45	16QAM	1	1	21.90	22.04	21.88	23.00
45	64QAM	1	1	21.62	21.79	21.69	23.00
45	256QAM	1	1	20.57	20.60	20.42	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.01	22.05	21.94	23.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	21.93	21.97	21.97	23.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.99	21.97	22.03	23.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.00	22.02	21.95	23.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.98	22.07	21.98	23.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.94	21.97	22.04	23.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.02	22.09	22.05	23.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.02	22.10	22.07	23.00

【FR1 n66_Ant 3_DSI 7】

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	19.60	19.63	19.58	20.30
45	PI/2 BPSK	1	120	19.30	19.43	19.33	20.30
45	PI/2 BPSK	1	240	19.31	19.35	19.17	20.30
45	PI/2 BPSK	120	0	19.23	19.28	19.20	20.30
45	PI/2 BPSK	120	60	19.51	19.60	19.55	20.30
45	PI/2 BPSK	120	120	19.33	19.40	19.21	20.30
45	PI/2 BPSK	240	0	19.44	19.53	19.35	20.30
45	QPSK	1	1	19.35	19.41	19.35	20.30
45	QPSK	1	120	19.34	19.44	19.38	20.30
45	QPSK	1	240	19.43	19.56	19.39	20.30
45	QPSK	120	0	19.32	19.46	19.38	20.30
45	QPSK	120	60	19.36	19.49	19.35	20.30
45	QPSK	120	120	19.40	19.54	19.43	20.30
45	QPSK	240	0	19.19	19.27	19.10	20.30
45	16QAM	1	1	19.32	19.38	19.28	20.30
45	64QAM	1	1	19.41	19.53	19.39	20.30
45	256QAM	1	1	19.29	19.39	19.30	20.30
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	19.57	19.49	19.49	20.30

Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	19.48	19.49	19.47	20.30
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	19.56	19.60	19.57	20.30
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	19.50	19.58	19.51	20.30
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	19.55	19.53	19.48	20.30
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	19.52	19.52	19.51	20.30
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	19.46	19.62	19.56	20.30
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	19.49	19.59	19.50	20.30

【FR1 n66_Ant 3_DSI 12】

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	14.68	14.71	14.61	15.70
45	PI/2 BPSK	1	120	14.58	14.62	14.49	15.70
45	PI/2 BPSK	1	240	14.64	14.58	14.50	15.70
45	PI/2 BPSK	120	0	14.54	14.60	14.49	15.20
45	PI/2 BPSK	120	60	14.65	14.69	14.55	15.70
45	PI/2 BPSK	120	120	14.58	14.58	14.47	15.20
45	PI/2 BPSK	240	0	14.56	14.57	14.57	15.20
45	QPSK	1	1	14.61	14.58	14.48	15.70
45	QPSK	1	120	14.56	14.68	14.57	15.70
45	QPSK	1	240	14.64	14.61	14.54	15.70
45	QPSK	120	0	14.59	14.65	14.49	15.70
45	QPSK	120	60	14.62	14.59	14.49	15.70
45	QPSK	120	120	14.59	14.59	14.46	15.70
45	QPSK	240	0	14.61	14.67	14.50	15.70
45	16QAM	1	1	14.65	14.60	14.49	15.70
45	64QAM	1	1	14.64	14.58	14.55	15.70
45	256QAM	1	1	14.61	14.63	14.50	15.70
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	14.61	14.62	14.59	15.70
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	14.64	14.68	14.51	15.70
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	14.61	14.65	14.59	15.70
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	14.64	14.67	14.53	15.70
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	14.59	14.59	14.50	15.70
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	14.65	14.62	14.47	15.70
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	14.56	14.58	14.57	15.70
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	14.55	14.58	14.53	15.70

【FR1 n70_Ant 2_Full Power】

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		23.26		24.00
15	PI/2 BPSK	1	40		23.20		24.00
15	PI/2 BPSK	1	77		23.18		24.00
15	PI/2 BPSK	36	0		23.02		23.50
15	PI/2 BPSK	36	22		23.18		24.00
15	PI/2 BPSK	36	43		23.04		23.50
15	PI/2 BPSK	75	0		23.04		23.50
15	QPSK	1	1		22.81		24.00
15	QPSK	1	40		22.72		24.00
15	QPSK	1	77		22.71		24.00
15	QPSK	36	0		22.38		23.00
15	QPSK	36	22		22.12		24.00
15	QPSK	36	43		22.03		23.00
15	QPSK	75	0		21.96		23.00
15	16QAM	1	1		21.87		23.00
15	64QAM	1	1		21.45		21.50
15	256QAM	1	1		19.07		19.50
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	23.11	23.16	23.14	24.00
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	22.97	23.14	23.03	24.00

【FR1 n70_Ant 2_DSI 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		23.26		24.00
15	PI/2 BPSK	1	40		23.20		24.00
15	PI/2 BPSK	1	77		23.18		24.00
15	PI/2 BPSK	36	0		23.02		23.50
15	PI/2 BPSK	36	22		23.18		24.00
15	PI/2 BPSK	36	43		23.04		23.50
15	PI/2 BPSK	75	0		23.04		23.50
15	QPSK	1	1		22.81		24.00
15	QPSK	1	40		22.72		24.00
15	QPSK	1	77		22.71		24.00
15	QPSK	36	0		22.38		23.00
15	QPSK	36	22		22.12		24.00
15	QPSK	36	43		22.03		23.00
15	QPSK	75	0		21.96		23.00
15	16QAM	1	1		21.87		23.00
15	64QAM	1	1		21.45		21.50
15	256QAM	1	1		19.07		19.50
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	23.11	23.16	23.14	24.00
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	22.97	23.14	23.03	24.00

【FR1 n70_Ant 2_DSI 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		20.67		21.90
15	PI/2 BPSK	1	40		20.52		21.90
15	PI/2 BPSK	1	77		20.51		21.90
15	PI/2 BPSK	36	0		20.47		21.90
15	PI/2 BPSK	36	22		20.65		21.90
15	PI/2 BPSK	36	43		20.63		21.90
15	PI/2 BPSK	75	0		20.61		21.90
15	QPSK	1	1		20.58		21.90
15	QPSK	1	40		20.45		21.90
15	QPSK	1	77		20.55		21.90
15	QPSK	36	0		20.61		21.90
15	QPSK	36	22		20.63		21.90
15	QPSK	36	43		20.47		21.90
15	QPSK	75	0		20.54		21.90
15	16QAM	1	1		20.50		21.90
15	64QAM	1	1		21.45		21.50
15	256QAM	1	1		19.07		19.50
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	20.59	20.62	20.64	21.90
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	20.46	20.50	20.52	21.90

【FR1 n70_Ant 2_DSI 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		23.26		24.00
15	PI/2 BPSK	1	40		23.20		24.00
15	PI/2 BPSK	1	77		23.18		24.00
15	PI/2 BPSK	36	0		23.02		23.50
15	PI/2 BPSK	36	22		23.18		24.00
15	PI/2 BPSK	36	43		23.04		23.50
15	PI/2 BPSK	75	0		23.04		23.50
15	QPSK	1	1		22.81		24.00
15	QPSK	1	40		22.72		24.00
15	QPSK	1	77		22.71		24.00
15	QPSK	36	0		22.38		23.00
15	QPSK	36	22		22.12		24.00
15	QPSK	36	43		22.03		23.00
15	QPSK	75	0		21.96		23.00
15	16QAM	1	1		21.87		23.00
15	64QAM	1	1		21.45		21.50
15	256QAM	1	1		19.07		19.50
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	23.11	23.16	23.14	24.00
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	22.97	23.14	23.03	24.00

【FR1 n70_Ant 2_DSI 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		22.67		24.00
15	PI/2 BPSK	1	40		22.64		24.00
15	PI/2 BPSK	1	77		22.65		24.00
15	PI/2 BPSK	36	0		22.61		24.00
15	PI/2 BPSK	36	22		22.65		24.00
15	PI/2 BPSK	36	43		22.58		24.00
15	PI/2 BPSK	75	0		22.62		24.00
15	QPSK	1	1		22.64		24.00
15	QPSK	1	40		22.61		24.00
15	QPSK	1	77		22.49		24.00
15	QPSK	36	0		22.58		23.50
15	QPSK	36	22		22.60		24.00
15	QPSK	36	43		22.03		23.50
15	QPSK	75	0		21.96		23.50
15	16QAM	1	1		21.87		23.50
15	64QAM	1	1		21.45		22.00
15	256QAM	1	1		19.07		20.00
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	22.61	22.64	22.59	24.00
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	22.55	22.50	22.51	24.00

【FR1 n70_Ant 2_DSI 7】

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		20.67		21.20
15	PI/2 BPSK	1	40		20.52		21.20
15	PI/2 BPSK	1	77		20.51		21.20
15	PI/2 BPSK	36	0		20.47		20.70
15	PI/2 BPSK	36	22		20.65		21.20
15	PI/2 BPSK	36	43		20.63		20.70
15	PI/2 BPSK	75	0		20.61		20.70
15	QPSK	1	1		20.58		21.20
15	QPSK	1	40		20.45		21.20
15	QPSK	1	77		20.55		21.20
15	QPSK	36	0		20.61		21.20
15	QPSK	36	22		20.63		21.20
15	QPSK	36	43		20.47		21.20
15	QPSK	75	0		20.54		21.20
15	16QAM	1	1		20.50		21.20
15	64QAM	1	1		21.05		21.20
15	256QAM	1	1		19.07		20.00
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	20.59	20.62	20.64	21.20
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	20.46	20.50	20.52	21.20

【FR1 n70_Ant 2_DSI 12】

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		14.41		15.70
15	PI/2 BPSK	1	40		14.26		15.70
15	PI/2 BPSK	1	77		14.24		15.70
15	PI/2 BPSK	36	0		14.29		15.70
15	PI/2 BPSK	36	22		14.39		15.70
15	PI/2 BPSK	36	43		14.25		15.70
15	PI/2 BPSK	75	0		14.35		15.70
15	QPSK	1	1		14.27		15.70
15	QPSK	1	40		14.25		15.70
15	QPSK	1	77		14.25		15.70
15	QPSK	36	0		14.23		15.70
15	QPSK	36	22		14.34		15.70
15	QPSK	36	43		14.28		15.70
15	QPSK	75	0		14.28		15.70
15	16QAM	1	1		14.33		15.70
15	64QAM	1	1		14.34		15.70
15	256QAM	1	1		14.25		15.70
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	14.35	14.25	14.21	15.70
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	14.32	14.11	14.17	15.70

【FR1 n70_Ant 3_Full Power】

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		23.61		24.00
15	PI/2 BPSK	1	40		23.42		24.00
15	PI/2 BPSK	1	77		23.47		24.00
15	PI/2 BPSK	36	0		23.41		24.00
15	PI/2 BPSK	36	22		23.51		24.00
15	PI/2 BPSK	36	43		23.40		24.00
15	PI/2 BPSK	75	0		23.45		24.00
15	QPSK	1	1		23.57		24.00
15	QPSK	1	40		23.52		24.00
15	QPSK	1	77		23.54		24.00
15	QPSK	36	0		23.48		24.00
15	QPSK	36	22		23.53		24.00
15	QPSK	36	43		23.42		24.00
15	QPSK	75	0		23.44		24.00
15	16QAM	1	1		23.51		24.00
15	64QAM	1	1		22.70		23.00
15	256QAM	1	1		20.73		21.00
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	23.48	23.51	23.41	24.00
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	23.42	23.39	23.37	24.00

【FR1 n70_Ant 3_DSI 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		23.61		24.00
15	PI/2 BPSK	1	40		23.42		24.00
15	PI/2 BPSK	1	77		23.47		24.00
15	PI/2 BPSK	36	0		23.41		24.00

15	PI/2 BPSK	36	22		23.51		24.00
15	PI/2 BPSK	36	43		23.40		24.00
15	PI/2 BPSK	75	0		23.45		24.00
15	QPSK	1	1		23.57		24.00
15	QPSK	1	40		23.52		24.00
15	QPSK	1	77		23.54		24.00
15	QPSK	36	0		23.48		24.00
15	QPSK	36	22		23.53		24.00
15	QPSK	36	43		23.42		24.00
15	QPSK	75	0		23.44		24.00
15	16QAM	1	1		23.51		24.00
15	64QAM	1	1		22.70		23.00
15	256QAM	1	1		20.73		21.00
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	23.48	23.51	23.41	24.00
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	23.42	23.39	23.37	24.00

【FR1 n70_Ant 3_DSI 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		20.96		21.70
15	PI/2 BPSK	1	40		20.89		21.70
15	PI/2 BPSK	1	77		20.84		21.70
15	PI/2 BPSK	36	0		20.76		21.70
15	PI/2 BPSK	36	22		20.94		21.70
15	PI/2 BPSK	36	43		20.93		21.70
15	PI/2 BPSK	75	0		20.91		21.70
15	QPSK	1	1		20.89		21.70
15	QPSK	1	40		20.86		21.70
15	QPSK	1	77		20.75		21.70
15	QPSK	36	0		20.85		21.70
15	QPSK	36	22		20.95		21.70
15	QPSK	36	43		20.78		21.70
15	QPSK	75	0		20.79		21.70
15	16QAM	1	1		20.93		21.70
15	64QAM	1	1		20.77		21.70
15	256QAM	1	1		20.73		21.00
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	20.89	20.92	20.88	21.70
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	20.81	20.86	20.87	21.70

【FR1 n70_Ant 3_DSI 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		23.61		24.00
15	PI/2 BPSK	1	40		23.42		24.00
15	PI/2 BPSK	1	77		23.47		24.00
15	PI/2 BPSK	36	0		23.41		24.00
15	PI/2 BPSK	36	22		23.51		24.00
15	PI/2 BPSK	36	43		23.40		24.00
15	PI/2 BPSK	75	0		23.45		24.00
15	QPSK	1	1		23.57		24.00
15	QPSK	1	40		23.52		24.00
15	QPSK	1	77		23.54		24.00
15	QPSK	36	0		23.48		24.00
15	QPSK	36	22		23.53		24.00
15	QPSK	36	43		23.42		24.00
15	QPSK	75	0		23.44		24.00
15	16QAM	1	1		23.51		24.00

15	64QAM	1	1		22.70		23.00
15	256QAM	1	1		20.73		21.00
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	23.48	23.51	23.41	24.00
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	23.42	23.39	23.37	24.00

【FR1 n70_Ant 3_DSI 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		23.61		24.00
15	PI/2 BPSK	1	40		23.42		24.00
15	PI/2 BPSK	1	77		23.47		24.00
15	PI/2 BPSK	36	0		23.41		24.00
15	PI/2 BPSK	36	22		23.51		24.00
15	PI/2 BPSK	36	43		23.40		24.00
15	PI/2 BPSK	75	0		23.45		24.00
15	QPSK	1	1		23.57		24.00
15	QPSK	1	40		23.52		24.00
15	QPSK	1	77		23.54		24.00
15	QPSK	36	0		23.48		24.00
15	QPSK	36	22		23.53		24.00
15	QPSK	36	43		23.42		24.00
15	QPSK	75	0		23.44		24.00
15	16QAM	1	1		23.51		24.00
15	64QAM	1	1		22.70		23.00
15	256QAM	1	1		20.73		21.00
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	23.48	23.51	23.41	24.00
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	23.42	23.39	23.37	24.00

【FR1 n70_Ant 3_DSI 7】

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		20.96		22.00
15	PI/2 BPSK	1	40		20.89		22.00
15	PI/2 BPSK	1	77		20.84		22.00
15	PI/2 BPSK	36	0		20.76		22.00
15	PI/2 BPSK	36	22		20.94		22.00
15	PI/2 BPSK	36	43		20.93		22.00
15	PI/2 BPSK	75	0		20.91		22.00
15	QPSK	1	1		20.89		22.00
15	QPSK	1	40		20.86		22.00
15	QPSK	1	77		20.75		22.00
15	QPSK	36	0		20.85		22.00
15	QPSK	36	22		20.95		22.00
15	QPSK	36	43		20.78		22.00
15	QPSK	75	0		20.79		22.00
15	16QAM	1	1		20.93		22.00
15	64QAM	1	1		20.77		22.00
15	256QAM	1	1		20.73		21.00
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	20.89	20.92	20.88	22.00
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	20.81	20.86	20.87	22.00

【FR1 n70_Ant 3_DSI 12】

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		15.21		16.40
15	PI/2 BPSK	1	40		15.17		16.40
15	PI/2 BPSK	1	77		15.08		16.40
15	PI/2 BPSK	36	0		15.08		16.40
15	PI/2 BPSK	36	22		15.19		16.40
15	PI/2 BPSK	36	43		15.11		16.40
15	PI/2 BPSK	75	0		15.18		16.40
15	QPSK	1	1		15.06		16.40
15	QPSK	1	40		15.11		16.40
15	QPSK	1	77		15.08		16.40
15	QPSK	36	0		15.17		16.40
15	QPSK	36	22		15.14		16.40
15	QPSK	36	43		15.07		16.40
15	QPSK	75	0		15.17		16.40
15	16QAM	1	1		15.16		16.40
15	64QAM	1	1		15.06		16.40
15	256QAM	1	1		15.07		16.40
Channel				340000	340500	341000	Tune-up limit
Frequency (MHz)				1700	1702.5	1705	(dBm)
10	PI/2 BPSK	1	1	15.15	15.13	15.12	16.40
Channel				339500	340500	341500	Tune-up limit
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)
5	PI/2 BPSK	1	1	15.10	15.11	15.01	16.40

【FR1 n71_Ant 0_Full Power】

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		23.43		24.00
35	PI/2 BPSK	1	90		23.41		24.00
35	PI/2 BPSK	1	186		23.34		24.00
35	PI/2 BPSK	90	0		23.35		24.00
35	PI/2 BPSK	90	45		23.41		24.00
35	PI/2 BPSK	90	90		23.39		24.00
35	PI/2 BPSK	180	0		23.38		24.00
35	QPSK	1	1		23.33		24.00
35	QPSK	1	90		23.32		24.00
35	QPSK	1	186		23.38		24.00
35	QPSK	90	0		23.41		24.00
35	QPSK	90	45		23.26		24.00
35	QPSK	90	90		23.41		24.00
35	QPSK	180	0		23.34		24.00
35	16QAM	1	1		23.37		24.00
35	64QAM	1	1		22.34		23.00
35	256QAM	1	1		20.37		21.00
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.39	23.40	23.37	24.00
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.36	23.32	23.30	24.00
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	23.29	23.31	23.27	24.00
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.36	23.37	23.35	24.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.34	23.32	23.24	24.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.24	23.30	23.34	24.00

【FR1 n71_Ant 0_DSI 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		23.43		24.00
35	PI/2 BPSK	1	90		23.41		24.00
35	PI/2 BPSK	1	186		23.34		24.00
35	PI/2 BPSK	90	0		23.35		24.00
35	PI/2 BPSK	90	45		23.41		24.00
35	PI/2 BPSK	90	90		23.39		24.00
35	PI/2 BPSK	180	0		23.38		24.00
35	QPSK	1	1		23.33		24.00
35	QPSK	1	90		23.32		24.00
35	QPSK	1	186		23.38		24.00
35	QPSK	90	0		23.41		24.00
35	QPSK	90	45		23.26		24.00
35	QPSK	90	90		23.41		24.00
35	QPSK	180	0		23.34		24.00
35	16QAM	1	1		23.37		24.00
35	64QAM	1	1		22.34		23.00
35	256QAM	1	1		20.37		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.39	23.40	23.37	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.36	23.32	23.30	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.29	23.31	23.27	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.36	23.37	23.35	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.34	23.32	23.24	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.24	23.30	23.34	24.00

【FR1 n71_Ant 0_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.43		24.00
35	PI/2 BPSK	1	90		23.41		24.00
35	PI/2 BPSK	1	186		23.34		24.00
35	PI/2 BPSK	90	0		23.35		24.00
35	PI/2 BPSK	90	45		23.41		24.00
35	PI/2 BPSK	90	90		23.39		24.00
35	PI/2 BPSK	180	0		23.38		24.00
35	QPSK	1	1		23.33		24.00
35	QPSK	1	90		23.32		24.00
35	QPSK	1	186		23.38		24.00
35	QPSK	90	0		23.41		24.00
35	QPSK	90	45		23.26		24.00
35	QPSK	90	90		23.41		24.00
35	QPSK	180	0		23.34		24.00
35	16QAM	1	1		23.37		24.00
35	64QAM	1	1		22.34		23.00
35	256QAM	1	1		20.37		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.39	23.40	23.37	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.36	23.32	23.30	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	

20	PI/2 BPSK	1	1	23.29	23.31	23.27	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.36	23.37	23.35	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.34	23.32	23.24	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.24	23.30	23.34	24.00

【FR1 n71_Ant 0_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.43		24.00
35	PI/2 BPSK	1	90		23.41		24.00
35	PI/2 BPSK	1	186		23.34		24.00
35	PI/2 BPSK	90	0		23.35		24.00
35	PI/2 BPSK	90	45		23.41		24.00
35	PI/2 BPSK	90	90		23.39		24.00
35	PI/2 BPSK	180	0		23.38		24.00
35	QPSK	1	1		23.33		24.00
35	QPSK	1	90		23.32		24.00
35	QPSK	1	186		23.38		24.00
35	QPSK	90	0		23.41		24.00
35	QPSK	90	45		23.26		24.00
35	QPSK	90	90		23.41		24.00
35	QPSK	180	0		23.34		24.00
35	16QAM	1	1		23.37		24.00
35	64QAM	1	1		22.34		23.00
35	256QAM	1	1		20.37		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.39	23.40	23.37	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.36	23.32	23.30	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.29	23.31	23.27	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.36	23.37	23.35	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.34	23.32	23.24	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.24	23.30	23.34	24.00

【FR1 n71_Ant 0_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.43		24.00
35	PI/2 BPSK	1	90		23.41		24.00
35	PI/2 BPSK	1	186		23.34		24.00
35	PI/2 BPSK	90	0		23.35		24.00
35	PI/2 BPSK	90	45		23.41		24.00
35	PI/2 BPSK	90	90		23.39		24.00
35	PI/2 BPSK	180	0		23.38		24.00
35	QPSK	1	1		23.33		24.00
35	QPSK	1	90		23.32		24.00
35	QPSK	1	186		23.38		24.00
35	QPSK	90	0		23.41		24.00
35	QPSK	90	45		23.26		24.00

35	QPSK	90	90		23.41		24.00
35	QPSK	180	0		23.34		24.00
35	16QAM	1	1		23.37		24.00
35	64QAM	1	1		22.34		23.00
35	256QAM	1	1		20.37		21.00
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.39	23.40	23.37	24.00
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.36	23.32	23.30	24.00
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	23.29	23.31	23.27	24.00
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.36	23.37	23.35	24.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.34	23.32	23.24	24.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.24	23.30	23.34	24.00

【FR1 n71_Ant 0_DSI 7】

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		23.43		24.00
35	PI/2 BPSK	1	90		23.41		24.00
35	PI/2 BPSK	1	186		23.34		24.00
35	PI/2 BPSK	90	0		23.35		24.00
35	PI/2 BPSK	90	45		23.41		24.00
35	PI/2 BPSK	90	90		23.39		24.00
35	PI/2 BPSK	180	0		23.38		24.00
35	QPSK	1	1		23.33		24.00
35	QPSK	1	90		23.32		24.00
35	QPSK	1	186		23.38		24.00
35	QPSK	90	0		23.41		24.00
35	QPSK	90	45		23.26		24.00
35	QPSK	90	90		23.41		24.00
35	QPSK	180	0		23.34		24.00
35	16QAM	1	1		23.37		24.00
35	64QAM	1	1		22.34		23.00
35	256QAM	1	1		20.37		21.00
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.39	23.40	23.37	24.00
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.36	23.32	23.30	24.00
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	23.29	23.31	23.27	24.00
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.36	23.37	23.35	24.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.34	23.32	23.24	24.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.24	23.30	23.34	24.00

【FR1 n71_Ant 0_DSI 12】

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		21.51		23.00
35	PI/2 BPSK	1	90		21.48		23.00
35	PI/2 BPSK	1	186		21.46		23.00
35	PI/2 BPSK	90	0		21.44		23.00
35	PI/2 BPSK	90	45		21.49		23.00
35	PI/2 BPSK	90	90		21.44		23.00
35	PI/2 BPSK	180	0		21.45		23.00
35	QPSK	1	1		21.44		23.00
35	QPSK	1	90		21.47		23.00
35	QPSK	1	186		21.44		23.00
35	QPSK	90	0		21.44		23.00
35	QPSK	90	45		21.39		23.00
35	QPSK	90	90		21.39		23.00
35	QPSK	180	0		21.38		23.00
35	16QAM	1	1		21.46		23.00
35	64QAM	1	1		21.48		23.00
35	256QAM	1	1		19.53		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	21.45	21.41	21.43	23.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	21.36	21.29	21.32	23.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	21.38	21.38	21.38	23.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	21.42	21.26	21.39	23.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	21.32	21.38	21.38	23.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	21.37	21.37	21.29	23.00

【FR1 n71_Ant 1_Full Power】

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		23.27		24.00
35	PI/2 BPSK	1	90		23.24		24.00
35	PI/2 BPSK	1	186		23.21		24.00
35	PI/2 BPSK	90	0		23.16		24.00
35	PI/2 BPSK	90	45		23.24		24.00
35	PI/2 BPSK	90	90		23.24		24.00
35	PI/2 BPSK	180	0		23.21		24.00
35	QPSK	1	1		23.19		24.00
35	QPSK	1	90		23.24		24.00
35	QPSK	1	186		23.17		24.00
35	QPSK	90	0		23.21		24.00
35	QPSK	90	45		23.34		24.00
35	QPSK	90	90		23.24		24.00
35	QPSK	180	0		23.21		24.00
35	16QAM	1	1		23.15		24.00
35	64QAM	1	1		22.19		23.00
35	256QAM	1	1		20.13		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.21	23.25	23.18	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.12	23.17	23.07	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	



20	PI/2 BPSK	1	1	23.20	23.15	23.08	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.19	23.14	23.07	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.16	23.22	23.15	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.18	23.10	23.15	24.00

【FR1 n71_Ant 1_DSI 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		Tune-up limit (dBm)
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.27		24.00
35	PI/2 BPSK	1	90		23.24		24.00
35	PI/2 BPSK	1	186		23.21		24.00
35	PI/2 BPSK	90	0		23.16		24.00
35	PI/2 BPSK	90	45		23.24		24.00
35	PI/2 BPSK	90	90		23.24		24.00
35	PI/2 BPSK	180	0		23.21		24.00
35	QPSK	1	1		23.19		24.00
35	QPSK	1	90		23.24		24.00
35	QPSK	1	186		23.17		24.00
35	QPSK	90	0		23.21		24.00
35	QPSK	90	45		23.34		24.00
35	QPSK	90	90		23.24		24.00
35	QPSK	180	0		23.21		24.00
35	16QAM	1	1		23.15		24.00
35	64QAM	1	1		22.19		23.00
35	256QAM	1	1		20.13		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.21	23.25	23.18	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.12	23.17	23.07	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.20	23.15	23.08	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.19	23.14	23.07	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.16	23.22	23.15	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.18	23.10	23.15	24.00

【FR1 n71_Ant 1_DSI 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					136100		Tune-up limit (dBm)
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		19.83		21.00
35	PI/2 BPSK	1	90		19.77		21.00
35	PI/2 BPSK	1	186		19.71		21.00
35	PI/2 BPSK	90	0		19.71		21.00
35	PI/2 BPSK	90	45		19.82		21.00
35	PI/2 BPSK	90	90		19.78		21.00
35	PI/2 BPSK	180	0		19.76		21.00
35	QPSK	1	1		19.69		21.00
35	QPSK	1	90		19.73		21.00
35	QPSK	1	186		19.69		21.00
35	QPSK	90	0		19.80		21.00
35	QPSK	90	45		19.79		21.00

35	QPSK	90	90		19.78		21.00
35	QPSK	180	0		19.69		21.00
35	16QAM	1	1		19.77		21.00
35	64QAM	1	1		19.72		21.00
35	256QAM	1	1		19.77		21.00
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	19.75	19.73	19.72	21.00
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	19.67	19.67	19.64	21.00
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	19.72	19.62	19.60	21.00
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	19.65	19.70	19.70	21.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	19.68	19.65	19.60	21.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	19.62	19.64	19.66	21.00

【FR1 n71_Ant 1_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		19.83		21.00
35	PI/2 BPSK	1	90		19.77		21.00
35	PI/2 BPSK	1	186		19.71		21.00
35	PI/2 BPSK	90	0		19.71		21.00
35	PI/2 BPSK	90	45		19.82		21.00
35	PI/2 BPSK	90	90		19.78		21.00
35	PI/2 BPSK	180	0		19.76		21.00
35	QPSK	1	1		19.69		21.00
35	QPSK	1	90		19.73		21.00
35	QPSK	1	186		19.69		21.00
35	QPSK	90	0		19.80		21.00
35	QPSK	90	45		19.79		21.00
35	QPSK	90	90		19.78		21.00
35	QPSK	180	0		19.69		21.00
35	16QAM	1	1		19.77		21.00
35	64QAM	1	1		19.72		21.00
35	256QAM	1	1		19.77		21.00
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	19.75	19.73	19.72	21.00
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	19.67	19.67	19.64	21.00
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	19.72	19.62	19.60	21.00
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	19.65	19.70	19.70	21.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	19.68	19.65	19.60	21.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	19.62	19.64	19.66	21.00

【FR1 n71_Ant 1_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		19.83		21.00
35	PI/2 BPSK	1	90		19.77		21.00
35	PI/2 BPSK	1	186		19.71		21.00
35	PI/2 BPSK	90	0		19.71		21.00
35	PI/2 BPSK	90	45		19.82		21.00
35	PI/2 BPSK	90	90		19.78		21.00
35	PI/2 BPSK	180	0		19.76		21.00
35	QPSK	1	1		19.69		21.00
35	QPSK	1	90		19.73		21.00
35	QPSK	1	186		19.69		21.00
35	QPSK	90	0		19.80		21.00
35	QPSK	90	45		19.79		21.00
35	QPSK	90	90		19.78		21.00
35	QPSK	180	0		19.69		21.00
35	16QAM	1	1		19.77		21.00
35	64QAM	1	1		19.72		21.00
35	256QAM	1	1		19.77		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	19.75	19.73	19.72	21.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	19.67	19.67	19.64	21.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	19.72	19.62	19.60	21.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	19.65	19.70	19.70	21.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	19.68	19.65	19.60	21.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	19.62	19.64	19.66	21.00

【FR1 n71_Ant 1_DSI 7】

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		23.27		24.00
35	PI/2 BPSK	1	90		23.24		24.00
35	PI/2 BPSK	1	186		23.21		24.00
35	PI/2 BPSK	90	0		23.16		24.00
35	PI/2 BPSK	90	45		23.24		24.00
35	PI/2 BPSK	90	90		23.24		24.00
35	PI/2 BPSK	180	0		23.21		24.00
35	QPSK	1	1		23.19		24.00
35	QPSK	1	90		23.24		24.00
35	QPSK	1	186		23.17		24.00
35	QPSK	90	0		23.21		24.00
35	QPSK	90	45		23.34		24.00
35	QPSK	90	90		23.24		24.00
35	QPSK	180	0		23.21		24.00
35	16QAM	1	1		23.15		24.00
35	64QAM	1	1		22.19		23.00
35	256QAM	1	1		20.13		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.21	23.25	23.18	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.12	23.17	23.07	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	



20	PI/2 BPSK	1	1	23.20	23.15	23.08	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.19	23.14	23.07	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.16	23.22	23.15	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.18	23.10	23.15	24.00

【FR1 n71_Ant 1_DSI 12】

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		19.83		21.00
35	PI/2 BPSK	1	90		19.77		21.00
35	PI/2 BPSK	1	186		19.71		21.00
35	PI/2 BPSK	90	0		19.71		21.00
35	PI/2 BPSK	90	45		19.82		21.00
35	PI/2 BPSK	90	90		19.78		21.00
35	PI/2 BPSK	180	0		19.76		21.00
35	QPSK	1	1		19.69		21.00
35	QPSK	1	90		19.73		21.00
35	QPSK	1	186		19.69		21.00
35	QPSK	90	0		19.80		21.00
35	QPSK	90	45		19.79		21.00
35	QPSK	90	90		19.78		21.00
35	QPSK	180	0		19.69		21.00
35	16QAM	1	1		19.77		21.00
35	64QAM	1	1		19.72		21.00
35	256QAM	1	1		19.77		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	19.75	19.73	19.72	21.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	19.67	19.67	19.64	21.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	19.72	19.62	19.60	21.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	19.65	19.70	19.70	21.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	19.68	19.65	19.60	21.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	19.62	19.64	19.66	21.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.66		24.00
100	PI/2 BPSK	1	137		22.37		24.00
100	PI/2 BPSK	1	271		22.52		24.00
100	PI/2 BPSK	135	0		22.46		24.00
100	PI/2 BPSK	135	69		22.64		24.00
100	PI/2 BPSK	135	138		22.35		24.00
100	PI/2 BPSK	270	0		22.62		24.00
100	QPSK	1	1		22.57		24.00
100	QPSK	1	137		22.28		24.00
100	QPSK	1	271		22.48		24.00
100	QPSK	135	0		22.39		24.00
100	QPSK	135	69		22.34		24.00



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100	QPSK	135	138		22.39		24.00
100	QPSK	270	0		22.38		24.00
100	16QAM	1	1		22.60		24.00
100	64QAM	1	1		22.58		24.00
100	256QAM	1	1		22.62		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	22.58	22.61	22.55	24.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	22.49	22.51	22.42	24.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	22.44	22.50	22.48	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	22.45	22.59	22.45	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	22.52	22.46	22.41	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	22.47	22.51	22.46	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	22.52	22.49	22.49	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	22.52	22.58	22.41	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	22.47	22.56	22.43	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	22.48	22.52	22.50	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	22.55	22.58	22.44	24.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 2_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.85	22.87	22.81	24.00
100	PI/2 BPSK	1	137	22.48	22.52	22.45	24.00
100	PI/2 BPSK	1	271	22.54	22.62	22.42	24.00
100	PI/2 BPSK	135	0	22.64	22.80	22.71	24.00
100	PI/2 BPSK	135	69	22.80	22.84	22.76	24.00
100	PI/2 BPSK	135	138	22.46	22.58	22.42	24.00
100	PI/2 BPSK	270	0	22.73	22.81	22.68	24.00
100	QPSK	1	1	22.75	22.82	22.71	24.00
100	QPSK	1	137	22.49	22.52	22.41	24.00
100	QPSK	1	271	22.50	22.66	22.48	24.00
100	QPSK	135	0	22.45	22.56	22.37	24.00
100	QPSK	135	69	22.39	22.48	22.30	24.00
100	QPSK	135	138	22.48	22.52	22.35	24.00
100	QPSK	270	0	22.42	22.57	22.39	24.00
100	16QAM	1	1	22.53	22.64	22.56	24.00
100	64QAM	1	1	22.59	22.71	22.61	24.00
100	256QAM	1	1	22.50	22.61	22.53	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	22.82	22.77	22.67	24.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	22.79	22.74	22.78	24.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	22.78	22.83	22.73	24.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	22.81	22.74	22.66	24.00
Channel				648334	656000	663666	Tune-up limit



	Frequency (MHz)			3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	22.75	22.83	22.77	24.00
	Channel			648000	656000	664000	Tune-up limit (dBm)
	Frequency (MHz)			3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	22.81	22.84	22.75	24.00
	Channel			647668	656000	664332	Tune-up limit (dBm)
	Frequency (MHz)			3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	22.70	22.80	22.66	24.00
	Channel			647500	656000	664500	Tune-up limit (dBm)
	Frequency (MHz)			3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	22.70	22.75	22.75	24.00
	Channel			647334	656000	664666	Tune-up limit (dBm)
	Frequency (MHz)			3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	22.75	22.79	22.70	24.00
	Channel			647168	656000	664832	Tune-up limit (dBm)
	Frequency (MHz)			3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	22.76	22.75	22.69	24.00
	Channel			647000	656000	665000	Tune-up limit (dBm)
	Frequency (MHz)			3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	22.74	22.78	22.80	24.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_Full Power】

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		25.63		27.00
100	PI/2 BPSK	1	137		25.36		27.00
100	PI/2 BPSK	1	271		25.58		27.00
100	PI/2 BPSK	135	0		25.55		26.50
100	PI/2 BPSK	135	69		25.60		27.00
100	PI/2 BPSK	135	138		25.47		26.50
100	PI/2 BPSK	270	0		25.58		26.50
100	QPSK	1	1		25.58		27.00
100	QPSK	1	137		25.42		27.00
100	QPSK	1	271		25.49		27.00
100	QPSK	135	0		25.36		26.00
100	QPSK	135	69		25.38		27.00
100	QPSK	135	138		25.32		26.00
100	QPSK	270	0		25.34		26.00
100	16QAM	1	1		25.58		26.00
100	64QAM	1	1		24.47		24.50
100	256QAM	1	1		22.36		22.50
	Channel			633000	633332	633666	Tune-up limit (dBm)
	Frequency (MHz)			3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.51	25.58	25.50	27.00
	Channel			632668	633332	634000	Tune-up limit (dBm)
	Frequency (MHz)			3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.41	25.47	25.41	27.00
	Channel			632334	633332	634332	Tune-up limit (dBm)
	Frequency (MHz)			3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.48	25.54	25.38	27.00
	Channel			632000	633332	634666	Tune-up limit (dBm)
	Frequency (MHz)			3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.46	25.51	25.40	27.00
	Channel			631668	633332	635000	Tune-up limit (dBm)
	Frequency (MHz)			3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.38	25.54	25.40	27.00
	Channel			631334	633332	635332	Tune-up limit (dBm)
	Frequency (MHz)			3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.49	25.48	25.35	27.00
	Channel			631000	633332	635666	Tune-up limit (dBm)
	Frequency (MHz)			3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.48	25.48	25.36	27.00
	Channel			630834	633332	635832	Tune-up limit (dBm)
	Frequency (MHz)			3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.41	25.48	25.36	27.00
	Channel			630668	633332	636000	Tune-up limit (dBm)
	Frequency (MHz)			3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.42	25.50	25.39	27.00
	Channel			630500	633332	636166	Tune-up limit (dBm)
	Frequency (MHz)			3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.41	25.55	25.36	27.00
	Channel			630334	633332	636332	Tune-up limit (dBm)



Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.46	25.43	25.48	27.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 2_Full Power】

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	25.76	25.86	25.83	27.00
100	PI/2 BPSK	1	137	25.29	25.53	25.43	27.00
100	PI/2 BPSK	1	271	25.40	25.59	25.47	27.00
100	PI/2 BPSK	135	0	25.44	25.64	25.49	26.50
100	PI/2 BPSK	135	69	25.72	25.81	25.77	27.00
100	PI/2 BPSK	135	138	25.41	25.53	25.46	26.50
100	PI/2 BPSK	270	0	25.54	25.79	25.67	26.50
100	QPSK	1	1	25.62	25.78	25.64	27.00
100	QPSK	1	137	25.37	25.49	25.37	27.00
100	QPSK	1	271	25.28	25.52	25.35	27.00
100	QPSK	135	0	25.43	25.65	25.48	26.00
100	QPSK	135	69	25.27	25.42	25.26	27.00
100	QPSK	135	138	25.37	25.51	25.38	26.00
100	QPSK	270	0	25.34	25.51	25.36	26.00
100	16QAM	1	1	25.48	25.67	25.58	26.00
100	64QAM	1	1	24.75	24.91	24.74	26.00
100	256QAM	1	1	22.58	22.79	22.75	24.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.63	25.72	25.81	27.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.62	25.75	25.82	27.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.63	25.84	25.74	27.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.71	25.79	25.75	27.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.65	25.81	25.72	27.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.62	25.71	25.73	27.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.62	25.82	25.77	27.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	25.75	25.81	25.68	27.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.74	25.79	25.82	27.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.73	25.73	25.75	27.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.65	25.80	25.72	27.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 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		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.66		24.00
100	PI/2 BPSK	1	137		22.37		24.00
100	PI/2 BPSK	1	271		22.52		24.00
100	PI/2 BPSK	135	0		22.46		24.00
100	PI/2 BPSK	135	69		22.64		24.00



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100	PI/2 BPSK	135	138		22.35		24.00
100	PI/2 BPSK	270	0		22.62		24.00
100	QPSK	1	1		22.57		24.00
100	QPSK	1	137		22.28		24.00
100	QPSK	1	271		22.48		24.00
100	QPSK	135	0		22.39		24.00
100	QPSK	135	69		22.34		24.00
100	QPSK	135	138		22.39		24.00
100	QPSK	270	0		22.38		24.00
100	16QAM	1	1		22.60		24.00
100	64QAM	1	1		22.58		24.00
100	256QAM	1	1		22.62		24.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.58	22.61	22.55	24.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.49	22.51	22.42	24.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.44	22.50	22.48	24.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.45	22.59	22.45	24.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.52	22.46	22.41	24.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.47	22.51	22.46	24.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.52	22.49	22.49	24.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.52	22.58	22.41	24.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.47	22.56	22.43	24.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.48	22.52	22.50	24.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.55	22.58	22.44	24.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 2_DSI 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	22.85	22.87	22.81	24.00
100	PI/2 BPSK	1	137	22.48	22.52	22.45	24.00
100	PI/2 BPSK	1	271	22.54	22.62	22.42	24.00
100	PI/2 BPSK	135	0	22.64	22.80	22.71	24.00
100	PI/2 BPSK	135	69	22.80	22.84	22.76	24.00
100	PI/2 BPSK	135	138	22.46	22.58	22.42	24.00
100	PI/2 BPSK	270	0	22.73	22.81	22.68	24.00
100	QPSK	1	1	22.75	22.82	22.71	24.00
100	QPSK	1	137	22.49	22.52	22.41	24.00
100	QPSK	1	271	22.50	22.66	22.48	24.00
100	QPSK	135	0	22.45	22.56	22.37	24.00
100	QPSK	135	69	22.39	22.48	22.30	24.00
100	QPSK	135	138	22.48	22.52	22.35	24.00
100	QPSK	270	0	22.42	22.57	22.39	24.00
100	16QAM	1	1	22.53	22.64	22.56	24.00
100	64QAM	1	1	22.59	22.71	22.61	24.00
100	256QAM	1	1	22.50	22.61	22.53	24.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.82	22.77	22.67	24.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.79	22.74	22.78	24.00



Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	22.78	22.83	22.73	24.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	22.81	22.74	22.66	24.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	22.75	22.83	22.77	24.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	22.81	22.84	22.75	24.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	22.70	22.80	22.66	24.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	22.70	22.75	22.75	24.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	22.75	22.79	22.70	24.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	22.76	22.75	22.69	24.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	22.74	22.78	22.80	24.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 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		18.77		19.50
100	PI/2 BPSK	1	137		18.52		19.50
100	PI/2 BPSK	1	271		18.48		19.50
100	PI/2 BPSK	135	0		18.60		19.50
100	PI/2 BPSK	135	69		18.74		19.50
100	PI/2 BPSK	135	138		18.67		19.50
100	PI/2 BPSK	270	0		18.71		19.50
100	QPSK	1	1		18.60		19.50
100	QPSK	1	137		18.50		19.50
100	QPSK	1	271		18.62		19.50
100	QPSK	135	0		18.56		19.50
100	QPSK	135	69		18.46		19.50
100	QPSK	135	138		18.67		19.50
100	QPSK	270	0		18.55		19.50
100	16QAM	1	1		18.46		19.50
100	64QAM	1	1		18.52		19.50
100	256QAM	1	1		18.55		19.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.72	18.68	18.65	19.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.60	18.65	18.58	19.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.62	18.63	18.60	19.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.67	18.58	18.54	19.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.69	18.56	18.52	19.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.61	18.55	18.61	19.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.62	18.66	18.54	19.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.67	18.59	18.53	19.50



Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.61	18.64	18.57	19.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	18.64	18.61	18.61	19.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.69	18.56	18.63	19.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 2_DSI 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	18.87	18.91	18.84	19.50
100	PI/2 BPSK	1	137	18.54	18.72	18.57	19.50
100	PI/2 BPSK	1	271	18.73	18.84	18.70	19.50
100	PI/2 BPSK	135	0	18.53	18.68	18.51	19.50
100	PI/2 BPSK	135	69	18.82	18.89	18.83	19.50
100	PI/2 BPSK	135	138	18.70	18.85	18.66	19.50
100	PI/2 BPSK	270	0	18.73	18.83	18.75	19.50
100	QPSK	1	1	18.62	18.67	18.55	19.50
100	QPSK	1	137	18.56	18.71	18.62	19.50
100	QPSK	1	271	18.59	18.73	18.60	19.50
100	QPSK	135	0	18.68	18.76	18.56	19.50
100	QPSK	135	69	18.63	18.77	18.62	19.50
100	QPSK	135	138	18.65	18.74	18.55	19.50
100	QPSK	270	0	18.65	18.71	18.55	19.50
100	16QAM	1	1	18.72	18.87	18.76	19.50
100	64QAM	1	1	18.75	18.88	18.75	19.50
100	256QAM	1	1	18.54	18.73	18.59	19.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	18.77	18.89	18.71	19.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	18.77	18.82	18.72	19.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	18.77	18.85	18.74	19.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	18.85	18.80	18.80	19.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	18.83	18.83	18.71	19.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	18.74	18.85	18.78	19.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	18.86	18.81	18.77	19.50
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	18.84	18.81	18.73	19.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	18.83	18.84	18.75	19.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	18.81	18.79	18.74	19.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	18.82	18.83	18.76	19.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 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		20.72		21.90
100	PI/2 BPSK	1	137		20.68		21.90
100	PI/2 BPSK	1	271		20.65		21.90
100	PI/2 BPSK	135	0		20.57		21.90
100	PI/2 BPSK	135	69		20.69		21.90
100	PI/2 BPSK	135	138		20.56		21.90
100	PI/2 BPSK	270	0		20.65		21.90
100	QPSK	1	1		20.59		21.90
100	QPSK	1	137		20.66		21.90
100	QPSK	1	271		20.67		21.90
100	QPSK	135	0		20.52		21.90
100	QPSK	135	69		20.63		21.90
100	QPSK	135	138		20.51		21.90
100	QPSK	270	0		20.45		21.90
100	16QAM	1	1		20.46		21.90
100	64QAM	1	1		20.51		21.90
100	256QAM	1	1		20.58		21.90
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.68	20.66	20.70	21.90
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.57	20.63	20.64	21.90
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.57	20.60	20.66	21.90
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.64	20.60	20.58	21.90
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.59	20.56	20.56	21.90
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.63	20.62	20.57	21.90
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.67	20.64	20.65	21.90
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.59	20.59	20.56	21.90
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.58	20.59	20.63	21.90
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.64	20.53	20.57	21.90
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.62	20.62	20.60	21.90

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_Ant 2_DSI 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	20.85	20.89	20.87	21.90
100	PI/2 BPSK	1	137	20.59	20.66	20.59	21.90
100	PI/2 BPSK	1	271	20.68	20.83	20.77	21.90
100	PI/2 BPSK	135	0	20.62	20.80	20.69	21.90
100	PI/2 BPSK	135	69	20.81	20.85	20.83	21.90
100	PI/2 BPSK	135	138	20.59	20.67	20.55	21.90
100	PI/2 BPSK	270	0	20.74	20.82	20.77	21.90
100	QPSK	1	1	20.55	20.70	20.54	21.90
100	QPSK	1	137	20.57	20.71	20.54	21.90
100	QPSK	1	271	20.67	20.81	20.74	21.90



100	QPSK	135	0	20.71	20.86	20.70	21.90
100	QPSK	135	69	20.76	20.82	20.78	21.90
100	QPSK	135	138	20.69	20.79	20.72	21.90
100	QPSK	270	0	20.60	20.74	20.70	21.90
100	16QAM	1	1	20.65	20.80	20.71	21.90
100	64QAM	1	1	20.71	20.81	20.77	21.90
100	256QAM	1	1	20.73	20.84	20.80	21.90
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	20.84	20.83	20.83	21.90
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	20.76	20.86	20.81	21.90
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	20.82	20.81	20.76	21.90
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	20.73	20.86	20.84	21.90
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	20.71	20.75	20.85	21.90
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	20.81	20.77	20.78	21.90
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	20.77	20.76	20.83	21.90
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	20.76	20.84	20.76	21.90
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	20.77	20.86	20.83	21.90
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	20.84	20.74	20.73	21.90
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	20.80	20.86	20.72	21.90

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 12】

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		10.21		11.40
100	PI/2 BPSK	1	137		10.09		11.40
100	PI/2 BPSK	1	271		10.14		11.40
100	PI/2 BPSK	135	0		10.12		11.40
100	PI/2 BPSK	135	69		10.19		11.40
100	PI/2 BPSK	135	138		10.10		11.40
100	PI/2 BPSK	270	0		10.08		11.40
100	QPSK	1	1		10.17		11.40
100	QPSK	1	137		10.18		11.40
100	QPSK	1	271		10.14		11.40
100	QPSK	135	0		10.10		11.40
100	QPSK	135	69		10.10		11.40
100	QPSK	135	138		10.10		11.40
100	QPSK	270	0		10.07		11.40
100	16QAM	1	1		10.15		11.40
100	64QAM	1	1		10.14		11.40
100	256QAM	1	1		10.14		11.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	10.15	10.13	10.11	11.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	10.13	10.05	10.01	11.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	10.09	10.05	9.97	11.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



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60	PI/2 BPSK	1	1	10.03	10.04	10.09	11.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	10.05	10.09	10.05	11.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	10.02	10.10	10.06	11.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	10.12	10.06	10.00	11.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	10.08	10.07	9.96	11.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	10.06	10.06	10.01	11.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	10.12	10.03	10.02	11.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	10.10	10.10	10.05	11.40

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 2_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	10.19	10.20	10.18	11.40
100	PI/2 BPSK	1	137	10.10	10.05	10.06	11.40
100	PI/2 BPSK	1	271	10.08	10.15	10.05	11.40
100	PI/2 BPSK	135	0	10.10	10.16	10.14	11.40
100	PI/2 BPSK	135	69	10.05	10.19	10.08	11.40
100	PI/2 BPSK	135	138	10.08	10.11	10.10	11.40
100	PI/2 BPSK	270	0	10.08	10.14	10.02	11.40
100	QPSK	1	1	10.07	10.16	10.13	11.40
100	QPSK	1	137	10.08	10.13	10.05	11.40
100	QPSK	1	271	10.14	10.13	10.07	11.40
100	QPSK	135	0	10.13	10.16	10.06	11.40
100	QPSK	135	69	10.06	10.13	10.02	11.40
100	QPSK	135	138	10.09	10.07	10.11	11.40
100	QPSK	270	0	10.08	10.15	10.12	11.40
100	16QAM	1	1	10.08	10.12	10.04	11.40
100	64QAM	1	1	10.03	10.12	10.05	11.40
100	256QAM	1	1	10.04	10.09	10.08	11.40
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	10.12	10.08	10.12	11.40
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	10.13	10.07	10.08	11.40
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	10.04	10.06	10.11	11.40
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	10.10	10.14	10.06	11.40
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	10.15	10.16	10.16	11.40
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	10.07	10.18	10.06	11.40
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	10.07	10.13	10.12	11.40
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	10.05	10.13	10.13	11.40
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	10.17	10.12	10.15	11.40
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)



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15	PI/2 BPSK	1	1	10.08	10.13	10.03	11.40
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	10.17	10.12	10.16	11.40

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 7】

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		17.20		18.40
100	PI/2 BPSK	1	137		17.15		18.40
100	PI/2 BPSK	1	271		17.08		18.40
100	PI/2 BPSK	135	0		17.07		18.40
100	PI/2 BPSK	135	69		17.18		18.40
100	PI/2 BPSK	135	138		17.07		18.40
100	PI/2 BPSK	270	0		17.16		18.40
100	QPSK	1	1		16.95		18.40
100	QPSK	1	137		17.05		18.40
100	QPSK	1	271		17.16		18.40
100	QPSK	135	0		17.17		18.40
100	QPSK	135	69		17.06		18.40
100	QPSK	135	138		17.10		18.40
100	QPSK	270	0		17.11		18.40
100	16QAM	1	1		17.06		18.40
100	64QAM	1	1		17.12		18.40
100	256QAM	1	1		17.08		18.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.11	17.18	17.15	18.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.08	17.10	17.12	18.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.08	17.03	17.10	18.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.09	17.08	17.02	18.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.05	17.08	17.12	18.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.02	17.09	17.12	18.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.05	17.11	17.11	18.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.98	17.17	17.08	18.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.07	17.10	17.00	18.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.07	17.04	17.01	18.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.03	17.04	17.12	18.40

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 2_DSI 7】

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	17.37	17.40	17.35	18.40
100	PI/2 BPSK	1	137	17.15	17.20	17.12	18.40
100	PI/2 BPSK	1	271	17.06	17.21	17.14	18.40
100	PI/2 BPSK	135	0	17.19	17.31	17.19	18.40
100	PI/2 BPSK	135	69	17.35	17.38	17.31	18.40
100	PI/2 BPSK	135	138	17.21	17.29	17.15	18.40
100	PI/2 BPSK	270	0	17.25	17.33	17.27	18.40
100	QPSK	1	1	17.21	17.26	17.15	18.40
100	QPSK	1	137	17.19	17.31	17.13	18.40
100	QPSK	1	271	17.20	17.33	17.16	18.40
100	QPSK	135	0	17.23	17.34	17.28	18.40
100	QPSK	135	69	17.17	17.28	17.14	18.40
100	QPSK	135	138	17.18	17.28	17.16	18.40
100	QPSK	270	0	17.08	17.19	17.02	18.40
100	16QAM	1	1	17.26	17.38	17.22	18.40
100	64QAM	1	1	17.10	17.23	17.12	18.40
100	256QAM	1	1	17.15	17.21	17.08	18.40
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.24	17.30	17.21	18.40
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.30	17.35	17.27	18.40
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.26	17.37	17.26	18.40
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.32	17.38	17.26	18.40
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.24	17.33	17.27	18.40
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.36	17.34	17.23	18.40
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	17.28	17.33	17.27	18.40
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	17.32	17.37	17.30	18.40
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.28	17.37	17.30	18.40
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.29	17.29	17.24	18.40
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.26	17.25	17.27	18.40

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 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		22.66		24.00
100	PI/2 BPSK	1	137		22.37		24.00
100	PI/2 BPSK	1	271		22.52		24.00
100	PI/2 BPSK	135	0		22.46		24.00
100	PI/2 BPSK	135	69		22.64		24.00
100	PI/2 BPSK	135	138		22.35		24.00
100	PI/2 BPSK	270	0		22.62		24.00
100	QPSK	1	1		22.57		24.00
100	QPSK	1	137		22.28		24.00
100	QPSK	1	271		22.48		24.00



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100	QPSK	135	0		22.39		24.00
100	QPSK	135	69		22.34		24.00
100	QPSK	135	138		22.39		24.00
100	QPSK	270	0		22.38		24.00
100	16QAM	1	1		22.60		24.00
100	64QAM	1	1		22.58		24.00
100	256QAM	1	1		22.62		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	22.58	22.61	22.55	24.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	22.49	22.51	22.42	24.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	22.44	22.50	22.48	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	22.45	22.59	22.45	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	22.52	22.46	22.41	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	22.47	22.51	22.46	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	22.52	22.49	22.49	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	22.52	22.58	22.41	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	22.47	22.56	22.43	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	22.48	22.52	22.50	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	22.55	22.58	22.44	24.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 2_DSI 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	22.85	22.87	22.81	24.00
100	PI/2 BPSK	1	137	22.48	22.52	22.45	24.00
100	PI/2 BPSK	1	271	22.54	22.62	22.42	24.00
100	PI/2 BPSK	135	0	22.64	22.80	22.71	24.00
100	PI/2 BPSK	135	69	22.80	22.84	22.76	24.00
100	PI/2 BPSK	135	138	22.46	22.58	22.42	24.00
100	PI/2 BPSK	270	0	22.73	22.81	22.68	24.00
100	QPSK	1	1	22.75	22.82	22.71	24.00
100	QPSK	1	137	22.49	22.52	22.41	24.00
100	QPSK	1	271	22.50	22.66	22.48	24.00
100	QPSK	135	0	22.45	22.56	22.37	24.00
100	QPSK	135	69	22.39	22.48	22.30	24.00
100	QPSK	135	138	22.48	22.52	22.35	24.00
100	QPSK	270	0	22.42	22.57	22.39	24.00
100	16QAM	1	1	22.53	22.64	22.56	24.00
100	64QAM	1	1	22.59	22.71	22.61	24.00
100	256QAM	1	1	22.50	22.61	22.53	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	22.82	22.77	22.67	24.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	22.79	22.74	22.78	24.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	22.78	22.83	22.73	24.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)



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60	PI/2 BPSK	1	1	22.81	22.74	22.66	24.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	22.75	22.83	22.77	24.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	22.81	22.84	22.75	24.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	22.70	22.80	22.66	24.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	22.70	22.75	22.75	24.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	22.75	22.79	22.70	24.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	22.76	22.75	22.69	24.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	22.74	22.78	22.80	24.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 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		25.63		27.00
100	PI/2 BPSK	1	137		25.36		27.00
100	PI/2 BPSK	1	271		25.58		27.00
100	PI/2 BPSK	135	0		25.55		26.50
100	PI/2 BPSK	135	69		25.60		27.00
100	PI/2 BPSK	135	138		25.47		26.50
100	PI/2 BPSK	270	0		25.58		26.50
100	QPSK	1	1		25.58		27.00
100	QPSK	1	137		25.42		27.00
100	QPSK	1	271		25.49		27.00
100	QPSK	135	0		25.36		26.00
100	QPSK	135	69		25.38		27.00
100	QPSK	135	138		25.32		26.00
100	QPSK	270	0		25.34		26.00
100	16QAM	1	1		25.58		26.00
100	64QAM	1	1		24.47		24.50
100	256QAM	1	1		22.36		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.51	25.58	25.50	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.41	25.47	25.41	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.48	25.54	25.38	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.46	25.51	25.40	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.38	25.54	25.40	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.49	25.48	25.35	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.48	25.48	25.36	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.41	25.48	25.36	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.42	25.50	25.39	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)



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15	PI/2 BPSK	1	1	25.41	25.55	25.36	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.46	25.43	25.48	27.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 2_DSI 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	25.76	25.86	25.83	27.00
100	PI/2 BPSK	1	137	25.29	25.53	25.43	27.00
100	PI/2 BPSK	1	271	25.40	25.59	25.47	27.00
100	PI/2 BPSK	135	0	25.44	25.64	25.49	26.50
100	PI/2 BPSK	135	69	25.72	25.81	25.77	27.00
100	PI/2 BPSK	135	138	25.41	25.53	25.46	26.50
100	PI/2 BPSK	270	0	25.54	25.79	25.67	26.50
100	QPSK	1	1	25.62	25.78	25.64	27.00
100	QPSK	1	137	25.37	25.49	25.37	27.00
100	QPSK	1	271	25.28	25.52	25.35	27.00
100	QPSK	135	0	25.43	25.65	25.48	26.00
100	QPSK	135	69	25.27	25.42	25.26	27.00
100	QPSK	135	138	25.37	25.51	25.38	26.00
100	QPSK	270	0	25.34	25.51	25.36	26.00
100	16QAM	1	1	25.48	25.67	25.58	26.00
100	64QAM	1	1	24.75	24.91	24.74	26.00
100	256QAM	1	1	22.58	22.79	22.75	24.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.63	25.72	25.81	27.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.62	25.75	25.82	27.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.63	25.84	25.74	27.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.71	25.79	25.75	27.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.65	25.81	25.72	27.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.62	25.71	25.73	27.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.62	25.82	25.77	27.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	25.75	25.81	25.68	27.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.74	25.79	25.82	27.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.73	25.73	25.75	27.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.65	25.80	25.72	27.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 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		21.65		22.50
100	PI/2 BPSK	1	137		21.54		22.50
100	PI/2 BPSK	1	271		21.58		22.50
100	PI/2 BPSK	135	0		21.54		22.50
100	PI/2 BPSK	135	69		21.62		22.50
100	PI/2 BPSK	135	138		21.46		22.50
100	PI/2 BPSK	270	0		21.60		22.50
100	QPSK	1	1		21.58		22.50
100	QPSK	1	137		21.44		22.50
100	QPSK	1	271		21.49		22.50
100	QPSK	135	0		21.64		22.50
100	QPSK	135	69		21.58		22.50
100	QPSK	135	138		21.56		22.50
100	QPSK	270	0		21.61		22.50
100	16QAM	1	1		21.60		22.50
100	64QAM	1	1		21.62		22.50
100	256QAM	1	1		21.53		22.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.58	21.63	21.60	22.50
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.55	21.52	21.53	22.50
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.54	21.51	21.57	22.50
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.45	21.50	21.49	22.50
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.49	21.55	21.57	22.50
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.55	21.55	21.50	22.50
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.56	21.60	21.52	22.50
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.47	21.60	21.56	22.50
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.45	21.61	21.50	22.50
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.55	21.54	21.50	22.50
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.50	21.61	21.54	22.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 2_DSI 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	21.86	21.93	21.89	22.50
100	PI/2 BPSK	1	137	21.70	21.83	21.66	22.50
100	PI/2 BPSK	1	271	21.57	21.70	21.57	22.50
100	PI/2 BPSK	135	0	21.56	21.76	21.66	22.50
100	PI/2 BPSK	135	69	21.81	21.88	21.84	22.50
100	PI/2 BPSK	135	138	21.54	21.74	21.58	22.50
100	PI/2 BPSK	270	0	21.70	21.84	21.77	22.50
100	QPSK	1	1	21.69	21.86	21.74	22.50
100	QPSK	1	137	21.66	21.82	21.64	22.50
100	QPSK	1	271	21.69	21.83	21.70	22.50
100	QPSK	135	0	21.68	21.86	21.81	22.50
100	QPSK	135	69	21.61	21.81	21.70	22.50
100	QPSK	135	138	21.53	21.72	21.66	22.50
100	QPSK	270	0	21.63	21.75	21.67	22.50
100	16QAM	1	1	21.51	21.65	21.52	22.50
100	64QAM	1	1	21.59	21.68	21.54	22.50
100	256QAM	1	1	21.74	21.84	21.69	22.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.83	21.89	21.84	22.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.79	21.87	21.82	22.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.80	21.82	21.81	22.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.75	21.89	21.79	22.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.84	21.88	21.81	22.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.84	21.85	21.78	22.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.72	21.78	21.84	22.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	21.74	21.80	21.76	22.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.80	21.81	21.82	22.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.79	21.87	21.78	22.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.77	21.78	21.78	22.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 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		23.71		24.90
100	PI/2 BPSK	1	137		23.65		24.90
100	PI/2 BPSK	1	271		23.51		24.90
100	PI/2 BPSK	135	0		23.44		24.90
100	PI/2 BPSK	135	69		23.68		24.90
100	PI/2 BPSK	135	138		23.30		24.90
100	PI/2 BPSK	270	0		23.52		24.90
100	QPSK	1	1		23.44		24.90
100	QPSK	1	137		23.62		24.90
100	QPSK	1	271		23.42		24.90



100	QPSK	135	0		23.59		24.90
100	QPSK	135	69		23.61		24.90
100	QPSK	135	138		23.48		24.90
100	QPSK	270	0		23.51		24.90
100	16QAM	1	1		23.43		24.90
100	64QAM	1	1		23.17		24.50
100	256QAM	1	1		21.36		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.61	23.68	23.55	24.90
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.50	23.55	23.51	24.90
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.50	23.61	23.43	24.90
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.58	23.61	23.49	24.90
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.52	23.56	23.49	24.90
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.52	23.57	23.46	24.90
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.54	23.56	23.43	24.90
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.56	23.64	23.47	24.90
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.53	23.63	23.50	24.90
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.50	23.64	23.44	24.90
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.59	23.64	23.42	24.90

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 2_DSI 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	23.84	23.89	23.86	24.90
100	PI/2 BPSK	1	137	23.59	23.65	23.50	24.90
100	PI/2 BPSK	1	271	23.56	23.72	23.57	24.90
100	PI/2 BPSK	135	0	23.70	23.79	23.62	24.90
100	PI/2 BPSK	135	69	23.81	23.85	23.82	24.90
100	PI/2 BPSK	135	138	23.72	23.80	23.72	24.90
100	PI/2 BPSK	270	0	23.54	23.73	23.60	24.90
100	QPSK	1	1	23.59	23.68	23.62	24.90
100	QPSK	1	137	23.58	23.71	23.62	24.90
100	QPSK	1	271	23.76	23.87	23.71	24.90
100	QPSK	135	0	23.67	23.76	23.65	24.90
100	QPSK	135	69	23.66	23.79	23.71	24.90
100	QPSK	135	138	23.55	23.66	23.56	24.90
100	QPSK	270	0	23.79	23.87	23.79	24.90
100	16QAM	1	1	23.69	23.77	23.66	24.90
100	64QAM	1	1	23.74	23.81	23.74	24.90
100	256QAM	1	1	22.63	22.76	22.66	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.75	23.84	23.78	24.90
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.79	23.87	23.80	24.90
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.79	23.81	23.81	24.90
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)



60	PI/2 BPSK	1	1	23.70	23.76	23.80	24.90
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.70	23.77	23.77	24.90
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.82	23.78	23.78	24.90
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.70	23.88	23.81	24.90
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.80	23.81	23.74	24.90
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.73	23.75	23.83	24.90
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.70	23.83	23.76	24.90
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.76	23.86	23.81	24.90

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 12】

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		13.25		14.40
100	PI/2 BPSK	1	137		13.22		14.40
100	PI/2 BPSK	1	271		13.16		14.40
100	PI/2 BPSK	135	0		13.17		14.40
100	PI/2 BPSK	135	69		13.23		14.40
100	PI/2 BPSK	135	138		13.15		14.40
100	PI/2 BPSK	270	0		13.14		14.40
100	QPSK	1	1		13.12		14.40
100	QPSK	1	137		13.19		14.40
100	QPSK	1	271		13.17		14.40
100	QPSK	135	0		13.11		14.40
100	QPSK	135	69		13.19		14.40
100	QPSK	135	138		13.11		14.40
100	QPSK	270	0		13.18		14.40
100	16QAM	1	1		13.17		14.40
100	64QAM	1	1		13.12		14.40
100	256QAM	1	1		13.18		14.40
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.21	13.22	13.18	14.40
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.11	13.14	13.12	14.40
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.13	13.16	13.06	14.40
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.17	13.10	13.05	14.40
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.11	13.16	13.17	14.40
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.08	13.16	13.08	14.40
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.15	13.20	13.06	14.40
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	13.09	13.13	13.16	14.40
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.09	13.21	13.12	14.40
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	



15	PI/2 BPSK	1	1	13.16	13.20	13.12	14.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.16	13.17	13.10	14.40

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 2_DSI 12】

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	13.26	13.28	13.25	14.40
100	PI/2 BPSK	1	137	13.16	13.21	13.10	14.40
100	PI/2 BPSK	1	271	13.13	13.15	13.14	14.40
100	PI/2 BPSK	135	0	13.20	13.18	13.19	14.40
100	PI/2 BPSK	135	69	13.19	13.27	13.17	14.40
100	PI/2 BPSK	135	138	13.18	13.16	13.13	14.40
100	PI/2 BPSK	270	0	13.20	13.20	13.10	14.40
100	QPSK	1	1	13.13	13.14	13.13	14.40
100	QPSK	1	137	13.19	13.24	13.20	14.40
100	QPSK	1	271	13.19	13.17	13.20	14.40
100	QPSK	135	0	13.16	13.21	13.17	14.40
100	QPSK	135	69	13.22	13.24	13.19	14.40
100	QPSK	135	138	13.12	13.21	13.14	14.40
100	QPSK	270	0	13.11	13.21	13.13	14.40
100	16QAM	1	1	13.16	13.20	13.17	14.40
100	64QAM	1	1	13.11	13.23	13.15	14.40
100	256QAM	1	1	13.14	13.23	13.14	14.40
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.17	13.23	13.17	14.40
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	13.17	13.23	13.22	14.40
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	13.24	13.16	13.17	14.40
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.14	13.17	13.15	14.40
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.12	13.24	13.20	14.40
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.20	13.18	13.15	14.40
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	13.25	13.15	13.24	14.40
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	13.25	13.22	13.12	14.40
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	13.23	13.26	13.17	14.40
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.13	13.19	13.16	14.40
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.14	13.15	13.21	14.40



【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 7】

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		20.26		21.40
100	PI/2 BPSK	1	137		19.98		21.40
100	PI/2 BPSK	1	271		19.93		21.40
100	PI/2 BPSK	135	0		19.99		21.40
100	PI/2 BPSK	135	69		20.24		21.40
100	PI/2 BPSK	135	138		20.15		21.40
100	PI/2 BPSK	270	0		20.21		21.40
100	QPSK	1	1		19.99		21.40
100	QPSK	1	137		20.11		21.40
100	QPSK	1	271		19.94		21.40
100	QPSK	135	0		20.06		21.40
100	QPSK	135	69		19.94		21.40
100	QPSK	135	138		19.95		21.40
100	QPSK	270	0		20.11		21.40
100	16QAM	1	1		20.00		21.40
100	64QAM	1	1		20.01		21.40
100	256QAM	1	1		20.01		21.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.19	20.23	20.15	21.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.14	20.19	20.04	21.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.09	20.09	20.07	21.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.12	20.17	20.06	21.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.18	20.21	20.01	21.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.10	20.13	20.02	21.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.12	20.10	20.04	21.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.15	20.10	20.08	21.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.13	20.21	20.14	21.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.14	20.11	20.13	21.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.11	20.17	20.08	21.40

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_HPUE_Ant 2_DSI 7】

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	20.36	20.39	20.38	21.40
100	PI/2 BPSK	1	137	20.23	20.38	20.27	21.40
100	PI/2 BPSK	1	271	20.30	20.37	20.32	21.40
100	PI/2 BPSK	135	0	20.17	20.33	20.30	21.40
100	PI/2 BPSK	135	69	20.35	20.37	20.32	21.40
100	PI/2 BPSK	135	138	20.13	20.19	20.05	21.40
100	PI/2 BPSK	270	0	20.28	20.35	20.21	21.40
100	QPSK	1	1	20.17	20.34	20.23	21.40
100	QPSK	1	137	20.18	20.28	20.15	21.40
100	QPSK	1	271	20.16	20.22	20.12	21.40



100	QPSK	135	0	20.25	20.37	20.28	21.40
100	QPSK	135	69	20.20	20.28	20.18	21.40
100	QPSK	135	138	20.15	20.27	20.19	21.40
100	QPSK	270	0	20.20	20.32	20.20	21.40
100	16QAM	1	1	20.12	20.24	20.09	21.40
100	64QAM	1	1	20.08	20.19	20.15	21.40
100	256QAM	1	1	20.04	20.19	20.07	21.40
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	20.25	20.28	20.34	21.40
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	20.23	20.35	20.33	21.40
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	20.33	20.24	20.27	21.40
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	20.30	20.27	20.31	21.40
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	20.29	20.37	20.23	21.40
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	20.25	20.33	20.36	21.40
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	20.26	20.32	20.36	21.40
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	20.26	20.32	20.24	21.40
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	20.24	20.28	20.26	21.40
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	20.21	20.27	20.25	21.40
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	20.23	20.28	20.24	21.40

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 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		25.63		27.00
100	PI/2 BPSK	1	137		25.36		27.00
100	PI/2 BPSK	1	271		25.58		27.00
100	PI/2 BPSK	135	0		25.55		26.50
100	PI/2 BPSK	135	69		25.60		27.00
100	PI/2 BPSK	135	138		25.47		26.50
100	PI/2 BPSK	270	0		25.58		26.50
100	QPSK	1	1		25.58		27.00
100	QPSK	1	137		25.42		27.00
100	QPSK	1	271		25.49		27.00
100	QPSK	135	0		25.36		26.00
100	QPSK	135	69		25.38		27.00
100	QPSK	135	138		25.32		26.00
100	QPSK	270	0		25.34		26.00
100	16QAM	1	1		25.58		26.00
100	64QAM	1	1		24.47		24.50
100	256QAM	1	1		22.36		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.51	25.58	25.50	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.41	25.47	25.41	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.48	25.54	25.38	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



FCC SAR Test Report

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60	PI/2 BPSK	1	1	25.46	25.51	25.40	27.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.38	25.54	25.40	27.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.49	25.48	25.35	27.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.48	25.48	25.36	27.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.41	25.48	25.36	27.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.42	25.50	25.39	27.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.41	25.55	25.36	27.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.46	25.43	25.48	27.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 2_DSI 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 (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.76	25.86	25.83	27.00
100	PI/2 BPSK	1	137	25.29	25.53	25.43	27.00
100	PI/2 BPSK	1	271	25.40	25.59	25.47	27.00
100	PI/2 BPSK	135	0	25.44	25.64	25.49	26.50
100	PI/2 BPSK	135	69	25.72	25.81	25.77	27.00
100	PI/2 BPSK	135	138	25.41	25.53	25.46	26.50
100	PI/2 BPSK	270	0	25.54	25.79	25.67	26.50
100	QPSK	1	1	25.62	25.78	25.64	27.00
100	QPSK	1	137	25.37	25.49	25.37	27.00
100	QPSK	1	271	25.28	25.52	25.35	27.00
100	QPSK	135	0	25.43	25.65	25.48	26.00
100	QPSK	135	69	25.27	25.42	25.26	27.00
100	QPSK	135	138	25.37	25.51	25.38	26.00
100	QPSK	270	0	25.34	25.51	25.36	26.00
100	16QAM	1	1	25.48	25.67	25.58	26.00
100	64QAM	1	1	24.75	24.91	24.74	26.00
100	256QAM	1	1	22.58	22.79	22.75	24.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.63	25.72	25.81	27.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.62	25.75	25.82	27.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.63	25.84	25.74	27.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.71	25.79	25.75	27.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.65	25.81	25.72	27.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.62	25.71	25.73	27.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.62	25.82	25.77	27.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	25.75	25.81	25.68	27.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.74	25.79	25.82	27.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	



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15	PI/2 BPSK	1	1	25.73	25.73	25.75	27.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.65	25.80	25.72	27.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_Full Power】

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		23.23		24.00
100	PI/2 BPSK	1	137		22.76		24.00
100	PI/2 BPSK	1	271		23.00		24.00
100	PI/2 BPSK	135	0		23.01		24.00
100	PI/2 BPSK	135	69		23.20		24.00
100	PI/2 BPSK	135	138		22.82		24.00
100	PI/2 BPSK	270	0		23.16		24.00
100	QPSK	1	1		23.20		24.00
100	QPSK	1	137		22.80		24.00
100	QPSK	1	271		22.99		24.00
100	QPSK	135	0		23.01		24.00
100	QPSK	135	69		22.82		24.00
100	QPSK	135	138		22.84		24.00
100	QPSK	270	0		22.88		24.00
100	16QAM	1	1		23.11		24.00
100	64QAM	1	1		23.14		24.00
100	256QAM	1	1		23.12		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.17	23.20	23.18	24.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.08	23.09	23.13	24.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.07	23.07	23.11	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.11	23.18	23.04	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.12	23.08	23.04	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.10	23.11	23.16	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.14	23.07	23.05	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.11	23.11	23.05	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.11	23.06	23.04	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.09	23.06	23.06	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.12	23.18	23.06	24.00

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.43	23.52	23.50	24.00
100	PI/2 BPSK	1	137	23.12	23.34	23.22	24.00
100	PI/2 BPSK	1	271	23.31	23.42	23.35	24.00



100	PI/2 BPSK	135	0	23.25	23.40	23.30	24.00
100	PI/2 BPSK	135	69	23.41	23.48	23.39	24.00
100	PI/2 BPSK	135	138	23.20	23.37	23.20	24.00
100	PI/2 BPSK	270	0	23.23	23.41	23.34	24.00
100	QPSK	1	1	23.28	23.43	23.32	24.00
100	QPSK	1	137	23.13	23.31	23.19	24.00
100	QPSK	1	271	23.28	23.42	23.38	24.00
100	QPSK	135	0	23.19	23.37	23.34	24.00
100	QPSK	135	69	23.11	23.27	23.14	24.00
100	QPSK	135	138	23.19	23.31	23.19	24.00
100	QPSK	270	0	23.16	23.32	23.18	24.00
100	16QAM	1	1	23.29	23.44	23.27	24.00
100	64QAM	1	1	23.33	23.45	23.30	24.00
100	256QAM	1	1	23.11	23.32	23.28	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.34	23.48	23.46	24.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.32	23.46	23.38	24.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.31	23.48	23.39	24.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	23.41	23.50	23.46	24.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	23.31	23.43	23.39	24.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	23.38	23.42	23.42	24.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	23.33	23.37	23.43	24.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	23.41	23.51	23.41	24.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	23.30	23.41	23.48	24.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.32	23.45	23.45	24.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.40	23.40	23.36	24.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_Full Power】

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		26.23		27.00
100	PI/2 BPSK	1	137		25.77		27.00
100	PI/2 BPSK	1	271		25.97		27.00
100	PI/2 BPSK	135	0		25.96		27.00
100	PI/2 BPSK	135	69		26.20		27.00
100	PI/2 BPSK	135	138		25.84		27.00
100	PI/2 BPSK	270	0		26.18		27.00
100	QPSK	1	1		26.19		27.00
100	QPSK	1	137		25.79		27.00
100	QPSK	1	271		25.91		27.00
100	QPSK	135	0		26.01		27.00
100	QPSK	135	69		25.82		27.00
100	QPSK	135	138		25.81		27.00
100	QPSK	270	0		25.89		27.00
100	16QAM	1	1		26.14		27.00
100	64QAM	1	1		25.46		26.00
100	256QAM	1	1		22.84		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.17	26.19	26.15	27.00
Channel				632668	633332	634000	Tune-up limit



Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.14	26.12	26.06	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.08	26.13	26.03	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	26.04	26.11	26.13	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.10	26.07	26.10	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	26.04	26.11	26.05	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.15	26.09	26.04	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.06	26.07	26.08	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	26.13	26.13	26.10	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	26.07	26.07	26.00	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.12	26.18	26.04	27.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 4_Full Power】

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	26.39	26.44	26.43	27.00
100	PI/2 BPSK	1	137	26.18	26.36	26.32	27.00
100	PI/2 BPSK	1	271	26.31	26.42	26.30	27.00
100	PI/2 BPSK	135	0	26.16	26.31	26.18	27.00
100	PI/2 BPSK	135	69	26.31	26.38	26.33	27.00
100	PI/2 BPSK	135	138	26.13	26.31	26.25	27.00
100	PI/2 BPSK	270	0	26.17	26.35	26.21	27.00
100	QPSK	1	1	26.20	26.32	26.26	27.00
100	QPSK	1	137	26.21	26.30	26.23	27.00
100	QPSK	1	271	26.37	26.46	26.32	27.00
100	QPSK	135	0	26.31	26.39	26.33	27.00
100	QPSK	135	69	26.21	26.27	26.19	27.00
100	QPSK	135	138	26.21	26.30	26.19	27.00
100	QPSK	270	0	26.25	26.33	26.25	27.00
100	16QAM	1	1	26.15	26.28	26.25	27.00
100	64QAM	1	1	25.46	25.58	25.45	26.00
100	256QAM	1	1	23.48	23.60	23.45	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	26.27	26.30	26.40	27.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	26.34	26.41	26.38	27.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	26.30	26.29	26.36	27.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	26.28	26.43	26.36	27.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	26.35	26.36	26.37	27.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	26.36	26.40	26.41	27.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	26.26	26.29	26.42	27.00
Channel				647500	656000	664500	Tune-up limit



	Frequency (MHz)			3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	26.25	26.34	26.30	27.00
	Channel			647334	656000	664666	Tune-up limit
	Frequency (MHz)			3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	26.35	26.30	26.28	27.00
	Channel			647168	656000	664832	Tune-up limit
	Frequency (MHz)			3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	26.30	26.38	26.36	27.00
	Channel			647000	656000	665000	Tune-up limit
	Frequency (MHz)			3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	26.26	26.40	26.42	27.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 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		23.23		24.00
100	PI/2 BPSK	1	137		22.76		24.00
100	PI/2 BPSK	1	271		23.00		24.00
100	PI/2 BPSK	135	0		23.01		24.00
100	PI/2 BPSK	135	69		23.20		24.00
100	PI/2 BPSK	135	138		22.82		24.00
100	PI/2 BPSK	270	0		23.16		24.00
100	QPSK	1	1		23.20		24.00
100	QPSK	1	137		22.80		24.00
100	QPSK	1	271		22.99		24.00
100	QPSK	135	0		23.01		24.00
100	QPSK	135	69		22.82		24.00
100	QPSK	135	138		22.84		24.00
100	QPSK	270	0		22.88		24.00
100	16QAM	1	1		23.11		24.00
100	64QAM	1	1		23.14		24.00
100	256QAM	1	1		23.12		24.00
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.17	23.20	23.18	24.00
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.08	23.09	23.13	24.00
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.07	23.07	23.11	24.00
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.11	23.18	23.04	24.00
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.12	23.08	23.04	24.00
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.10	23.11	23.16	24.00
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.14	23.07	23.05	24.00
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.11	23.11	23.05	24.00
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.11	23.06	23.04	24.00
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.09	23.06	23.06	24.00
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.12	23.18	23.06	24.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 4_DSI 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	23.43	23.52	23.50	24.00
100	PI/2 BPSK	1	137	23.12	23.34	23.22	24.00
100	PI/2 BPSK	1	271	23.31	23.42	23.35	24.00
100	PI/2 BPSK	135	0	23.25	23.40	23.30	24.00
100	PI/2 BPSK	135	69	23.41	23.48	23.39	24.00
100	PI/2 BPSK	135	138	23.20	23.37	23.20	24.00
100	PI/2 BPSK	270	0	23.23	23.41	23.34	24.00
100	QPSK	1	1	23.28	23.43	23.32	24.00
100	QPSK	1	137	23.13	23.31	23.19	24.00
100	QPSK	1	271	23.28	23.42	23.38	24.00
100	QPSK	135	0	23.19	23.37	23.34	24.00
100	QPSK	135	69	23.11	23.27	23.14	24.00
100	QPSK	135	138	23.19	23.31	23.19	24.00
100	QPSK	270	0	23.16	23.32	23.18	24.00
100	16QAM	1	1	23.29	23.44	23.27	24.00
100	64QAM	1	1	23.33	23.45	23.30	24.00
100	256QAM	1	1	23.11	23.32	23.28	24.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.34	23.48	23.46	24.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.32	23.46	23.38	24.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.31	23.48	23.39	24.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.41	23.50	23.46	24.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.31	23.43	23.39	24.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.38	23.42	23.42	24.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.33	23.37	23.43	24.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.41	23.51	23.41	24.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.30	23.41	23.48	24.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.32	23.45	23.45	24.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.40	23.40	23.36	24.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 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		19.15		20.20
100	PI/2 BPSK	1	137		19.12		20.20
100	PI/2 BPSK	1	271		19.08		20.20
100	PI/2 BPSK	135	0		19.05		20.20
100	PI/2 BPSK	135	69		19.12		20.20
100	PI/2 BPSK	135	138		18.95		20.20
100	PI/2 BPSK	270	0		19.00		20.20
100	QPSK	1	1		18.92		20.20
100	QPSK	1	137		19.14		20.20
100	QPSK	1	271		18.95		20.20



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100	QPSK	135	0		19.07		20.20
100	QPSK	135	69		19.14		20.20
100	QPSK	135	138		19.11		20.20
100	QPSK	270	0		19.01		20.20
100	16QAM	1	1		19.02		20.20
100	64QAM	1	1		19.00		20.20
100	256QAM	1	1		18.94		20.20
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	19.11	18.92	18.99	20.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.98	18.78	18.90	20.20
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	19.06	18.86	18.85	20.20
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	19.10	18.89	18.92	20.20
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	19.02	18.83	18.89	20.20
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	19.06	18.80	18.96	20.20
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	19.04	18.82	18.95	20.20
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.96	18.89	18.91	20.20
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	19.07	18.81	18.86	20.20
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	19.02	18.80	18.86	20.20
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	19.09	18.80	18.89	20.20

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 4_DSI 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	19.42	19.48	19.46	20.20
100	PI/2 BPSK	1	137	19.20	19.32	19.19	20.20
100	PI/2 BPSK	1	271	19.05	19.23	19.16	20.20
100	PI/2 BPSK	135	0	19.23	19.31	19.27	20.20
100	PI/2 BPSK	135	69	19.38	19.42	19.40	20.20
100	PI/2 BPSK	135	138	19.23	19.37	19.21	20.20
100	PI/2 BPSK	270	0	19.25	19.35	19.31	20.20
100	QPSK	1	1	19.30	19.39	19.27	20.20
100	QPSK	1	137	19.20	19.29	19.16	20.20
100	QPSK	1	271	19.21	19.40	19.31	20.20
100	QPSK	135	0	19.21	19.38	19.34	20.20
100	QPSK	135	69	19.09	19.22	19.16	20.20
100	QPSK	135	138	19.23	19.38	19.32	20.20
100	QPSK	270	0	19.11	19.19	19.09	20.20
100	16QAM	1	1	19.23	19.40	19.31	20.20
100	64QAM	1	1	19.20	19.30	19.14	20.20
100	256QAM	1	1	19.21	19.37	19.30	20.20
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	19.27	19.42	19.34	20.20
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	19.35	19.47	19.38	20.20
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	19.41	19.41	19.33	20.20
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)



60	PI/2 BPSK	1	1	19.39	19.35	19.41	20.20
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	19.35	19.36	19.44	20.20
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	19.37	19.41	19.38	20.20
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	19.40	19.43	19.34	20.20
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	19.35	19.42	19.39	20.20
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	19.41	19.47	19.35	20.20
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	19.31	19.43	19.33	20.20
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	19.29	19.39	19.37	20.20

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 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		21.16		22.30
100	PI/2 BPSK	1	137		21.04		22.30
100	PI/2 BPSK	1	271		20.96		22.30
100	PI/2 BPSK	135	0		21.10		22.30
100	PI/2 BPSK	135	69		21.14		22.30
100	PI/2 BPSK	135	138		20.94		22.30
100	PI/2 BPSK	270	0		21.12		22.30
100	QPSK	1	1		20.96		22.30
100	QPSK	1	137		21.12		22.30
100	QPSK	1	271		21.02		22.30
100	QPSK	135	0		21.03		22.30
100	QPSK	135	69		21.15		22.30
100	QPSK	135	138		20.98		22.30
100	QPSK	270	0		20.94		22.30
100	16QAM	1	1		21.06		22.30
100	64QAM	1	1		20.91		22.30
100	256QAM	1	1		21.13		22.30
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.08	21.10	21.06	22.30
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.93	20.96	20.91	22.30
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.96	21.04	21.05	22.30
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	21.04	21.07	20.95	22.30
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.98	20.95	21.04	22.30
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.00	20.96	20.99	22.30
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.04	21.07	20.93	22.30
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	21.03	21.08	21.03	22.30
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	21.04	20.98	21.04	22.30
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)



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15	PI/2 BPSK	1	1	20.99	20.96	21.01	22.30
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.97	20.98	21.01	22.30

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 4_DSI 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	21.40	21.43	21.36	22.30
100	PI/2 BPSK	1	137	21.31	21.36	21.25	22.30
100	PI/2 BPSK	1	271	21.11	21.25	21.04	22.30
100	PI/2 BPSK	135	0	21.25	21.36	21.23	22.30
100	PI/2 BPSK	135	69	21.38	21.41	21.35	22.30
100	PI/2 BPSK	135	138	21.16	21.24	21.05	22.30
100	PI/2 BPSK	270	0	21.28	21.35	21.18	22.30
100	QPSK	1	1	21.12	21.22	21.12	22.30
100	QPSK	1	137	21.14	21.27	21.07	22.30
100	QPSK	1	271	21.26	21.30	21.14	22.30
100	QPSK	135	0	21.25	21.32	21.16	22.30
100	QPSK	135	69	21.12	21.28	21.19	22.30
100	QPSK	135	138	21.08	21.19	21.09	22.30
100	QPSK	270	0	21.21	21.30	21.11	22.30
100	16QAM	1	1	21.27	21.36	21.14	22.30
100	64QAM	1	1	21.30	21.42	21.29	22.30
100	256QAM	1	1	21.15	21.30	21.20	22.30
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.30	21.28	21.27	22.30
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.27	21.28	21.29	22.30
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.28	21.37	21.33	22.30
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.29	21.33	21.28	22.30
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.25	21.33	21.27	22.30
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.37	21.30	21.22	22.30
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.33	21.37	21.23	22.30
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	21.34	21.32	21.29	22.30
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.34	21.36	21.34	22.30
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.38	21.40	21.23	22.30
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.30	21.39	21.23	22.30



【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.87		12.80
100	PI/2 BPSK	1	137		11.72		12.80
100	PI/2 BPSK	1	271		11.79		12.80
100	PI/2 BPSK	135	0		11.77		12.80
100	PI/2 BPSK	135	69		11.81		12.80
100	PI/2 BPSK	135	138		11.76		12.80
100	PI/2 BPSK	270	0		11.73		12.80
100	QPSK	1	1		11.69		12.80
100	QPSK	1	137		11.70		12.80
100	QPSK	1	271		11.77		12.80
100	QPSK	135	0		11.71		12.80
100	QPSK	135	69		11.68		12.80
100	QPSK	135	138		11.69		12.80
100	QPSK	270	0		11.76		12.80
100	16QAM	1	1		11.69		12.80
100	64QAM	1	1		11.72		12.80
100	256QAM	1	1		11.72		12.80
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	11.75	11.73	11.72	12.80
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	11.60	11.59	11.58	12.80
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	11.68	11.71	11.60	12.80
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	11.67	11.62	11.69	12.80
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	11.66	11.65	11.69	12.80
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	11.63	11.62	11.67	12.80
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	11.64	11.65	11.57	12.80
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	11.68	11.67	11.62	12.80
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	11.73	11.60	11.64	12.80
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	11.68	11.66	11.63	12.80
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	11.71	11.70	11.63	12.80

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_Ant 4_DSI 12】

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	11.89	11.90	11.86	12.80
100	PI/2 BPSK	1	137	11.74	11.83	11.79	12.80
100	PI/2 BPSK	1	271	11.85	11.82	11.81	12.80
100	PI/2 BPSK	135	0	11.85	11.75	11.74	12.80
100	PI/2 BPSK	135	69	11.77	11.88	11.74	12.80
100	PI/2 BPSK	135	138	11.76	11.86	11.73	12.80
100	PI/2 BPSK	270	0	11.80	11.78	11.77	12.80
100	QPSK	1	1	11.80	11.76	11.80	12.80
100	QPSK	1	137	11.80	11.80	11.75	12.80
100	QPSK	1	271	11.77	11.82	11.74	12.80



100	QPSK	135	0	11.84	11.82	11.72	12.80
100	QPSK	135	69	11.76	11.81	11.80	12.80
100	QPSK	135	138	11.75	11.82	11.79	12.80
100	QPSK	270	0	11.78	11.83	11.77	12.80
100	16QAM	1	1	11.85	11.78	11.75	12.80
100	64QAM	1	1	11.80	11.78	11.80	12.80
100	256QAM	1	1	11.82	11.80	11.75	12.80
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	11.85	11.76	11.77	12.80
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	11.87	11.84	11.78	12.80
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	11.82	11.86	11.77	12.80
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	11.84	11.76	11.71	12.80
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	11.79	11.88	11.85	12.80
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	11.76	11.84	11.72	12.80
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	11.80	11.88	11.79	12.80
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	11.78	11.80	11.79	12.80
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	11.85	11.79	11.75	12.80
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	11.84	11.78	11.77	12.80
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	11.87	11.84	11.78	12.80

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.15		20.20
100	PI/2 BPSK	1	137		19.12		20.20
100	PI/2 BPSK	1	271		19.08		20.20
100	PI/2 BPSK	135	0		19.05		20.20
100	PI/2 BPSK	135	69		19.12		20.20
100	PI/2 BPSK	135	138		18.95		20.20
100	PI/2 BPSK	270	0		19.00		20.20
100	QPSK	1	1		18.92		20.20
100	QPSK	1	137		19.14		20.20
100	QPSK	1	271		18.95		20.20
100	QPSK	135	0		19.07		20.20
100	QPSK	135	69		19.14		20.20
100	QPSK	135	138		19.11		20.20
100	QPSK	270	0		19.01		20.20
100	16QAM	1	1		19.02		20.20
100	64QAM	1	1		19.00		20.20
100	256QAM	1	1		18.94		20.20
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	19.11	18.92	18.99	20.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.98	18.78	18.90	20.20
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	19.06	18.86	18.85	20.20
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



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60	PI/2 BPSK	1	1	19.10	18.89	18.92	20.20
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.02	18.83	18.89	20.20
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.06	18.80	18.96	20.20
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.04	18.82	18.95	20.20
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.96	18.89	18.91	20.20
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.07	18.81	18.86	20.20
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.02	18.80	18.86	20.20
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.09	18.80	18.89	20.20

【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.42	19.48	19.46	20.20
100	PI/2 BPSK	1	137	19.20	19.32	19.19	20.20
100	PI/2 BPSK	1	271	19.05	19.23	19.16	20.20
100	PI/2 BPSK	135	0	19.23	19.31	19.27	20.20
100	PI/2 BPSK	135	69	19.38	19.42	19.40	20.20
100	PI/2 BPSK	135	138	19.23	19.37	19.21	20.20
100	PI/2 BPSK	270	0	19.25	19.35	19.31	20.20
100	QPSK	1	1	19.30	19.39	19.27	20.20
100	QPSK	1	137	19.20	19.29	19.16	20.20
100	QPSK	1	271	19.21	19.40	19.31	20.20
100	QPSK	135	0	19.21	19.38	19.34	20.20
100	QPSK	135	69	19.09	19.22	19.16	20.20
100	QPSK	135	138	19.23	19.38	19.32	20.20
100	QPSK	270	0	19.11	19.19	19.09	20.20
100	16QAM	1	1	19.23	19.40	19.31	20.20
100	64QAM	1	1	19.20	19.30	19.14	20.20
100	256QAM	1	1	19.21	19.37	19.30	20.20
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.27	19.42	19.34	20.20
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.35	19.47	19.38	20.20
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.41	19.41	19.33	20.20
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.39	19.35	19.41	20.20
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.35	19.36	19.44	20.20
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.37	19.41	19.38	20.20
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	19.40	19.43	19.34	20.20
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	19.35	19.42	19.39	20.20
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.41	19.47	19.35	20.20
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	



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15	PI/2 BPSK	1	1	19.31	19.43	19.33	20.20
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	19.29	19.39	19.37	20.20

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 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		23.23		24.00
100	PI/2 BPSK	1	137		22.76		24.00
100	PI/2 BPSK	1	271		23.00		24.00
100	PI/2 BPSK	135	0		23.01		24.00
100	PI/2 BPSK	135	69		23.20		24.00
100	PI/2 BPSK	135	138		22.82		24.00
100	PI/2 BPSK	270	0		23.16		24.00
100	QPSK	1	1		23.20		24.00
100	QPSK	1	137		22.80		24.00
100	QPSK	1	271		22.99		24.00
100	QPSK	135	0		23.01		24.00
100	QPSK	135	69		22.82		24.00
100	QPSK	135	138		22.84		24.00
100	QPSK	270	0		22.88		24.00
100	16QAM	1	1		23.11		24.00
100	64QAM	1	1		23.14		24.00
100	256QAM	1	1		23.12		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.17	23.20	23.18	24.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.08	23.09	23.13	24.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.07	23.07	23.11	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.11	23.18	23.04	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.12	23.08	23.04	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.10	23.11	23.16	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.14	23.07	23.05	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.11	23.11	23.05	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.11	23.06	23.04	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.09	23.06	23.06	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.12	23.18	23.06	24.00

**【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 4_DSI 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 (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.43	23.52	23.50	24.00
100	PI/2 BPSK	1	137	23.12	23.34	23.22	24.00
100	PI/2 BPSK	1	271	23.31	23.42	23.35	24.00
100	PI/2 BPSK	135	0	23.25	23.40	23.30	24.00
100	PI/2 BPSK	135	69	23.41	23.48	23.39	24.00
100	PI/2 BPSK	135	138	23.20	23.37	23.20	24.00
100	PI/2 BPSK	270	0	23.23	23.41	23.34	24.00
100	QPSK	1	1	23.28	23.43	23.32	24.00
100	QPSK	1	137	23.13	23.31	23.19	24.00
100	QPSK	1	271	23.28	23.42	23.38	24.00
100	QPSK	135	0	23.19	23.37	23.34	24.00
100	QPSK	135	69	23.11	23.27	23.14	24.00
100	QPSK	135	138	23.19	23.31	23.19	24.00
100	QPSK	270	0	23.16	23.32	23.18	24.00
100	16QAM	1	1	23.29	23.44	23.27	24.00
100	64QAM	1	1	23.33	23.45	23.30	24.00
100	256QAM	1	1	23.11	23.32	23.28	24.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.34	23.48	23.46	24.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.32	23.46	23.38	24.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.31	23.48	23.39	24.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.41	23.50	23.46	24.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.31	23.43	23.39	24.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.38	23.42	23.42	24.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.33	23.37	23.43	24.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.41	23.51	23.41	24.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.30	23.41	23.48	24.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.32	23.45	23.45	24.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.40	23.40	23.36	24.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_DSI 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		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.23		27.00
100	PI/2 BPSK	1	137		25.77		27.00
100	PI/2 BPSK	1	271		25.97		27.00
100	PI/2 BPSK	135	0		25.96		27.00
100	PI/2 BPSK	135	69		26.20		27.00
100	PI/2 BPSK	135	138		25.84		27.00
100	PI/2 BPSK	270	0		26.18		27.00
100	QPSK	1	1		26.19		27.00
100	QPSK	1	137		25.79		27.00
100	QPSK	1	271		25.91		27.00



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100	QPSK	135	0		26.01		27.00
100	QPSK	135	69		25.82		27.00
100	QPSK	135	138		25.81		27.00
100	QPSK	270	0		25.89		27.00
100	16QAM	1	1		26.14		27.00
100	64QAM	1	1		25.46		26.00
100	256QAM	1	1		22.84		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.17	26.19	26.15	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.14	26.12	26.06	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.08	26.13	26.03	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	26.04	26.11	26.13	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.10	26.07	26.10	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	26.04	26.11	26.05	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.15	26.09	26.04	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.06	26.07	26.08	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	26.13	26.13	26.10	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	26.07	26.07	26.00	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.12	26.18	26.04	27.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 4_DSI 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	26.39	26.44	26.43	27.00
100	PI/2 BPSK	1	137	26.18	26.36	26.32	27.00
100	PI/2 BPSK	1	271	26.31	26.42	26.30	27.00
100	PI/2 BPSK	135	0	26.16	26.31	26.18	27.00
100	PI/2 BPSK	135	69	26.31	26.38	26.33	27.00
100	PI/2 BPSK	135	138	26.13	26.31	26.25	27.00
100	PI/2 BPSK	270	0	26.17	26.35	26.21	27.00
100	QPSK	1	1	26.20	26.32	26.26	27.00
100	QPSK	1	137	26.21	26.30	26.23	27.00
100	QPSK	1	271	26.37	26.46	26.32	27.00
100	QPSK	135	0	26.31	26.39	26.33	27.00
100	QPSK	135	69	26.21	26.27	26.19	27.00
100	QPSK	135	138	26.21	26.30	26.19	27.00
100	QPSK	270	0	26.25	26.33	26.25	27.00
100	16QAM	1	1	26.15	26.28	26.25	27.00
100	64QAM	1	1	25.46	25.58	25.45	26.00
100	256QAM	1	1	23.48	23.60	23.45	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	26.27	26.30	26.40	27.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	26.34	26.41	26.38	27.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	26.30	26.29	26.36	27.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)



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60	PI/2 BPSK	1	1	26.28	26.43	26.36	27.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	26.35	26.36	26.37	27.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	26.36	26.40	26.41	27.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	26.26	26.29	26.42	27.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	26.25	26.34	26.30	27.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	26.35	26.30	26.28	27.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	26.30	26.38	26.36	27.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	26.26	26.40	26.42	27.00

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_DSI 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		22.14		23.20
100	PI/2 BPSK	1	137		22.11		23.20
100	PI/2 BPSK	1	271		22.08		23.20
100	PI/2 BPSK	135	0		21.98		23.20
100	PI/2 BPSK	135	69		22.12		23.20
100	PI/2 BPSK	135	138		21.92		23.20
100	PI/2 BPSK	270	0		22.07		23.20
100	QPSK	1	1		21.99		23.20
100	QPSK	1	137		21.93		23.20
100	QPSK	1	271		22.10		23.20
100	QPSK	135	0		22.04		23.20
100	QPSK	135	69		22.02		23.20
100	QPSK	135	138		22.07		23.20
100	QPSK	270	0		22.13		23.20
100	16QAM	1	1		21.96		23.20
100	64QAM	1	1		22.09		23.20
100	256QAM	1	1		22.05		23.20
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	22.05	22.07	22.01	23.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	22.00	21.99	21.88	23.20
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.96	21.95	21.99	23.20
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	22.01	21.97	21.86	23.20
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.97	21.96	21.87	23.20
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.98	22.00	21.95	23.20
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.97	21.93	21.87	23.20
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	21.94	21.93	21.90	23.20
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	22.00	21.93	21.86	23.20
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)



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15	PI/2 BPSK	1	1	21.92	22.05	21.89	23.20
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.92	22.03	21.91	23.20

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 4_DSI 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	22.31	22.34	22.29	23.20
100	PI/2 BPSK	1	137	22.09	22.25	22.16	23.20
100	PI/2 BPSK	1	271	21.97	22.10	21.91	23.20
100	PI/2 BPSK	135	0	22.16	22.22	22.13	23.20
100	PI/2 BPSK	135	69	22.26	22.31	22.25	23.20
100	PI/2 BPSK	135	138	22.03	22.20	22.13	23.20
100	PI/2 BPSK	270	0	22.19	22.26	22.13	23.20
100	QPSK	1	1	22.04	22.20	22.00	23.20
100	QPSK	1	137	22.24	22.31	22.24	23.20
100	QPSK	1	271	22.06	22.23	22.04	23.20
100	QPSK	135	0	22.07	22.20	22.12	23.20
100	QPSK	135	69	22.01	22.19	22.00	23.20
100	QPSK	135	138	22.11	22.17	22.05	23.20
100	QPSK	270	0	22.19	22.24	22.13	23.20
100	16QAM	1	1	22.12	22.24	22.07	23.20
100	64QAM	1	1	22.00	22.16	22.07	23.20
100	256QAM	1	1	22.08	22.19	22.06	23.20
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	22.28	22.20	22.22	23.20
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	22.22	22.27	22.23	23.20
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	22.20	22.21	22.28	23.20
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	22.21	22.25	22.25	23.20
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	22.25	22.30	22.15	23.20
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	22.23	22.21	22.17	23.20
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	22.28	22.26	22.19	23.20
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	22.22	22.24	22.22	23.20
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	22.27	22.22	22.26	23.20
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	22.24	22.26	22.27	23.20
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	22.19	22.22	22.16	23.20

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_DSI 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		24.15		25.30
100	PI/2 BPSK	1	137		23.92		25.30
100	PI/2 BPSK	1	271		24.07		25.30
100	PI/2 BPSK	135	0		24.01		25.30
100	PI/2 BPSK	135	69		24.13		25.30
100	PI/2 BPSK	135	138		24.07		25.30
100	PI/2 BPSK	270	0		24.09		25.30
100	QPSK	1	1		24.12		25.30
100	QPSK	1	137		24.14		25.30
100	QPSK	1	271		23.93		25.30
100	QPSK	135	0		24.04		25.30
100	QPSK	135	69		24.04		25.30
100	QPSK	135	138		23.94		25.30
100	QPSK	270	0		24.14		25.30
100	16QAM	1	1		24.04		25.30
100	64QAM	1	1		23.97		25.30
100	256QAM	1	1		22.84		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.10	24.07	24.06	25.30
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	24.00	23.95	24.04	25.30
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.07	24.05	23.92	25.30
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.08	23.94	23.98	25.30
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.97	24.01	23.97	25.30
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	24.02	23.97	23.95	25.30
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.97	24.04	23.94	25.30
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.98	23.92	24.04	25.30
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	24.07	23.96	23.93	25.30
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.98	24.05	23.98	25.30
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.01	23.93	23.91	25.30

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_HPUE_Ant 4_DSI 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	24.31	24.34	24.26	25.30
100	PI/2 BPSK	1	137	24.23	24.32	24.14	25.30
100	PI/2 BPSK	1	271	24.12	24.27	24.06	25.30
100	PI/2 BPSK	135	0	24.10	24.20	24.01	25.30
100	PI/2 BPSK	135	69	24.30	24.32	24.25	25.30
100	PI/2 BPSK	135	138	24.08	24.22	24.02	25.30
100	PI/2 BPSK	270	0	24.20	24.26	24.08	25.30
100	QPSK	1	1	24.17	24.26	24.07	25.30
100	QPSK	1	137	23.96	24.10	24.01	25.30
100	QPSK	1	271	23.97	24.13	23.96	25.30



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100	QPSK	135	0	24.26	24.33	24.16	25.30
100	QPSK	135	69	24.06	24.14	23.91	25.30
100	QPSK	135	138	24.15	24.23	24.11	25.30
100	QPSK	270	0	24.20	24.30	24.11	25.30
100	16QAM	1	1	24.19	24.28	24.08	25.30
100	64QAM	1	1	24.17	24.28	24.05	25.30
100	256QAM	1	1	23.48	23.60	23.45	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	24.20	24.27	24.13	25.30
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	24.28	24.23	24.25	25.30
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	24.20	24.26	24.18	25.30
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	24.24	24.23	24.14	25.30
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	24.20	24.23	24.15	25.30
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	24.20	24.26	24.19	25.30
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	24.30	24.28	24.13	25.30
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	24.23	24.19	24.12	25.30
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	24.20	24.26	24.22	25.30
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	24.30	24.32	24.23	25.30
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	24.29	24.29	24.14	25.30

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_DSI 12】

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		14.85		15.80
100	PI/2 BPSK	1	137		14.73		15.80
100	PI/2 BPSK	1	271		14.72		15.80
100	PI/2 BPSK	135	0		14.80		15.80
100	PI/2 BPSK	135	69		14.84		15.80
100	PI/2 BPSK	135	138		14.72		15.80
100	PI/2 BPSK	270	0		14.76		15.80
100	QPSK	1	1		14.74		15.80
100	QPSK	1	137		14.77		15.80
100	QPSK	1	271		14.76		15.80
100	QPSK	135	0		14.81		15.80
100	QPSK	135	69		14.82		15.80
100	QPSK	135	138		14.79		15.80
100	QPSK	270	0		14.82		15.80
100	16QAM	1	1		14.83		15.80
100	64QAM	1	1		14.79		15.80
100	256QAM	1	1		14.77		15.80
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.82	14.81	14.83	15.80
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.68	14.70	14.69	15.80
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.73	14.79	14.76	15.80
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



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60	PI/2 BPSK	1	1	14.73	14.72	14.76	15.80
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.68	14.74	14.71	15.80
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.73	14.67	14.75	15.80
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.80	14.68	14.77	15.80
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	14.71	14.76	14.77	15.80
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.78	14.75	14.77	15.80
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.81	14.69	14.79	15.80
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.78	14.67	14.72	15.80

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Ant 4_DSI 12】

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	14.95	14.96	14.93	15.80
100	PI/2 BPSK	1	137	14.81	14.87	14.87	15.80
100	PI/2 BPSK	1	271	14.84	14.85	14.80	15.80
100	PI/2 BPSK	135	0	14.82	14.84	14.86	15.80
100	PI/2 BPSK	135	69	14.86	14.95	14.81	15.80
100	PI/2 BPSK	135	138	14.87	14.91	14.84	15.80
100	PI/2 BPSK	270	0	14.83	14.84	14.83	15.80
100	QPSK	1	1	14.90	14.89	14.81	15.80
100	QPSK	1	137	14.86	14.89	14.81	15.80
100	QPSK	1	271	14.91	14.82	14.90	15.80
100	QPSK	135	0	14.81	14.81	14.79	15.80
100	QPSK	135	69	14.86	14.90	14.85	15.80
100	QPSK	135	138	14.82	14.87	14.90	15.80
100	QPSK	270	0	14.88	14.90	14.85	15.80
100	16QAM	1	1	14.80	14.84	14.80	15.80
100	64QAM	1	1	14.91	14.86	14.85	15.80
100	256QAM	1	1	14.83	14.91	14.85	15.80
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	14.87	14.94	14.81	15.80
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	14.91	14.84	14.86	15.80
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	14.94	14.84	14.82	15.80
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	14.85	14.89	14.85	15.80
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	14.88	14.89	14.78	15.80
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	14.87	14.91	14.89	15.80
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	14.92	14.88	14.88	15.80
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	14.86	14.90	14.80	15.80
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	14.93	14.91	14.83	15.80
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)



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15	PI/2 BPSK	1	1	14.80	14.82	14.91	15.80
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	14.94	14.91	14.81	15.80

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.14		23.20
100	PI/2 BPSK	1	137		22.11		23.20
100	PI/2 BPSK	1	271		22.08		23.20
100	PI/2 BPSK	135	0		21.98		23.20
100	PI/2 BPSK	135	69		22.12		23.20
100	PI/2 BPSK	135	138		21.92		23.20
100	PI/2 BPSK	270	0		22.07		23.20
100	QPSK	1	1		21.99		23.20
100	QPSK	1	137		21.93		23.20
100	QPSK	1	271		22.10		23.20
100	QPSK	135	0		22.04		23.20
100	QPSK	135	69		22.02		23.20
100	QPSK	135	138		22.07		23.20
100	QPSK	270	0		22.13		23.20
100	16QAM	1	1		21.96		23.20
100	64QAM	1	1		22.09		23.20
100	256QAM	1	1		22.05		23.20
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	22.05	22.07	22.01	23.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	22.00	21.99	21.88	23.20
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.96	21.95	21.99	23.20
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	22.01	21.97	21.86	23.20
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.97	21.96	21.87	23.20
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.98	22.00	21.95	23.20
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.97	21.93	21.87	23.20
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	21.94	21.93	21.90	23.20
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	22.00	21.93	21.86	23.20
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	21.92	22.05	21.89	23.20
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.92	22.03	21.91	23.20

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.31	22.34	22.29	23.20
100	PI/2 BPSK	1	137	22.09	22.25	22.16	23.20
100	PI/2 BPSK	1	271	21.97	22.10	21.91	23.20
100	PI/2 BPSK	135	0	22.16	22.22	22.13	23.20
100	PI/2 BPSK	135	69	22.26	22.31	22.25	23.20
100	PI/2 BPSK	135	138	22.03	22.20	22.13	23.20
100	PI/2 BPSK	270	0	22.19	22.26	22.13	23.20
100	QPSK	1	1	22.04	22.20	22.00	23.20
100	QPSK	1	137	22.24	22.31	22.24	23.20
100	QPSK	1	271	22.06	22.23	22.04	23.20
100	QPSK	135	0	22.07	22.20	22.12	23.20
100	QPSK	135	69	22.01	22.19	22.00	23.20
100	QPSK	135	138	22.11	22.17	22.05	23.20
100	QPSK	270	0	22.19	22.24	22.13	23.20
100	16QAM	1	1	22.12	22.24	22.07	23.20
100	64QAM	1	1	22.00	22.16	22.07	23.20
100	256QAM	1	1	22.08	22.19	22.06	23.20
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.28	22.20	22.22	23.20
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.22	22.27	22.23	23.20
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.20	22.21	22.28	23.20
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.21	22.25	22.25	23.20
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.25	22.30	22.15	23.20
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.23	22.21	22.17	23.20
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	22.28	22.26	22.19	23.20
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	22.22	22.24	22.22	23.20
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.27	22.22	22.26	23.20
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.24	22.26	22.27	23.20
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.19	22.22	22.16	23.20

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_DSI 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		26.23		27.00
100	PI/2 BPSK	1	137		25.77		27.00
100	PI/2 BPSK	1	271		25.97		27.00
100	PI/2 BPSK	135	0		25.96		27.00
100	PI/2 BPSK	135	69		26.20		27.00
100	PI/2 BPSK	135	138		25.84		27.00
100	PI/2 BPSK	270	0		26.18		27.00
100	QPSK	1	1		26.19		27.00
100	QPSK	1	137		25.79		27.00
100	QPSK	1	271		25.91		27.00



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100	QPSK	135	0		26.01		27.00
100	QPSK	135	69		25.82		27.00
100	QPSK	135	138		25.81		27.00
100	QPSK	270	0		25.89		27.00
100	16QAM	1	1		26.14		27.00
100	64QAM	1	1		25.46		26.00
100	256QAM	1	1		22.84		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.17	26.19	26.15	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.14	26.12	26.06	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.08	26.13	26.03	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	26.04	26.11	26.13	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.10	26.07	26.10	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	26.04	26.11	26.05	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.15	26.09	26.04	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.06	26.07	26.08	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	26.13	26.13	26.10	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	26.07	26.07	26.00	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.12	26.18	26.04	27.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 4_DSI 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	26.39	26.44	26.43	27.00
100	PI/2 BPSK	1	137	26.18	26.36	26.32	27.00
100	PI/2 BPSK	1	271	26.31	26.42	26.30	27.00
100	PI/2 BPSK	135	0	26.16	26.31	26.18	27.00
100	PI/2 BPSK	135	69	26.31	26.38	26.33	27.00
100	PI/2 BPSK	135	138	26.13	26.31	26.25	27.00
100	PI/2 BPSK	270	0	26.17	26.35	26.21	27.00
100	QPSK	1	1	26.20	26.32	26.26	27.00
100	QPSK	1	137	26.21	26.30	26.23	27.00
100	QPSK	1	271	26.37	26.46	26.32	27.00
100	QPSK	135	0	26.31	26.39	26.33	27.00
100	QPSK	135	69	26.21	26.27	26.19	27.00
100	QPSK	135	138	26.21	26.30	26.19	27.00
100	QPSK	270	0	26.25	26.33	26.25	27.00
100	16QAM	1	1	26.15	26.28	26.25	27.00
100	64QAM	1	1	25.46	25.58	25.45	26.00
100	256QAM	1	1	23.48	23.60	23.45	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	26.27	26.30	26.40	27.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	26.34	26.41	26.38	27.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	26.30	26.29	26.36	27.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)



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60	PI/2 BPSK	1	1	26.28	26.43	26.36	27.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	26.35	26.36	26.37	27.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	26.36	26.40	26.41	27.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	26.26	26.29	26.42	27.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	26.25	26.34	26.30	27.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	26.35	26.30	26.28	27.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	26.30	26.38	26.36	27.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	26.26	26.40	26.42	27.00

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

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		23.34		24.00
100	PI/2 BPSK	1	137		22.71		24.00
100	PI/2 BPSK	1	271		23.05		24.00
100	PI/2 BPSK	135	0		22.97		24.00
100	PI/2 BPSK	135	69		23.24		24.00
100	PI/2 BPSK	135	138		22.72		24.00
100	PI/2 BPSK	270	0		23.09		24.00
100	QPSK	1	1		23.14		24.00
100	QPSK	1	137		22.77		24.00
100	QPSK	1	271		23.01		24.00
100	QPSK	135	0		23.00		24.00
100	QPSK	135	69		22.81		24.00
100	QPSK	135	138		22.78		24.00
100	QPSK	270	0		22.90		24.00
100	16QAM	1	1		23.12		24.00
100	64QAM	1	1		23.14		24.00
100	256QAM	1	1		23.25		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.25	23.27	23.21	24.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.20	23.23	23.09	24.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.11	23.18	23.16	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.24	23.13	23.07	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.22	23.14	23.12	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.13	23.20	23.12	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.11	23.23	23.09	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.11	23.22	23.15	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.23	23.23	23.16	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)



15	PI/2 BPSK	1	1	23.21	23.18	23.17	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.23	23.20	23.17	24.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 6_Full Power】

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	23.36	23.40	23.32	24.00
100	PI/2 BPSK	1	137	22.94	23.12	22.94	24.00
100	PI/2 BPSK	1	271	23.13	23.26	23.13	24.00
100	PI/2 BPSK	135	0	23.16	23.21	23.01	24.00
100	PI/2 BPSK	135	69	23.30	23.34	23.28	24.00
100	PI/2 BPSK	135	138	22.95	23.11	22.93	24.00
100	PI/2 BPSK	270	0	23.14	23.32	23.14	24.00
100	QPSK	1	1	23.28	23.38	23.18	24.00
100	QPSK	1	137	22.92	23.08	22.88	24.00
100	QPSK	1	271	23.00	23.17	23.07	24.00
100	QPSK	135	0	23.04	23.22	23.02	24.00
100	QPSK	135	69	22.91	23.04	22.83	24.00
100	QPSK	135	138	22.87	23.04	22.90	24.00
100	QPSK	270	0	23.08	23.13	22.93	24.00
100	16QAM	1	1	23.23	23.31	23.09	24.00
100	64QAM	1	1	23.28	23.35	23.22	24.00
100	256QAM	1	1	23.07	23.21	23.08	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.25	23.36	23.28	24.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.29	23.25	23.22	24.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.25	23.27	23.20	24.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	23.33	23.31	23.27	24.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	23.21	23.35	23.30	24.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	23.30	23.30	23.23	24.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	23.30	23.33	23.28	24.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	23.26	23.31	23.21	24.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	23.24	23.28	23.27	24.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.31	23.31	23.17	24.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.27	23.31	23.17	24.00

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

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		26.36		27.00
100	PI/2 BPSK	1	137		25.70		27.00
100	PI/2 BPSK	1	271		25.95		27.00



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100	PI/2 BPSK	135	0		26.06		27.00
100	PI/2 BPSK	135	69		26.16		27.00
100	PI/2 BPSK	135	138		25.73		27.00
100	PI/2 BPSK	270	0		26.09		27.00
100	QPSK	1	1		26.31		27.00
100	QPSK	1	137		25.73		27.00
100	QPSK	1	271		25.93		27.00
100	QPSK	135	0		25.88		27.00
100	QPSK	135	69		25.80		27.00
100	QPSK	135	138		25.78		27.00
100	QPSK	270	0		25.91		27.00
100	16QAM	1	1		26.13		27.00
100	64QAM	1	1		24.79		26.00
100	256QAM	1	1		23.03		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.30	26.33	26.28	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.17	26.27	26.17	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.23	26.28	26.15	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	26.28	26.21	26.25	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.19	26.25	26.21	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	26.23	26.21	26.26	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.21	26.28	26.15	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.24	26.24	26.13	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	26.28	26.24	26.13	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	26.22	26.19	26.20	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.27	26.28	26.15	27.00

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

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	26.44	26.46	26.41	27.00
100	PI/2 BPSK	1	137	26.07	26.15	26.06	27.00
100	PI/2 BPSK	1	271	26.20	26.26	26.14	27.00
100	PI/2 BPSK	135	0	25.92	26.03	25.85	27.00
100	PI/2 BPSK	135	69	26.38	26.41	26.35	27.00
100	PI/2 BPSK	135	138	26.06	26.14	26.01	27.00
100	PI/2 BPSK	270	0	26.33	26.39	26.26	27.00
100	QPSK	1	1	26.25	26.35	26.15	27.00
100	QPSK	1	137	26.03	26.15	25.96	27.00
100	QPSK	1	271	26.23	26.32	26.23	27.00
100	QPSK	135	0	25.89	26.01	25.83	27.00
100	QPSK	135	69	26.11	26.17	26.01	27.00
100	QPSK	135	138	25.87	26.00	25.87	27.00
100	QPSK	270	0	26.12	26.23	26.13	27.00
100	16QAM	1	1	26.15	26.26	26.09	27.00
100	64QAM	1	1	24.93	25.06	24.88	26.00
100	256QAM	1	1	23.09	23.17	23.08	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	26.40	26.34	26.36	27.00
Channel				649334	656000	662666	Tune-up limit



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80	PI/2 BPSK	1	1	Frequency (MHz)	3740.01	3840	3939.99	(dBm)
				Channel	26.35	26.42	26.29	27.00
				Frequency (MHz)	649000	656000	663000	Tune-up limit (dBm)
70	PI/2 BPSK	1	1	Channel	3735	3840	3945	(dBm)
				Frequency (MHz)	26.39	26.44	26.26	27.00
				Channel	648668	656000	663332	Tune-up limit (dBm)
60	PI/2 BPSK	1	1	Frequency (MHz)	3730.02	3840	3949.98	(dBm)
				Channel	26.31	26.42	26.29	27.00
				Frequency (MHz)	648334	656000	663666	Tune-up limit (dBm)
50	PI/2 BPSK	1	1	Channel	3725.01	3840	3954.99	(dBm)
				Frequency (MHz)	26.30	26.38	26.29	27.00
				Channel	648000	656000	664000	Tune-up limit (dBm)
40	PI/2 BPSK	1	1	Frequency (MHz)	3720	3840	3960	(dBm)
				Channel	26.40	26.44	26.33	27.00
				Frequency (MHz)	647668	656000	664332	Tune-up limit (dBm)
30	PI/2 BPSK	1	1	Channel	3715.02	3840	3964.98	(dBm)
				Frequency (MHz)	26.31	26.32	26.39	27.00
				Channel	647500	656000	664500	Tune-up limit (dBm)
25	PI/2 BPSK	1	1	Frequency (MHz)	3712.5	3840	3967.5	(dBm)
				Channel	26.42	26.31	26.39	27.00
				Frequency (MHz)	647334	656000	664666	Tune-up limit (dBm)
20	PI/2 BPSK	1	1	Channel	3710.01	3840	3969.99	(dBm)
				Frequency (MHz)	26.29	26.32	26.28	27.00
				Channel	647168	656000	664832	Tune-up limit (dBm)
15	PI/2 BPSK	1	1	Frequency (MHz)	3707.52	3840	3972.48	(dBm)
				Channel	26.30	26.32	26.31	27.00
				Frequency (MHz)	647000	656000	665000	Tune-up limit (dBm)
10	PI/2 BPSK	1	1	Channel	3705	3840	3975	(dBm)
				Frequency (MHz)	26.43	26.43	26.31	27.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
					633332		
					3499.98		
100	PI/2 BPSK	1	1		23.34		24.00
100	PI/2 BPSK	1	137		22.71		24.00
100	PI/2 BPSK	1	271		23.05		24.00
100	PI/2 BPSK	135	0		22.97		24.00
100	PI/2 BPSK	135	69		23.24		24.00
100	PI/2 BPSK	135	138		22.72		24.00
100	PI/2 BPSK	270	0		23.09		24.00
100	QPSK	1	1		23.14		24.00
100	QPSK	1	137		22.77		24.00
100	QPSK	1	271		23.01		24.00
100	QPSK	135	0		23.00		24.00
100	QPSK	135	69		22.81		24.00
100	QPSK	135	138		22.78		24.00
100	QPSK	270	0		22.90		24.00
100	16QAM	1	1		23.12		24.00
100	64QAM	1	1		23.14		24.00
100	256QAM	1	1		23.25		24.00
				633000	633332	633666	Tune-up limit (dBm)
				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.25	23.27	23.21	24.00
				632668	633332	634000	Tune-up limit (dBm)
				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.20	23.23	23.09	24.00
				632334	633332	634332	Tune-up limit (dBm)
				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.11	23.18	23.16	24.00
				632000	633332	634666	Tune-up limit (dBm)
				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.24	23.13	23.07	24.00
				631668	633332	635000	Tune-up limit (dBm)
				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.22	23.14	23.12	24.00
				631334	633332	635332	Tune-up limit (dBm)
				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.13	23.20	23.12	24.00
				631000	633332	635666	Tune-up limit (dBm)
				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.11	23.23	23.09	24.00
				630834	633332	635832	Tune-up limit



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25	Frequency (MHz)	3462.51	3499.98	3537.48	(dBm)
	PI/2 BPSK	23.11	23.22	23.15	24.00
	Channel	630668	633332	636000	Tune-up limit (dBm)
20	Frequency (MHz)	3460.02	3499.98	3540	(dBm)
	PI/2 BPSK	23.23	23.23	23.16	24.00
	Channel	630500	633332	636166	Tune-up limit (dBm)
15	Frequency (MHz)	3457.5	3499.98	3542.49	(dBm)
	PI/2 BPSK	23.21	23.18	23.17	24.00
	Channel	630334	633332	636332	Tune-up limit (dBm)
10	Frequency (MHz)	3455.01	3499.98	3544.98	(dBm)
	PI/2 BPSK	23.23	23.20	23.17	24.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 6_DSI 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	23.36	23.40	23.32	24.00
100	PI/2 BPSK	1	137	22.94	23.12	22.94	24.00
100	PI/2 BPSK	1	271	23.13	23.26	23.13	24.00
100	PI/2 BPSK	135	0	23.16	23.21	23.01	24.00
100	PI/2 BPSK	135	69	23.30	23.34	23.28	24.00
100	PI/2 BPSK	135	138	22.95	23.11	22.93	24.00
100	PI/2 BPSK	270	0	23.14	23.32	23.14	24.00
100	QPSK	1	1	23.28	23.38	23.18	24.00
100	QPSK	1	137	22.92	23.08	22.88	24.00
100	QPSK	1	271	23.00	23.17	23.07	24.00
100	QPSK	135	0	23.04	23.22	23.02	24.00
100	QPSK	135	69	22.91	23.04	22.83	24.00
100	QPSK	135	138	22.87	23.04	22.90	24.00
100	QPSK	270	0	23.08	23.13	22.93	24.00
100	16QAM	1	1	23.23	23.31	23.09	24.00
100	64QAM	1	1	23.28	23.35	23.22	24.00
100	256QAM	1	1	23.07	23.21	23.08	24.00
	Channel			649668	656000	662332	Tune-up limit (dBm)
	Frequency (MHz)			3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.25	23.36	23.28	24.00
	Channel			649334	656000	662666	Tune-up limit (dBm)
	Frequency (MHz)			3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.29	23.25	23.22	24.00
	Channel			649000	656000	663000	Tune-up limit (dBm)
	Frequency (MHz)			3735	3840	3945	
70	PI/2 BPSK	1	1	23.25	23.27	23.20	24.00
	Channel			648668	656000	663332	Tune-up limit (dBm)
	Frequency (MHz)			3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.33	23.31	23.27	24.00
	Channel			648334	656000	663666	Tune-up limit (dBm)
	Frequency (MHz)			3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.21	23.35	23.30	24.00
	Channel			648000	656000	664000	Tune-up limit (dBm)
	Frequency (MHz)			3720	3840	3960	
40	PI/2 BPSK	1	1	23.30	23.30	23.23	24.00
	Channel			647668	656000	664332	Tune-up limit (dBm)
	Frequency (MHz)			3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.30	23.33	23.28	24.00
	Channel			647500	656000	664500	Tune-up limit (dBm)
	Frequency (MHz)			3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.26	23.31	23.21	24.00
	Channel			647334	656000	664666	Tune-up limit (dBm)
	Frequency (MHz)			3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.24	23.28	23.27	24.00
	Channel			647168	656000	664832	Tune-up limit (dBm)
	Frequency (MHz)			3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.31	23.31	23.17	24.00
	Channel			647000	656000	665000	Tune-up limit (dBm)
	Frequency (MHz)			3705	3840	3975	
10	PI/2 BPSK	1	1	23.27	23.31	23.17	24.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_DSI 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		18.25		19.40
100	PI/2 BPSK	1	137		18.15		19.40
100	PI/2 BPSK	1	271		18.15		19.40
100	PI/2 BPSK	135	0		18.12		19.40
100	PI/2 BPSK	135	69		18.21		19.40
100	PI/2 BPSK	135	138		18.10		19.40
100	PI/2 BPSK	270	0		18.15		19.40
100	QPSK	1	1		18.03		19.40
100	QPSK	1	137		18.09		19.40
100	QPSK	1	271		18.21		19.40
100	QPSK	135	0		18.09		19.40
100	QPSK	135	69		18.13		19.40
100	QPSK	135	138		18.23		19.40
100	QPSK	270	0		18.01		19.40
100	16QAM	1	1		18.06		19.40
100	64QAM	1	1		18.06		19.40
100	256QAM	1	1		18.01		19.40
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.02	18.22	18.02	19.40
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.00	18.08	17.96	19.40
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.89	18.10	17.96	19.40
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.97	18.14	17.99	19.40
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.00	18.08	17.93	19.40
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.89	18.12	17.95	19.40
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.94	18.12	17.94	19.40
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	17.98	18.19	17.90	19.40
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.98	18.13	17.87	19.40
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.96	18.18	17.88	19.40
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.96	18.09	17.90	19.40

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_Ant 6_DSI 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	18.26	18.30	18.28	19.40
100	PI/2 BPSK	1	137	18.09	18.20	18.11	19.40
100	PI/2 BPSK	1	271	18.07	18.20	18.08	19.40
100	PI/2 BPSK	135	0	17.96	18.09	18.02	19.40
100	PI/2 BPSK	135	69	18.26	18.28	18.24	19.40
100	PI/2 BPSK	135	138	17.96	18.07	17.98	19.40
100	PI/2 BPSK	270	0	18.06	18.23	18.08	19.40
100	QPSK	1	1	18.07	18.22	18.17	19.40
100	QPSK	1	137	18.10	18.29	18.19	19.40
100	QPSK	1	271	17.93	18.09	18.06	19.40



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100	QPSK	135	0	18.15	18.26	18.11	19.40
100	QPSK	135	69	18.06	18.13	18.04	19.40
100	QPSK	135	138	17.99	18.07	17.93	19.40
100	QPSK	270	0	18.10	18.15	18.09	19.40
100	16QAM	1	1	18.13	18.25	18.18	19.40
100	64QAM	1	1	18.15	18.23	18.09	19.40
100	256QAM	1	1	18.16	18.29	18.12	19.40
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	18.20	18.20	18.27	19.40
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	18.22	18.20	18.16	19.40
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	18.22	18.28	18.14	19.40
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	18.15	18.25	18.17	19.40
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	18.24	18.17	18.18	19.40
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	18.18	18.20	18.17	19.40
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	18.12	18.21	18.24	19.40
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	18.16	18.21	18.24	19.40
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	18.15	18.21	18.19	19.40
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	18.15	18.15	18.16	19.40
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	18.24	18.28	18.19	19.40

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_DSI 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		21.72		22.60
100	PI/2 BPSK	1	137		21.51		22.60
100	PI/2 BPSK	1	271		21.63		22.60
100	PI/2 BPSK	135	0		21.66		22.60
100	PI/2 BPSK	135	69		21.69		22.60
100	PI/2 BPSK	135	138		21.56		22.60
100	PI/2 BPSK	270	0		21.61		22.60
100	QPSK	1	1		21.64		22.60
100	QPSK	1	137		21.68		22.60
100	QPSK	1	271		21.63		22.60
100	QPSK	135	0		21.61		22.60
100	QPSK	135	69		21.71		22.60
100	QPSK	135	138		21.62		22.60
100	QPSK	270	0		21.68		22.60
100	16QAM	1	1		21.65		22.60
100	64QAM	1	1		21.56		22.60
100	256QAM	1	1		21.63		22.60
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.52	21.65	21.67	22.60
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	21.37	21.50	21.59	22.60
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.46	21.50	21.58	22.60
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



60	PI/2 BPSK	1	1	21.37	21.53	21.58	22.60
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.48	21.64	21.62	22.60
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.50	21.64	21.62	22.60
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.46	21.53	21.60	22.60
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.46	21.58	21.54	22.60
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.49	21.60	21.59	22.60
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.48	21.52	21.57	22.60
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.48	21.52	21.55	22.60

【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 6_DSI 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	21.72	21.78	21.74	22.60
100	PI/2 BPSK	1	137	21.41	21.59	21.49	22.60
100	PI/2 BPSK	1	271	21.66	21.74	21.67	22.60
100	PI/2 BPSK	135	0	21.40	21.57	21.45	22.60
100	PI/2 BPSK	135	69	21.81	21.76	21.73	22.60
100	PI/2 BPSK	135	138	21.61	21.75	21.69	22.60
100	PI/2 BPSK	270	0	21.59	21.67	21.53	22.60
100	QPSK	1	1	21.47	21.59	21.45	22.60
100	QPSK	1	137	21.51	21.61	21.53	22.60
100	QPSK	1	271	21.59	21.71	21.57	22.60
100	QPSK	135	0	21.63	21.75	21.56	22.60
100	QPSK	135	69	21.49	21.69	21.61	22.60
100	QPSK	135	138	21.44	21.58	21.47	22.60
100	QPSK	270	0	21.60	21.67	21.57	22.60
100	16QAM	1	1	21.60	21.75	21.60	22.60
100	64QAM	1	1	21.51	21.64	21.58	22.60
100	256QAM	1	1	21.55	21.67	21.61	22.60
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.61	21.65	21.62	22.60
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.59	21.72	21.73	22.60
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.64	21.70	21.66	22.60
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.69	21.74	21.62	22.60
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.59	21.66	21.66	22.60
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.68	21.68	21.69	22.60
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.70	21.77	21.72	22.60
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	21.62	21.72	21.69	22.60
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.61	21.67	21.73	22.60
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	



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15	PI/2 BPSK	1	1	21.64	21.74	21.70	22.60
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	21.59	21.69	21.69	22.60

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.92		12.60
100	PI/2 BPSK	1	137		11.84		12.60
100	PI/2 BPSK	1	271		11.89		12.60
100	PI/2 BPSK	135	0		11.85		12.60
100	PI/2 BPSK	135	69		11.91		12.60
100	PI/2 BPSK	135	138		11.77		12.60
100	PI/2 BPSK	270	0		11.86		12.60
100	QPSK	1	1		11.80		12.60
100	QPSK	1	137		11.85		12.60
100	QPSK	1	271		11.87		12.60
100	QPSK	135	0		11.84		12.60
100	QPSK	135	69		11.86		12.60
100	QPSK	135	138		11.88		12.60
100	QPSK	270	0		11.84		12.60
100	16QAM	1	1		11.87		12.60
100	64QAM	1	1		11.77		12.60
100	256QAM	1	1		11.84		12.60
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	11.85	11.83	11.82	12.60
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	11.71	11.80	11.78	12.60
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	11.84	11.74	11.72	12.60
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	11.71	11.81	11.74	12.60
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	11.83	11.82	11.69	12.60
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	11.71	11.81	11.71	12.60
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	11.78	11.77	11.70	12.60
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	11.80	11.72	11.76	12.60
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	11.77	11.81	11.77	12.60
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	11.78	11.81	11.76	12.60
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	11.79	11.71	11.68	12.60

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 6_DSI 12】

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	11.93	11.98	11.95	12.60
100	PI/2 BPSK	1	137	11.83	11.93	11.84	12.60
100	PI/2 BPSK	1	271	11.82	11.92	11.86	12.60
100	PI/2 BPSK	135	0	11.82	11.84	11.86	12.60
100	PI/2 BPSK	135	69	11.81	11.99	11.86	12.60
100	PI/2 BPSK	135	138	11.84	11.95	11.89	12.60
100	PI/2 BPSK	270	0	11.82	11.92	11.86	12.60
100	QPSK	1	1	11.89	11.87	11.81	12.60
100	QPSK	1	137	11.88	11.90	11.81	12.60
100	QPSK	1	271	11.81	11.84	11.87	12.60
100	QPSK	135	0	11.89	11.95	11.84	12.60
100	QPSK	135	69	11.81	11.91	11.91	12.60
100	QPSK	135	138	11.84	11.86	11.86	12.60
100	QPSK	270	0	11.89	11.92	11.84	12.60
100	16QAM	1	1	11.80	11.93	11.91	12.60
100	64QAM	1	1	11.83	11.94	11.92	12.60
100	256QAM	1	1	11.78	11.86	11.87	12.60
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	11.82	11.96	11.87	12.60
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	11.84	11.89	11.92	12.60
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	11.88	11.91	11.89	12.60
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	11.85	11.88	11.90	12.60
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	11.85	11.94	11.87	12.60
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	11.83	11.92	11.88	12.60
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	11.83	11.91	11.93	12.60
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	11.86	11.96	11.87	12.60
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	11.82	11.90	11.86	12.60
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	11.81	11.87	11.93	12.60
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	11.89	11.88	11.82	12.60

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

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		18.25		19.40
100	PI/2 BPSK	1	137		18.15		19.40
100	PI/2 BPSK	1	271		18.15		19.40
100	PI/2 BPSK	135	0		18.12		19.40
100	PI/2 BPSK	135	69		18.21		19.40
100	PI/2 BPSK	135	138		18.10		19.40
100	PI/2 BPSK	270	0		18.15		19.40
100	QPSK	1	1		18.03		19.40
100	QPSK	1	137		18.09		19.40
100	QPSK	1	271		18.21		19.40



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100	QPSK	135	0		18.09		19.40
100	QPSK	135	69		18.13		19.40
100	QPSK	135	138		18.23		19.40
100	QPSK	270	0		18.01		19.40
100	16QAM	1	1		18.06		19.40
100	64QAM	1	1		18.06		19.40
100	256QAM	1	1		18.01		19.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.02	18.22	18.02	19.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.00	18.08	17.96	19.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.89	18.10	17.96	19.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.97	18.14	17.99	19.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.00	18.08	17.93	19.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.89	18.12	17.95	19.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.94	18.12	17.94	19.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.98	18.19	17.90	19.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.98	18.13	17.87	19.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.96	18.18	17.88	19.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.96	18.09	17.90	19.40

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

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	18.26	18.30	18.28	19.40
100	PI/2 BPSK	1	137	18.09	18.20	18.11	19.40
100	PI/2 BPSK	1	271	18.07	18.20	18.08	19.40
100	PI/2 BPSK	135	0	17.96	18.09	18.02	19.40
100	PI/2 BPSK	135	69	18.26	18.28	18.24	19.40
100	PI/2 BPSK	135	138	17.96	18.07	17.98	19.40
100	PI/2 BPSK	270	0	18.06	18.23	18.08	19.40
100	QPSK	1	1	18.07	18.22	18.17	19.40
100	QPSK	1	137	18.10	18.29	18.19	19.40
100	QPSK	1	271	17.93	18.09	18.06	19.40
100	QPSK	135	0	18.15	18.26	18.11	19.40
100	QPSK	135	69	18.06	18.13	18.04	19.40
100	QPSK	135	138	17.99	18.07	17.93	19.40
100	QPSK	270	0	18.10	18.15	18.09	19.40
100	16QAM	1	1	18.13	18.25	18.18	19.40
100	64QAM	1	1	18.15	18.23	18.09	19.40
100	256QAM	1	1	18.16	18.29	18.12	19.40
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	18.20	18.20	18.27	19.40
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	18.22	18.20	18.16	19.40
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	18.22	18.28	18.14	19.40
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)



60	PI/2 BPSK	1	1	18.15	18.25	18.17	19.40
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	18.24	18.17	18.18	19.40
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	18.18	18.20	18.17	19.40
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	18.12	18.21	18.24	19.40
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	18.16	18.21	18.24	19.40
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	18.15	18.21	18.19	19.40
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	18.15	18.15	18.16	19.40
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	18.24	18.28	18.19	19.40

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_DSI 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		23.34		24.00
100	PI/2 BPSK	1	137		22.71		24.00
100	PI/2 BPSK	1	271		23.05		24.00
100	PI/2 BPSK	135	0		22.97		24.00
100	PI/2 BPSK	135	69		23.24		24.00
100	PI/2 BPSK	135	138		22.72		24.00
100	PI/2 BPSK	270	0		23.09		24.00
100	QPSK	1	1		23.14		24.00
100	QPSK	1	137		22.77		24.00
100	QPSK	1	271		23.01		24.00
100	QPSK	135	0		23.00		24.00
100	QPSK	135	69		22.81		24.00
100	QPSK	135	138		22.78		24.00
100	QPSK	270	0		22.90		24.00
100	16QAM	1	1		23.12		24.00
100	64QAM	1	1		23.14		24.00
100	256QAM	1	1		23.25		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.25	23.27	23.21	24.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.20	23.23	23.09	24.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.11	23.18	23.16	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.24	23.13	23.07	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.22	23.14	23.12	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.13	23.20	23.12	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.11	23.23	23.09	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.11	23.22	23.15	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.23	23.23	23.16	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)



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15	PI/2 BPSK	1	1	23.21	23.18	23.17	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.23	23.20	23.17	24.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 6_DSI 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 (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.36	23.40	23.32	24.00
100	PI/2 BPSK	1	137	22.94	23.12	22.94	24.00
100	PI/2 BPSK	1	271	23.13	23.26	23.13	24.00
100	PI/2 BPSK	135	0	23.16	23.21	23.01	24.00
100	PI/2 BPSK	135	69	23.30	23.34	23.28	24.00
100	PI/2 BPSK	135	138	22.95	23.11	22.93	24.00
100	PI/2 BPSK	270	0	23.14	23.32	23.14	24.00
100	QPSK	1	1	23.28	23.38	23.18	24.00
100	QPSK	1	137	22.92	23.08	22.88	24.00
100	QPSK	1	271	23.00	23.17	23.07	24.00
100	QPSK	135	0	23.04	23.22	23.02	24.00
100	QPSK	135	69	22.91	23.04	22.83	24.00
100	QPSK	135	138	22.87	23.04	22.90	24.00
100	QPSK	270	0	23.08	23.13	22.93	24.00
100	16QAM	1	1	23.23	23.31	23.09	24.00
100	64QAM	1	1	23.28	23.35	23.22	24.00
100	256QAM	1	1	23.07	23.21	23.08	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.25	23.36	23.28	24.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.29	23.25	23.22	24.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.25	23.27	23.20	24.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	23.33	23.31	23.27	24.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	23.21	23.35	23.30	24.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	23.30	23.30	23.23	24.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	23.30	23.33	23.28	24.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	23.26	23.31	23.21	24.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	23.24	23.28	23.27	24.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.31	23.31	23.17	24.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.27	23.31	23.17	24.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_DSI 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		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.36		27.00
100	PI/2 BPSK	1	137		25.70		27.00
100	PI/2 BPSK	1	271		25.95		27.00



100	PI/2 BPSK	135	0		26.06		27.00
100	PI/2 BPSK	135	69		26.16		27.00
100	PI/2 BPSK	135	138		25.73		27.00
100	PI/2 BPSK	270	0		26.09		27.00
100	QPSK	1	1		26.31		27.00
100	QPSK	1	137		25.73		27.00
100	QPSK	1	271		25.93		27.00
100	QPSK	135	0		25.88		27.00
100	QPSK	135	69		25.80		27.00
100	QPSK	135	138		25.78		27.00
100	QPSK	270	0		25.91		27.00
100	16QAM	1	1		26.13		27.00
100	64QAM	1	1		24.79		26.00
100	256QAM	1	1		23.03		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.30	26.33	26.28	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.17	26.27	26.17	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.23	26.28	26.15	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	26.28	26.21	26.25	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.19	26.25	26.21	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	26.23	26.21	26.26	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.21	26.28	26.15	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.24	26.24	26.13	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	26.28	26.24	26.13	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	26.22	26.19	26.20	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.27	26.28	26.15	27.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_DSI 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	26.44	26.46	26.41	27.00
100	PI/2 BPSK	1	137	26.07	26.15	26.06	27.00
100	PI/2 BPSK	1	271	26.20	26.26	26.14	27.00
100	PI/2 BPSK	135	0	25.92	26.03	25.85	27.00
100	PI/2 BPSK	135	69	26.38	26.41	26.35	27.00
100	PI/2 BPSK	135	138	26.06	26.14	26.01	27.00
100	PI/2 BPSK	270	0	26.33	26.39	26.26	27.00
100	QPSK	1	1	26.25	26.35	26.15	27.00
100	QPSK	1	137	26.03	26.15	25.96	27.00
100	QPSK	1	271	26.23	26.32	26.23	27.00
100	QPSK	135	0	25.89	26.01	25.83	27.00
100	QPSK	135	69	26.11	26.17	26.01	27.00
100	QPSK	135	138	25.87	26.00	25.87	27.00
100	QPSK	270	0	26.12	26.23	26.13	27.00
100	16QAM	1	1	26.15	26.26	26.09	27.00
100	64QAM	1	1	24.93	25.06	24.88	26.00
100	256QAM	1	1	23.09	23.17	23.08	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	26.40	26.34	26.36	27.00
Channel				649334	656000	662666	Tune-up limit



Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	26.35	26.42	26.29	27.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	26.39	26.44	26.26	27.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	26.31	26.42	26.29	27.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	26.30	26.38	26.29	27.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	26.40	26.44	26.33	27.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	26.31	26.32	26.39	27.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	26.42	26.31	26.39	27.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	26.29	26.32	26.28	27.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	26.30	26.32	26.31	27.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	26.43	26.43	26.31	27.00

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_DSI 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		21.23		22.40
100	PI/2 BPSK	1	137		21.05		22.40
100	PI/2 BPSK	1	271		21.07		22.40
100	PI/2 BPSK	135	0		21.07		22.40
100	PI/2 BPSK	135	69		21.20		22.40
100	PI/2 BPSK	135	138		21.07		22.40
100	PI/2 BPSK	270	0		21.17		22.40
100	QPSK	1	1		21.13		22.40
100	QPSK	1	137		21.09		22.40
100	QPSK	1	271		21.22		22.40
100	QPSK	135	0		21.17		22.40
100	QPSK	135	69		21.06		22.40
100	QPSK	135	138		21.04		22.40
100	QPSK	270	0		21.13		22.40
100	16QAM	1	1		21.07		22.40
100	64QAM	1	1		21.22		22.40
100	256QAM	1	1		21.16		22.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.15	21.21	21.06	22.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	21.02	21.13	20.97	22.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.05	21.16	21.03	22.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	21.00	21.10	20.94	22.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.08	21.06	20.92	22.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.08	21.17	21.02	22.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.04	21.07	20.96	22.40
Channel				630834	633332	635832	Tune-up limit

	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	21.02	21.08	20.94	22.40
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	21.12	21.09	20.99	22.40
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	21.10	21.19	20.99	22.40
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.04	21.18	20.98	22.40

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_DSI 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	21.30	21.32	21.28	22.40
100	PI/2 BPSK	1	137	21.09	21.21	21.11	22.40
100	PI/2 BPSK	1	271	21.11	21.17	21.01	22.40
100	PI/2 BPSK	135	0	21.09	21.20	21.01	22.40
100	PI/2 BPSK	135	69	21.25	21.29	21.26	22.40
100	PI/2 BPSK	135	138	20.95	21.12	21.02	22.40
100	PI/2 BPSK	270	0	21.13	21.27	21.08	22.40
100	QPSK	1	1	21.07	21.23	21.12	22.40
100	QPSK	1	137	21.18	21.24	21.05	22.40
100	QPSK	1	271	21.03	21.12	21.07	22.40
100	QPSK	135	0	21.11	21.24	21.13	22.40
100	QPSK	135	69	21.15	21.31	21.24	22.40
100	QPSK	135	138	21.06	21.19	21.01	22.40
100	QPSK	270	0	21.01	21.17	21.07	22.40
100	16QAM	1	1	21.14	21.26	21.17	22.40
100	64QAM	1	1	21.17	21.22	21.08	22.40
100	256QAM	1	1	21.04	21.13	21.05	22.40
	Channel			649668	656000	662332	Tune-up limit
	Frequency (MHz)			3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	21.23	21.22	21.20	22.40
	Channel			649334	656000	662666	Tune-up limit
	Frequency (MHz)			3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	21.15	21.22	21.20	22.40
	Channel			649000	656000	663000	Tune-up limit
	Frequency (MHz)			3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	21.16	21.22	21.19	22.40
	Channel			648668	656000	663332	Tune-up limit
	Frequency (MHz)			3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	21.22	21.30	21.23	22.40
	Channel			648334	656000	663666	Tune-up limit
	Frequency (MHz)			3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	21.27	21.21	21.25	22.40
	Channel			648000	656000	664000	Tune-up limit
	Frequency (MHz)			3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	21.17	21.30	21.17	22.40
	Channel			647668	656000	664332	Tune-up limit
	Frequency (MHz)			3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	21.21	21.23	21.15	22.40
	Channel			647500	656000	664500	Tune-up limit
	Frequency (MHz)			3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	21.29	21.21	21.14	22.40
	Channel			647334	656000	664666	Tune-up limit
	Frequency (MHz)			3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	21.26	21.19	21.21	22.40
	Channel			647168	656000	664832	Tune-up limit
	Frequency (MHz)			3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	21.24	21.28	21.18	22.40
	Channel			647000	656000	665000	Tune-up limit
	Frequency (MHz)			3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	21.15	21.20	21.25	22.40



【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_DSI 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		24.83		25.60
100	PI/2 BPSK	1	137		24.71		25.60
100	PI/2 BPSK	1	271		24.59		25.60
100	PI/2 BPSK	135	0		24.73		25.60
100	PI/2 BPSK	135	69		24.75		25.60
100	PI/2 BPSK	135	138		24.71		25.60
100	PI/2 BPSK	270	0		24.71		25.60
100	QPSK	1	1		24.60		25.60
100	QPSK	1	137		24.75		25.60
100	QPSK	1	271		24.53		25.60
100	QPSK	135	0		24.64		25.60
100	QPSK	135	69		24.57		25.60
100	QPSK	135	138		24.56		25.60
100	QPSK	270	0		24.55		25.60
100	16QAM	1	1		24.65		25.60
100	64QAM	1	1		24.61		25.60
100	256QAM	1	1		23.03		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.55	24.72	24.65	25.60
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	24.49	24.62	24.51	25.60
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.42	24.64	24.62	25.60
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.44	24.59	24.62	25.60
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	24.44	24.67	24.51	25.60
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	24.41	24.64	24.62	25.60
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	24.41	24.63	24.58	25.60
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	24.47	24.59	24.60	25.60
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	24.42	24.67	24.54	25.60
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	24.54	24.59	24.59	25.60
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.47	24.68	24.56	25.60

【FR1 n77 (27Q)_FCC_Part 27Q (3700~3980MHz)_HPUE_Ant 6_DSI 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	24.83	24.90	24.85	25.60
100	PI/2 BPSK	1	137	24.68	24.81	24.70	25.60
100	PI/2 BPSK	1	271	24.71	24.82	24.65	25.60
100	PI/2 BPSK	135	0	24.56	24.71	24.64	25.60
100	PI/2 BPSK	135	69	24.80	24.85	24.78	25.60
100	PI/2 BPSK	135	138	24.47	24.62	24.54	25.60
100	PI/2 BPSK	270	0	24.71	24.81	24.62	25.60
100	QPSK	1	1	24.47	24.65	24.54	25.60
100	QPSK	1	137	24.64	24.80	24.68	25.60
100	QPSK	1	271	24.60	24.74	24.62	25.60



100	QPSK	135	0	24.47	24.66	24.52	25.60
100	QPSK	135	69	24.71	24.84	24.66	25.60
100	QPSK	135	138	24.61	24.77	24.67	25.60
100	QPSK	270	0	24.46	24.63	24.47	25.60
100	16QAM	1	1	24.74	24.85	24.75	25.60
100	64QAM	1	1	24.47	24.65	24.48	25.60
100	256QAM	1	1	23.09	23.17	23.08	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	24.76	24.80	24.77	25.60
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	24.81	24.76	24.72	25.60
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	24.70	24.78	24.83	25.60
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	24.69	24.81	24.81	25.60
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	24.79	24.84	24.72	25.60
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	24.69	24.82	24.70	25.60
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	24.80	24.86	24.72	25.60
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	24.76	24.84	24.71	25.60
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	24.80	24.81	24.70	25.60
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	24.77	24.76	24.81	25.60
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	24.76	24.82	24.79	25.60

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_DSI 12】

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		14.99		15.60
100	PI/2 BPSK	1	137		14.87		15.60
100	PI/2 BPSK	1	271		14.85		15.60
100	PI/2 BPSK	135	0		14.88		15.60
100	PI/2 BPSK	135	69		14.95		15.60
100	PI/2 BPSK	135	138		14.93		15.60
100	PI/2 BPSK	270	0		14.93		15.60
100	QPSK	1	1		14.95		15.60
100	QPSK	1	137		14.84		15.60
100	QPSK	1	271		14.91		15.60
100	QPSK	135	0		14.91		15.60
100	QPSK	135	69		14.87		15.60
100	QPSK	135	138		14.86		15.60
100	QPSK	270	0		14.94		15.60
100	16QAM	1	1		14.88		15.60
100	64QAM	1	1		14.89		15.60
100	256QAM	1	1		14.92		15.60
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.85	14.83	14.82	15.60
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.74	14.75	14.79	15.60
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.80	14.76	14.71	15.60
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



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60	PI/2 BPSK	1	1	14.71	14.80	14.69	15.60
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.73	14.69	14.73	15.60
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.80	14.73	14.77	15.60
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.79	14.80	14.78	15.60
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	14.83	14.80	14.75	15.60
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.80	14.71	14.77	15.60
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.71	14.69	14.74	15.60
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.81	14.68	14.73	15.60

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_DSI 12】

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	15.00	15.01	14.98	15.60
100	PI/2 BPSK	1	137	14.96	14.97	14.87	15.60
100	PI/2 BPSK	1	271	14.88	14.90	14.85	15.60
100	PI/2 BPSK	135	0	14.95	14.97	14.87	15.60
100	PI/2 BPSK	135	69	14.89	14.99	14.92	15.60
100	PI/2 BPSK	135	138	14.90	14.95	14.88	15.60
100	PI/2 BPSK	270	0	14.92	14.96	14.89	15.60
100	QPSK	1	1	14.93	14.88	14.84	15.60
100	QPSK	1	137	14.90	14.90	14.84	15.60
100	QPSK	1	271	14.92	14.90	14.84	15.60
100	QPSK	135	0	14.96	14.94	14.93	15.60
100	QPSK	135	69	14.94	14.95	14.90	15.60
100	QPSK	135	138	14.89	14.95	14.92	15.60
100	QPSK	270	0	14.86	14.96	14.91	15.60
100	16QAM	1	1	14.97	14.93	14.88	15.60
100	64QAM	1	1	14.89	14.94	14.91	15.60
100	256QAM	1	1	14.90	14.96	14.93	15.60
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	14.93	14.88	14.87	15.60
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	14.86	14.86	14.84	15.60
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	14.91	14.97	14.88	15.60
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	14.90	14.94	14.91	15.60
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	14.98	14.91	14.87	15.60
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	14.88	14.88	14.94	15.60
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	14.95	14.91	14.93	15.60
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	14.87	14.87	14.84	15.60
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	14.96	14.99	14.89	15.60
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	



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15	PI/2 BPSK	1	1	14.96	14.95	14.90	15.60
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	14.87	14.98	14.87	15.60

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_DSI 7】

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		21.23		22.40
100	PI/2 BPSK	1	137		21.05		22.40
100	PI/2 BPSK	1	271		21.07		22.40
100	PI/2 BPSK	135	0		21.07		22.40
100	PI/2 BPSK	135	69		21.20		22.40
100	PI/2 BPSK	135	138		21.07		22.40
100	PI/2 BPSK	270	0		21.17		22.40
100	QPSK	1	1		21.13		22.40
100	QPSK	1	137		21.09		22.40
100	QPSK	1	271		21.22		22.40
100	QPSK	135	0		21.17		22.40
100	QPSK	135	69		21.06		22.40
100	QPSK	135	138		21.04		22.40
100	QPSK	270	0		21.13		22.40
100	16QAM	1	1		21.07		22.40
100	64QAM	1	1		21.22		22.40
100	256QAM	1	1		21.16		22.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.15	21.21	21.06	22.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	21.02	21.13	20.97	22.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.05	21.16	21.03	22.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	21.00	21.10	20.94	22.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.08	21.06	20.92	22.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.08	21.17	21.02	22.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.04	21.07	20.96	22.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	21.02	21.08	20.94	22.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	21.12	21.09	20.99	22.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	21.10	21.19	20.99	22.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.04	21.18	20.98	22.40

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.30	21.32	21.28	22.40
100	PI/2 BPSK	1	137	21.09	21.21	21.11	22.40
100	PI/2 BPSK	1	271	21.11	21.17	21.01	22.40
100	PI/2 BPSK	135	0	21.09	21.20	21.01	22.40
100	PI/2 BPSK	135	69	21.25	21.29	21.26	22.40
100	PI/2 BPSK	135	138	20.95	21.12	21.02	22.40
100	PI/2 BPSK	270	0	21.13	21.27	21.08	22.40
100	QPSK	1	1	21.07	21.23	21.12	22.40
100	QPSK	1	137	21.18	21.24	21.05	22.40
100	QPSK	1	271	21.03	21.12	21.07	22.40
100	QPSK	135	0	21.11	21.24	21.13	22.40
100	QPSK	135	69	21.15	21.31	21.24	22.40
100	QPSK	135	138	21.06	21.19	21.01	22.40
100	QPSK	270	0	21.01	21.17	21.07	22.40
100	16QAM	1	1	21.14	21.26	21.17	22.40
100	64QAM	1	1	21.17	21.22	21.08	22.40
100	256QAM	1	1	21.04	21.13	21.05	22.40
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.23	21.22	21.20	22.40
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.15	21.22	21.20	22.40
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.16	21.22	21.19	22.40
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.22	21.30	21.23	22.40
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.27	21.21	21.25	22.40
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.17	21.30	21.17	22.40
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.21	21.23	21.15	22.40
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	21.29	21.21	21.14	22.40
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.26	21.19	21.21	22.40
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.24	21.28	21.18	22.40
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.15	21.20	21.25	22.40

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_DSI 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		26.36		27.00
100	PI/2 BPSK	1	137		25.70		27.00
100	PI/2 BPSK	1	271		25.95		27.00
100	PI/2 BPSK	135	0		26.06		27.00
100	PI/2 BPSK	135	69		26.16		27.00
100	PI/2 BPSK	135	138		25.73		27.00
100	PI/2 BPSK	270	0		26.09		27.00
100	QPSK	1	1		26.31		27.00
100	QPSK	1	137		25.73		27.00
100	QPSK	1	271		25.93		27.00



100	QPSK	135	0		25.88		27.00
100	QPSK	135	69		25.80		27.00
100	QPSK	135	138		25.78		27.00
100	QPSK	270	0		25.91		27.00
100	16QAM	1	1		26.13		27.00
100	64QAM	1	1		24.79		26.00
100	256QAM	1	1		23.03		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.30	26.33	26.28	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.17	26.27	26.17	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.23	26.28	26.15	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	26.28	26.21	26.25	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.19	26.25	26.21	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	26.23	26.21	26.26	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.21	26.28	26.15	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.24	26.24	26.13	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	26.28	26.24	26.13	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	26.22	26.19	26.20	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.27	26.28	26.15	27.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_DSI 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	26.44	26.46	26.41	27.00
100	PI/2 BPSK	1	137	26.07	26.15	26.06	27.00
100	PI/2 BPSK	1	271	26.20	26.26	26.14	27.00
100	PI/2 BPSK	135	0	25.92	26.03	25.85	27.00
100	PI/2 BPSK	135	69	26.38	26.41	26.35	27.00
100	PI/2 BPSK	135	138	26.06	26.14	26.01	27.00
100	PI/2 BPSK	270	0	26.33	26.39	26.26	27.00
100	QPSK	1	1	26.25	26.35	26.15	27.00
100	QPSK	1	137	26.03	26.15	25.96	27.00
100	QPSK	1	271	26.23	26.32	26.23	27.00
100	QPSK	135	0	25.89	26.01	25.83	27.00
100	QPSK	135	69	26.11	26.17	26.01	27.00
100	QPSK	135	138	25.87	26.00	25.87	27.00
100	QPSK	270	0	26.12	26.23	26.13	27.00
100	16QAM	1	1	26.15	26.26	26.09	27.00
100	64QAM	1	1	24.93	25.06	24.88	26.00
100	256QAM	1	1	23.09	23.17	23.08	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	26.40	26.34	26.36	27.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	26.35	26.42	26.29	27.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	26.39	26.44	26.26	27.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)



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60	PI/2 BPSK	1	1	26.31	26.42	26.29	27.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.30	26.38	26.29	27.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	26.40	26.44	26.33	27.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	26.31	26.32	26.39	27.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	26.42	26.31	26.39	27.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	26.29	26.32	26.28	27.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.30	26.32	26.31	27.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.43	26.43	26.31	27.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_Full Power】

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		23.48		24.00
100	PI/2 BPSK	1	137		22.97		24.00
100	PI/2 BPSK	1	271		23.17		24.00
100	PI/2 BPSK	135	0		23.20		24.00
100	PI/2 BPSK	135	69		23.40		24.00
100	PI/2 BPSK	135	138		23.01		24.00
100	PI/2 BPSK	270	0		23.35		24.00
100	QPSK	1	1		23.37		24.00
100	QPSK	1	137		22.95		24.00
100	QPSK	1	271		23.15		24.00
100	QPSK	135	0		23.15		24.00
100	QPSK	135	69		23.02		24.00
100	QPSK	135	138		22.94		24.00
100	QPSK	270	0		23.04		24.00
100	16QAM	1	1		23.36		24.00
100	64QAM	1	1		22.56		23.00
100	256QAM	1	1		20.44		21.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.41	23.45	23.42	24.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.37	23.40	23.34	24.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.28	23.41	23.35	24.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.27	23.41	23.29	24.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.35	23.42	23.34	24.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.26	23.31	23.29	24.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.40	23.40	23.32	24.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.29	23.34	23.30	24.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.27	23.39	23.38	24.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	



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15	PI/2 BPSK	1	1	23.30	23.43	23.30	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.28	23.37	23.37	24.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 8_Full Power】

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	23.31	23.39	23.35	24.00
100	PI/2 BPSK	1	137	22.93	23.05	23.00	24.00
100	PI/2 BPSK	1	271	22.95	23.07	22.98	24.00
100	PI/2 BPSK	135	0	22.83	23.04	22.88	24.00
100	PI/2 BPSK	135	69	23.32	23.34	23.29	24.00
100	PI/2 BPSK	135	138	22.84	23.02	22.90	24.00
100	PI/2 BPSK	270	0	23.08	23.30	23.22	24.00
100	QPSK	1	1	23.05	23.26	23.11	24.00
100	QPSK	1	137	22.83	22.96	22.78	24.00
100	QPSK	1	271	22.91	23.10	22.94	24.00
100	QPSK	135	0	22.81	23.03	22.86	24.00
100	QPSK	135	69	22.82	22.99	22.83	24.00
100	QPSK	135	138	22.80	22.98	22.89	24.00
100	QPSK	270	0	22.90	23.03	22.95	24.00
100	16QAM	1	1	23.06	23.19	23.12	24.00
100	64QAM	1	1	22.25	22.38	22.21	23.00
100	256QAM	1	1	20.13	20.32	20.14	21.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.24	23.24	23.24	24.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.21	23.25	23.28	24.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.25	23.35	23.27	24.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.24	23.29	23.21	24.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.30	23.27	23.28	24.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.23	23.38	23.26	24.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.27	23.26	23.29	24.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.27	23.32	23.20	24.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.26	23.32	23.34	24.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.21	23.32	23.21	24.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.24	23.32	23.29	24.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_Full Power】

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		26.43		27.00
100	PI/2 BPSK	1	137		26.04		27.00
100	PI/2 BPSK	1	271		26.18		27.00
100	PI/2 BPSK	135	0		26.13		27.00
100	PI/2 BPSK	135	69		26.39		27.00
100	PI/2 BPSK	135	138		25.98		27.00
100	PI/2 BPSK	270	0		26.33		27.00
100	QPSK	1	1		26.31		27.00
100	QPSK	1	137		25.96		27.00
100	QPSK	1	271		26.21		27.00
100	QPSK	135	0		26.17		27.00
100	QPSK	135	69		25.99		27.00
100	QPSK	135	138		26.01		27.00
100	QPSK	270	0		26.02		27.00
100	16QAM	1	1		26.39		27.00
100	64QAM	1	1		25.52		26.00
100	256QAM	1	1		23.53		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.38	26.40	26.35	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.29	26.27	26.23	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.24	26.30	26.22	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	26.25	26.30	26.32	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.25	26.30	26.25	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	26.29	26.28	26.21	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.37	26.28	26.26	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.33	26.27	26.25	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	26.31	26.31	26.22	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	26.25	26.28	26.28	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.31	26.36	26.22	27.00

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_HPUE_Ant 8_Full Power】

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	26.45	26.53	26.46	27.00
100	PI/2 BPSK	1	137	25.99	26.14	26.03	27.00
100	PI/2 BPSK	1	271	26.05	26.24	26.14	27.00
100	PI/2 BPSK	135	0	26.02	26.20	26.05	27.00
100	PI/2 BPSK	135	69	26.45	26.49	26.47	27.00
100	PI/2 BPSK	135	138	26.07	26.24	26.03	27.00
100	PI/2 BPSK	270	0	26.31	26.43	26.27	27.00
100	QPSK	1	1	26.23	26.41	26.23	27.00
100	QPSK	1	137	25.96	26.14	25.98	27.00
100	QPSK	1	271	26.14	26.24	26.06	27.00



100	QPSK	135	0	26.08	26.24	26.11	27.00
100	QPSK	135	69	26.05	26.19	26.05	27.00
100	QPSK	135	138	26.01	26.14	25.96	27.00
100	QPSK	270	0	26.07	26.26	26.15	27.00
100	16QAM	1	1	26.17	26.35	26.22	27.00
100	64QAM	1	1	25.41	25.52	25.36	26.00
100	256QAM	1	1	23.33	23.52	23.41	24.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	26.42	26.39	26.39	27.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	26.41	26.51	26.35	27.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	26.30	26.42	26.37	27.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	26.34	26.51	26.35	27.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	26.36	26.46	26.42	27.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	26.38	26.45	26.42	27.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	26.41	26.45	26.43	27.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	26.44	26.49	26.45	27.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	26.41	26.49	26.40	27.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	26.35	26.51	26.44	27.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	26.44	26.49	26.45	27.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_DSI 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		20.92		21.70
100	PI/2 BPSK	1	137		20.83		21.70
100	PI/2 BPSK	1	271		20.69		21.70
100	PI/2 BPSK	135	0		20.75		21.70
100	PI/2 BPSK	135	69		20.88		21.70
100	PI/2 BPSK	135	138		20.69		21.70
100	PI/2 BPSK	270	0		20.84		21.70
100	QPSK	1	1		20.73		21.70
100	QPSK	1	137		20.73		21.70
100	QPSK	1	271		20.65		21.70
100	QPSK	135	0		20.75		21.70
100	QPSK	135	69		20.64		21.70
100	QPSK	135	138		20.83		21.70
100	QPSK	270	0		20.69		21.70
100	16QAM	1	1		20.70		21.70
100	64QAM	1	1		20.73		21.70
100	256QAM	1	1		20.44		21.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.71	20.70	20.66	21.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.64	20.68	20.64	21.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.56	20.62	20.61	21.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



60	PI/2 BPSK	1	1	20.66	20.60	20.65	21.70
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.69	20.68	20.59	21.70
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.60	20.67	20.57	21.70
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.67	20.60	20.60	21.70
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.65	20.63	20.61	21.70
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.58	20.64	20.54	21.70
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.65	20.66	20.59	21.70
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.58	20.64	20.55	21.70

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 8_DSI 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	20.72	20.80	20.75	21.70
100	PI/2 BPSK	1	137	20.55	20.65	20.47	21.70
100	PI/2 BPSK	1	271	20.46	20.68	20.58	21.70
100	PI/2 BPSK	135	0	20.46	20.58	20.45	21.70
100	PI/2 BPSK	135	69	20.70	20.78	20.74	21.70
100	PI/2 BPSK	135	138	20.39	20.56	20.41	21.70
100	PI/2 BPSK	270	0	20.52	20.74	20.58	21.70
100	QPSK	1	1	20.55	20.77	20.70	21.70
100	QPSK	1	137	20.38	20.61	20.46	21.70
100	QPSK	1	271	20.63	20.73	20.64	21.70
100	QPSK	135	0	20.57	20.79	20.63	21.70
100	QPSK	135	69	20.48	20.62	20.54	21.70
100	QPSK	135	138	20.59	20.70	20.59	21.70
100	QPSK	270	0	20.38	20.55	20.48	21.70
100	16QAM	1	1	20.44	20.58	20.43	21.70
100	64QAM	1	1	20.40	20.57	20.38	21.70
100	256QAM	1	1	20.13	20.32	20.14	21.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.67	20.76	20.68	21.70
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.61	20.72	20.74	21.70
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.59	20.67	20.60	21.70
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.60	20.77	20.63	21.70
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.58	20.79	20.61	21.70
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.66	20.66	20.60	21.70
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	20.59	20.66	20.70	21.70
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	20.60	20.71	20.62	21.70
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.65	20.69	20.62	21.70
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	



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15	PI/2 BPSK	1	1	20.68	20.74	20.71	21.70
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	20.62	20.72	20.60	21.70

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_DSI 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		17.89		18.90
100	PI/2 BPSK	1	137		17.66		18.90
100	PI/2 BPSK	1	271		17.84		18.90
100	PI/2 BPSK	135	0		17.71		18.90
100	PI/2 BPSK	135	69		17.87		18.90
100	PI/2 BPSK	135	138		17.74		18.90
100	PI/2 BPSK	270	0		17.86		18.90
100	QPSK	1	1		17.74		18.90
100	QPSK	1	137		17.67		18.90
100	QPSK	1	271		17.70		18.90
100	QPSK	135	0		17.67		18.90
100	QPSK	135	69		17.68		18.90
100	QPSK	135	138		17.72		18.90
100	QPSK	270	0		17.68		18.90
100	16QAM	1	1		17.68		18.90
100	64QAM	1	1		17.82		18.90
100	256QAM	1	1		17.66		18.90
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.85	17.85	17.74	18.90
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.76	17.73	17.72	18.90
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.73	17.73	17.67	18.90
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.70	17.81	17.68	18.90
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.70	17.78	17.70	18.90
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.73	17.75	17.68	18.90
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.80	17.82	17.66	18.90
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.82	17.78	17.62	18.90
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.79	17.71	17.72	18.90
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.71	17.71	17.72	18.90
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.72	17.77	17.60	18.90



【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 8_DSI 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	17.74	17.80	17.77	18.90
100	PI/2 BPSK	1	137	17.42	17.56	17.45	18.90
100	PI/2 BPSK	1	271	17.61	17.79	17.74	18.90
100	PI/2 BPSK	135	0	17.68	17.77	17.65	18.90
100	PI/2 BPSK	135	69	17.73	17.79	17.75	18.90
100	PI/2 BPSK	135	138	17.42	17.55	17.46	18.90
100	PI/2 BPSK	270	0	17.61	17.74	17.65	18.90
100	QPSK	1	1	17.56	17.67	17.59	18.90
100	QPSK	1	137	17.62	17.71	17.57	18.90
100	QPSK	1	271	17.55	17.70	17.58	18.90
100	QPSK	135	0	17.63	17.73	17.58	18.90
100	QPSK	135	69	17.54	17.71	17.66	18.90
100	QPSK	135	138	17.63	17.77	17.68	18.90
100	QPSK	270	0	17.54	17.69	17.54	18.90
100	16QAM	1	1	17.62	17.71	17.60	18.90
100	64QAM	1	1	17.47	17.62	17.56	18.90
100	256QAM	1	1	17.58	17.67	17.55	18.90
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.62	17.75	17.64	18.90
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.61	17.70	17.68	18.90
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.66	17.77	17.73	18.90
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.70	17.70	17.70	18.90
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.60	17.74	17.67	18.90
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.63	17.78	17.63	18.90
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	17.61	17.65	17.66	18.90
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	17.69	17.65	17.66	18.90
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.61	17.73	17.63	18.90
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.65	17.72	17.66	18.90
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.67	17.74	17.63	18.90

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_DSI 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		18.98		19.90
100	PI/2 BPSK	1	137		18.65		19.90
100	PI/2 BPSK	1	271		18.71		19.90
100	PI/2 BPSK	135	0		18.78		19.90
100	PI/2 BPSK	135	69		18.95		19.90
100	PI/2 BPSK	135	138		18.65		19.90
100	PI/2 BPSK	270	0		18.92		19.90
100	QPSK	1	1		18.77		19.90
100	QPSK	1	137		18.76		19.90
100	QPSK	1	271		18.80		19.90



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100	QPSK	135	0		18.81		19.90
100	QPSK	135	69		18.83		19.90
100	QPSK	135	138		18.71		19.90
100	QPSK	270	0		18.65		19.90
100	16QAM	1	1		18.82		19.90
100	64QAM	1	1		18.77		19.90
100	256QAM	1	1		18.83		19.90
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.95	18.97	18.92	19.90
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.87	18.88	18.88	19.90
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.84	18.85	18.88	19.90
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.82	18.89	18.84	19.90
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.83	18.82	18.88	19.90
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.82	18.88	18.89	19.90
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.91	18.82	18.88	19.90
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.87	18.83	18.90	19.90
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.88	18.95	18.84	19.90
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	18.85	18.94	18.79	19.90
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.82	18.85	18.87	19.90

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 8_DSI 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	18.80	18.83	18.78	19.90
100	PI/2 BPSK	1	137	18.55	18.62	18.50	19.90
100	PI/2 BPSK	1	271	18.69	18.77	18.69	19.90
100	PI/2 BPSK	135	0	18.54	18.63	18.56	19.90
100	PI/2 BPSK	135	69	18.78	18.81	18.74	19.90
100	PI/2 BPSK	135	138	18.54	18.71	18.59	19.90
100	PI/2 BPSK	270	0	18.70	18.76	18.59	19.90
100	QPSK	1	1	18.41	18.55	18.37	19.90
100	QPSK	1	137	18.51	18.64	18.50	19.90
100	QPSK	1	271	18.57	18.74	18.62	19.90
100	QPSK	135	0	18.52	18.65	18.54	19.90
100	QPSK	135	69	18.51	18.57	18.46	19.90
100	QPSK	135	138	18.44	18.56	18.49	19.90
100	QPSK	270	0	18.59	18.74	18.62	19.90
100	16QAM	1	1	18.62	18.76	18.69	19.90
100	64QAM	1	1	18.62	18.68	18.61	19.90
100	256QAM	1	1	18.51	18.57	18.42	19.90
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	18.76	18.78	18.70	19.90
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	18.79	18.69	18.73	19.90
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	18.68	18.77	18.76	19.90
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)



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60	PI/2 BPSK	1	1	18.70	18.72	18.74	19.90
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.65	18.73	18.70	19.90
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.76	18.70	18.67	19.90
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	18.70	18.73	18.73	19.90
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	18.68	18.81	18.64	19.90
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.79	18.82	18.76	19.90
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.74	18.75	18.73	19.90
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.67	18.81	18.64	19.90

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 8_DSI 12】

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		9.13		10.00
100	PI/2 BPSK	1	137		9.06		10.00
100	PI/2 BPSK	1	271		9.04		10.00
100	PI/2 BPSK	135	0		9.03		10.00
100	PI/2 BPSK	135	69		9.10		10.00
100	PI/2 BPSK	135	138		9.07		10.00
100	PI/2 BPSK	270	0		9.06		10.00
100	QPSK	1	1		9.05		10.00
100	QPSK	1	137		9.03		10.00
100	QPSK	1	271		9.00		10.00
100	QPSK	135	0		9.01		10.00
100	QPSK	135	69		9.02		10.00
100	QPSK	135	138		9.05		10.00
100	QPSK	270	0		9.00		10.00
100	16QAM	1	1		9.09		10.00
100	64QAM	1	1		9.09		10.00
100	256QAM	1	1		9.06		10.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.05	9.03	9.02	10.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	8.93	8.92	8.91	10.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.01	8.91	8.91	10.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	8.92	8.88	8.99	10.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.02	8.90	8.99	10.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	8.97	8.97	8.94	10.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	8.93	8.97	8.91	10.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	8.98	8.94	8.98	10.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	8.92	8.89	8.90	10.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	



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15	PI/2 BPSK	1	1	8.93	9.02	8.98	10.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	9.01	8.94	8.91	10.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 8_DSI 12】

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	9.21	9.25	9.13	10.00
100	PI/2 BPSK	1	137	9.17	9.19	8.99	10.00
100	PI/2 BPSK	1	271	9.14	9.15	9.09	10.00
100	PI/2 BPSK	135	0	9.13	9.21	9.09	10.00
100	PI/2 BPSK	135	69	9.10	9.23	9.05	10.00
100	PI/2 BPSK	135	138	9.14	9.18	9.00	10.00
100	PI/2 BPSK	270	0	9.15	9.10	9.00	10.00
100	QPSK	1	1	9.12	9.15	9.06	10.00
100	QPSK	1	137	9.12	9.20	9.02	10.00
100	QPSK	1	271	9.09	9.19	9.08	10.00
100	QPSK	135	0	9.10	9.11	9.00	10.00
100	QPSK	135	69	9.13	9.19	9.00	10.00
100	QPSK	135	138	9.13	9.11	9.07	10.00
100	QPSK	270	0	9.16	9.22	9.07	10.00
100	16QAM	1	1	9.18	9.14	9.09	10.00
100	64QAM	1	1	9.13	9.19	9.08	10.00
100	256QAM	1	1	9.14	9.11	9.10	10.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	9.17	9.21	9.02	10.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	9.14	9.23	9.03	10.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	9.14	9.13	9.05	10.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	9.14	9.24	9.09	10.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	9.10	9.21	9.08	10.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	9.17	9.11	9.05	10.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	9.06	9.17	9.10	10.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	9.11	9.10	9.04	10.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	9.16	9.13	9.12	10.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	9.16	9.21	9.00	10.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	9.14	9.11	8.99	10.00



【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_DSI 7】

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		17.89		18.90
100	PI/2 BPSK	1	137		17.66		18.90
100	PI/2 BPSK	1	271		17.84		18.90
100	PI/2 BPSK	135	0		17.71		18.90
100	PI/2 BPSK	135	69		17.87		18.90
100	PI/2 BPSK	135	138		17.74		18.90
100	PI/2 BPSK	270	0		17.86		18.90
100	QPSK	1	1		17.74		18.90
100	QPSK	1	137		17.67		18.90
100	QPSK	1	271		17.70		18.90
100	QPSK	135	0		17.67		18.90
100	QPSK	135	69		17.68		18.90
100	QPSK	135	138		17.72		18.90
100	QPSK	270	0		17.68		18.90
100	16QAM	1	1		17.68		18.90
100	64QAM	1	1		17.82		18.90
100	256QAM	1	1		17.66		18.90
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.85	17.85	17.74	18.90
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.76	17.73	17.72	18.90
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.73	17.73	17.67	18.90
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.70	17.81	17.68	18.90
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.70	17.78	17.70	18.90
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.73	17.75	17.68	18.90
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.80	17.82	17.66	18.90
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.82	17.78	17.62	18.90
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.79	17.71	17.72	18.90
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.71	17.71	17.72	18.90
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.72	17.77	17.60	18.90

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_Ant 8_DSI 7】

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	17.74	17.80	17.77	18.90
100	PI/2 BPSK	1	137	17.42	17.56	17.45	18.90
100	PI/2 BPSK	1	271	17.61	17.79	17.74	18.90
100	PI/2 BPSK	135	0	17.68	17.77	17.65	18.90
100	PI/2 BPSK	135	69	17.73	17.79	17.75	18.90
100	PI/2 BPSK	135	138	17.42	17.55	17.46	18.90
100	PI/2 BPSK	270	0	17.61	17.74	17.65	18.90
100	QPSK	1	1	17.56	17.67	17.59	18.90
100	QPSK	1	137	17.62	17.71	17.57	18.90
100	QPSK	1	271	17.55	17.70	17.58	18.90



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100	QPSK	135	0	17.63	17.73	17.58	18.90
100	QPSK	135	69	17.54	17.71	17.66	18.90
100	QPSK	135	138	17.63	17.77	17.68	18.90
100	QPSK	270	0	17.54	17.69	17.54	18.90
100	16QAM	1	1	17.62	17.71	17.60	18.90
100	64QAM	1	1	17.47	17.62	17.56	18.90
100	256QAM	1	1	17.58	17.67	17.55	18.90
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	17.62	17.75	17.64	18.90
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	17.61	17.70	17.68	18.90
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	17.66	17.77	17.73	18.90
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	17.70	17.70	17.70	18.90
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	17.60	17.74	17.67	18.90
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	17.63	17.78	17.63	18.90
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	17.61	17.65	17.66	18.90
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	17.69	17.65	17.66	18.90
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	17.61	17.73	17.63	18.90
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	17.65	17.72	17.66	18.90
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	17.67	17.74	17.63	18.90

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_DSI 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		21.53		21.90
100	PI/2 BPSK	1	137		21.50		21.90
100	PI/2 BPSK	1	271		21.46		21.90
100	PI/2 BPSK	135	0		21.48		21.90
100	PI/2 BPSK	135	69		21.49		21.90
100	PI/2 BPSK	135	138		21.40		21.90
100	PI/2 BPSK	270	0		21.50		21.90
100	QPSK	1	1		21.41		21.90
100	QPSK	1	137		21.44		21.90
100	QPSK	1	271		21.46		21.90
100	QPSK	135	0		21.45		21.90
100	QPSK	135	69		21.47		21.90
100	QPSK	135	138		21.42		21.90
100	QPSK	270	0		21.40		21.90
100	16QAM	1	1		21.43		21.90
100	64QAM	1	1		21.49		21.90
100	256QAM	1	1		20.63		21.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.41	21.45	21.42	21.90
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	21.29	21.35	21.33	21.90
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.29	21.39	21.36	21.90
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



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60	PI/2 BPSK	1	1	21.39	21.37	21.32	21.90
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.32	21.43	21.27	21.90
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.26	21.37	21.34	21.90
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.27	21.39	21.29	21.90
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	21.33	21.41	21.39	21.90
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	21.28	21.42	21.33	21.90
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	21.27	21.37	21.32	21.90
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.36	21.38	21.28	21.90

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 8_DSI 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	21.55	21.58	21.54	21.90
100	PI/2 BPSK	1	137	21.43	21.50	21.47	21.90
100	PI/2 BPSK	1	271	21.43	21.52	21.43	21.90
100	PI/2 BPSK	135	0	21.42	21.47	21.42	21.90
100	PI/2 BPSK	135	69	21.45	21.53	21.45	21.90
100	PI/2 BPSK	135	138	21.46	21.50	21.42	21.90
100	PI/2 BPSK	270	0	21.52	21.47	21.48	21.90
100	QPSK	1	1	21.47	21.52	21.39	21.90
100	QPSK	1	137	21.41	21.52	21.41	21.90
100	QPSK	1	271	21.50	21.50	21.40	21.90
100	QPSK	135	0	21.44	21.49	21.43	21.90
100	QPSK	135	69	21.46	21.54	21.48	21.90
100	QPSK	135	138	21.51	21.45	21.47	21.90
100	QPSK	270	0	21.45	21.54	21.44	21.90
100	16QAM	1	1	21.51	21.54	21.44	21.90
100	64QAM	1	1	21.46	21.49	21.46	21.90
100	256QAM	1	1	20.56	20.62	20.53	21.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	21.53	21.51	21.43	21.90
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	21.50	21.57	21.43	21.90
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	21.49	21.48	21.45	21.90
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	21.50	21.55	21.47	21.90
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	21.48	21.46	21.47	21.90
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	21.48	21.56	21.39	21.90
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	21.49	21.56	21.40	21.90
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	21.48	21.43	21.49	21.90
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	21.48	21.54	21.44	21.90
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)



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15	PI/2 BPSK	1	1	21.40	21.46	21.50	21.90
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	21.46	21.56	21.48	21.90

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_DSI 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		23.92		24.70
100	PI/2 BPSK	1	137		23.82		24.70
100	PI/2 BPSK	1	271		23.77		24.70
100	PI/2 BPSK	135	0		23.75		24.70
100	PI/2 BPSK	135	69		23.87		24.70
100	PI/2 BPSK	135	138		23.69		24.70
100	PI/2 BPSK	270	0		23.82		24.70
100	QPSK	1	1		23.63		24.70
100	QPSK	1	137		23.63		24.70
100	QPSK	1	271		23.59		24.70
100	QPSK	135	0		23.78		24.70
100	QPSK	135	69		23.74		24.70
100	QPSK	135	138		23.65		24.70
100	QPSK	270	0		23.63		24.70
100	16QAM	1	1		23.63		24.70
100	64QAM	1	1		23.61		24.70
100	256QAM	1	1		23.53		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.69	23.60	23.75	24.70
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.67	23.47	23.73	24.70
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.68	23.50	23.74	24.70
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.64	23.55	23.68	24.70
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.59	23.48	23.68	24.70
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.61	23.59	23.64	24.70
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.67	23.52	23.69	24.70
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.56	23.50	23.61	24.70
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.57	23.49	23.62	24.70
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.67	23.47	23.67	24.70
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.61	23.46	23.73	24.70

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 8_DSI 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	23.94	23.97	23.95	24.70
100	PI/2 BPSK	1	137	23.77	23.88	23.72	24.70
100	PI/2 BPSK	1	271	23.83	23.92	23.77	24.70
100	PI/2 BPSK	135	0	23.69	23.81	23.67	24.70
100	PI/2 BPSK	135	69	23.94	23.95	23.88	24.70
100	PI/2 BPSK	135	138	23.72	23.81	23.67	24.70
100	PI/2 BPSK	270	0	23.74	23.90	23.85	24.70
100	QPSK	1	1	23.77	23.92	23.81	24.70
100	QPSK	1	137	23.63	23.75	23.71	24.70
100	QPSK	1	271	23.59	23.76	23.62	24.70
100	QPSK	135	0	23.67	23.80	23.70	24.70
100	QPSK	135	69	23.59	23.73	23.68	24.70
100	QPSK	135	138	23.73	23.90	23.82	24.70
100	QPSK	270	0	23.73	23.91	23.84	24.70
100	16QAM	1	1	23.55	23.70	23.58	24.70
100	64QAM	1	1	23.56	23.71	23.55	24.70
100	256QAM	1	1	23.33	23.52	23.41	24.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.86	23.95	23.89	24.70
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.81	23.96	23.88	24.70
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.86	23.83	23.92	24.70
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.83	23.89	23.80	24.70
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.88	23.87	23.93	24.70
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.86	23.95	23.93	24.70
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.80	23.95	23.88	24.70
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.91	23.83	23.91	24.70
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.92	23.84	23.89	24.70
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.83	23.86	23.82	24.70
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.88	23.95	23.84	24.70

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_DSI 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		20.88		21.90
100	PI/2 BPSK	1	137		20.71		21.90
100	PI/2 BPSK	1	271		20.81		21.90
100	PI/2 BPSK	135	0		20.79		21.90
100	PI/2 BPSK	135	69		20.85		21.90
100	PI/2 BPSK	135	138		20.80		21.90
100	PI/2 BPSK	270	0		20.82		21.90
100	QPSK	1	1		20.71		21.90
100	QPSK	1	137		20.65		21.90
100	QPSK	1	271		20.68		21.90



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100	QPSK	135	0		20.63		21.90
100	QPSK	135	69		20.68		21.90
100	QPSK	135	138		20.83		21.90
100	QPSK	270	0		20.68		21.90
100	16QAM	1	1		20.65		21.90
100	64QAM	1	1		20.78		21.90
100	256QAM	1	1		20.72		21.90
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.70	20.67	20.64	21.90
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.66	20.60	20.50	21.90
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.60	20.59	20.55	21.90
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.57	20.54	20.56	21.90
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.60	20.65	20.61	21.90
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.66	20.63	20.61	21.90
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.67	20.55	20.59	21.90
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.67	20.65	20.61	21.90
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.67	20.61	20.60	21.90
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.62	20.61	20.51	21.90
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.69	20.61	20.58	21.90

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 8_DSI 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	20.91	20.98	20.96	21.90
100	PI/2 BPSK	1	137	20.72	20.87	20.84	21.90
100	PI/2 BPSK	1	271	20.67	20.81	20.66	21.90
100	PI/2 BPSK	135	0	20.53	20.71	20.61	21.90
100	PI/2 BPSK	135	69	20.95	20.97	20.92	21.90
100	PI/2 BPSK	135	138	20.59	20.75	20.64	21.90
100	PI/2 BPSK	270	0	20.75	20.92	20.85	21.90
100	QPSK	1	1	20.65	20.80	20.74	21.90
100	QPSK	1	137	20.64	20.77	20.67	21.90
100	QPSK	1	271	20.74	20.89	20.80	21.90
100	QPSK	135	0	20.54	20.70	20.63	21.90
100	QPSK	135	69	20.61	20.80	20.65	21.90
100	QPSK	135	138	20.68	20.78	20.75	21.90
100	QPSK	270	0	20.55	20.73	20.65	21.90
100	16QAM	1	1	20.51	20.71	20.55	21.90
100	64QAM	1	1	20.58	20.73	20.64	21.90
100	256QAM	1	1	20.69	20.81	20.70	21.90
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	20.88	20.86	20.95	21.90
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	20.84	20.86	20.84	21.90
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	20.79	20.95	20.93	21.90
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)



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60	PI/2 BPSK	1	1	20.86	20.93	20.86	21.90
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.77	20.95	20.88	21.90
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.88	20.90	20.93	21.90
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	20.89	20.96	20.92	21.90
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	20.77	20.88	20.92	21.90
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.89	20.89	20.88	21.90
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.86	20.91	20.88	21.90
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.86	20.90	20.83	21.90

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_DSI 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		21.82		22.90
100	PI/2 BPSK	1	137		21.70		22.90
100	PI/2 BPSK	1	271		21.80		22.90
100	PI/2 BPSK	135	0		21.61		22.90
100	PI/2 BPSK	135	69		21.78		22.90
100	PI/2 BPSK	135	138		21.76		22.90
100	PI/2 BPSK	270	0		21.76		22.90
100	QPSK	1	1		21.63		22.90
100	QPSK	1	137		21.68		22.90
100	QPSK	1	271		21.78		22.90
100	QPSK	135	0		21.80		22.90
100	QPSK	135	69		21.59		22.90
100	QPSK	135	138		21.67		22.90
100	QPSK	270	0		21.59		22.90
100	16QAM	1	1		21.64		22.90
100	64QAM	1	1		21.76		22.90
100	256QAM	1	1		21.70		22.90
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.76	21.60	21.68	22.90
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.71	21.54	21.66	22.90
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.74	21.46	21.58	22.90
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.72	21.56	21.66	22.90
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.71	21.51	21.65	22.90
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.73	21.48	21.64	22.90
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.65	21.56	21.57	22.90
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.63	21.56	21.61	22.90
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.65	21.48	21.54	22.90
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	



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15	PI/2 BPSK	1	1	21.64	21.58	21.62	22.90
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.61	21.51	21.64	22.90

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 8_DSI 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	21.90	21.93	21.88	22.90
100	PI/2 BPSK	1	137	21.58	21.75	21.65	22.90
100	PI/2 BPSK	1	271	21.67	21.79	21.63	22.90
100	PI/2 BPSK	135	0	21.65	21.82	21.72	22.90
100	PI/2 BPSK	135	69	21.85	21.89	21.87	22.90
100	PI/2 BPSK	135	138	21.69	21.79	21.61	22.90
100	PI/2 BPSK	270	0	21.59	21.70	21.57	22.90
100	QPSK	1	1	21.65	21.79	21.63	22.90
100	QPSK	1	137	21.76	21.86	21.67	22.90
100	QPSK	1	271	21.82	21.90	21.75	22.90
100	QPSK	135	0	21.60	21.71	21.54	22.90
100	QPSK	135	69	21.72	21.82	21.64	22.90
100	QPSK	135	138	21.70	21.82	21.70	22.90
100	QPSK	270	0	21.78	21.84	21.77	22.90
100	16QAM	1	1	21.58	21.73	21.61	22.90
100	64QAM	1	1	21.79	21.90	21.78	22.90
100	256QAM	1	1	21.70	21.78	21.72	22.90
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.79	21.85	21.74	22.90
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.85	21.92	21.86	22.90
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.86	21.79	21.84	22.90
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.78	21.85	21.82	22.90
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.81	21.92	21.76	22.90
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.80	21.84	21.76	22.90
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.85	21.90	21.82	22.90
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	21.83	21.81	21.78	22.90
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.88	21.79	21.75	22.90
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.81	21.87	21.79	22.90
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.86	21.83	21.81	22.90

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_DSI 12】

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		12.15		13.00
100	PI/2 BPSK	1	137		12.11		13.00
100	PI/2 BPSK	1	271		12.01		13.00
100	PI/2 BPSK	135	0		12.08		13.00
100	PI/2 BPSK	135	69		12.13		13.00
100	PI/2 BPSK	135	138		12.07		13.00
100	PI/2 BPSK	270	0		12.11		13.00
100	QPSK	1	1		12.01		13.00
100	QPSK	1	137		12.07		13.00
100	QPSK	1	271		12.08		13.00
100	QPSK	135	0		12.03		13.00
100	QPSK	135	69		12.06		13.00
100	QPSK	135	138		12.08		13.00
100	QPSK	270	0		12.06		13.00
100	16QAM	1	1		12.11		13.00
100	64QAM	1	1		12.11		13.00
100	256QAM	1	1		12.12		13.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	12.11	12.09	12.05	13.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	12.07	12.00	11.91	13.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	11.98	11.97	12.02	13.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	12.02	12.01	11.91	13.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	12.03	11.95	12.04	13.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	12.08	12.05	11.97	13.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	12.00	12.00	12.03	13.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	11.99	12.07	11.98	13.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	12.00	11.96	12.03	13.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	12.02	12.01	12.00	13.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	11.99	12.02	12.03	13.00

【FR1 n77 (27Q)_FCC_Part 27Q (3700~3980MHz)_HPUE_Ant 8_DSI 12】

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	12.23	12.25	12.21	13.00
100	PI/2 BPSK	1	137	12.17	12.17	12.10	13.00
100	PI/2 BPSK	1	271	12.11	12.22	12.10	13.00
100	PI/2 BPSK	135	0	12.09	12.21	12.07	13.00
100	PI/2 BPSK	135	69	12.11	12.23	12.15	13.00
100	PI/2 BPSK	135	138	12.10	12.16	12.17	13.00
100	PI/2 BPSK	270	0	12.19	12.21	12.09	13.00
100	QPSK	1	1	12.12	12.15	12.09	13.00
100	QPSK	1	137	12.10	12.14	12.16	13.00
100	QPSK	1	271	12.13	12.10	12.18	13.00



100	QPSK	135	0	12.20	12.14	12.17	13.00
100	QPSK	135	69	12.08	12.14	12.12	13.00
100	QPSK	135	138	12.12	12.19	12.11	13.00
100	QPSK	270	0	12.17	12.11	12.13	13.00
100	16QAM	1	1	12.09	12.11	12.12	13.00
100	64QAM	1	1	12.10	12.14	12.10	13.00
100	256QAM	1	1	12.14	12.19	12.10	13.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	12.09	12.22	12.08	13.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	12.14	12.21	12.08	13.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	12.09	12.15	12.11	13.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	12.20	12.21	12.14	13.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	12.15	12.12	12.15	13.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	12.21	12.11	12.13	13.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	12.16	12.20	12.13	13.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	12.12	12.17	12.18	13.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	12.20	12.14	12.16	13.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	12.20	12.22	12.12	13.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	12.18	12.20	12.18	13.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_DSI 7】

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		20.88		21.90
100	PI/2 BPSK	1	137		20.71		21.90
100	PI/2 BPSK	1	271		20.81		21.90
100	PI/2 BPSK	135	0		20.79		21.90
100	PI/2 BPSK	135	69		20.85		21.90
100	PI/2 BPSK	135	138		20.80		21.90
100	PI/2 BPSK	270	0		20.82		21.90
100	QPSK	1	1		20.71		21.90
100	QPSK	1	137		20.65		21.90
100	QPSK	1	271		20.68		21.90
100	QPSK	135	0		20.63		21.90
100	QPSK	135	69		20.68		21.90
100	QPSK	135	138		20.83		21.90
100	QPSK	270	0		20.68		21.90
100	16QAM	1	1		20.65		21.90
100	64QAM	1	1		20.78		21.90
100	256QAM	1	1		20.72		21.90
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.70	20.67	20.64	21.90
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.66	20.60	20.50	21.90
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.60	20.59	20.55	21.90
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



60	PI/2 BPSK	1	1	20.57	20.54	20.56	21.90
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.60	20.65	20.61	21.90
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.66	20.63	20.61	21.90
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.67	20.55	20.59	21.90
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.67	20.65	20.61	21.90
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.67	20.61	20.60	21.90
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.62	20.61	20.51	21.90
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.69	20.61	20.58	21.90

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 8_DSI 7】

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	20.91	20.98	20.96	21.90
100	PI/2 BPSK	1	137	20.72	20.87	20.84	21.90
100	PI/2 BPSK	1	271	20.67	20.81	20.66	21.90
100	PI/2 BPSK	135	0	20.53	20.71	20.61	21.90
100	PI/2 BPSK	135	69	20.95	20.97	20.92	21.90
100	PI/2 BPSK	135	138	20.59	20.75	20.64	21.90
100	PI/2 BPSK	270	0	20.75	20.92	20.85	21.90
100	QPSK	1	1	20.65	20.80	20.74	21.90
100	QPSK	1	137	20.64	20.77	20.67	21.90
100	QPSK	1	271	20.74	20.89	20.80	21.90
100	QPSK	135	0	20.54	20.70	20.63	21.90
100	QPSK	135	69	20.61	20.80	20.65	21.90
100	QPSK	135	138	20.68	20.78	20.75	21.90
100	QPSK	270	0	20.55	20.73	20.65	21.90
100	16QAM	1	1	20.51	20.71	20.55	21.90
100	64QAM	1	1	20.58	20.73	20.64	21.90
100	256QAM	1	1	20.69	20.81	20.70	21.90
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.88	20.86	20.95	21.90
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.84	20.86	20.84	21.90
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.79	20.95	20.93	21.90
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.86	20.93	20.86	21.90
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.77	20.95	20.88	21.90
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.88	20.90	20.93	21.90
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	20.89	20.96	20.92	21.90
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	20.77	20.88	20.92	21.90
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.89	20.89	20.88	21.90
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	



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15	PI/2 BPSK	1	1	20.86	20.91	20.88	21.90
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	20.86	20.90	20.83	21.90

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_DSI 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		24.58		24.90
100	PI/2 BPSK	1	137		24.55		24.90
100	PI/2 BPSK	1	271		24.54		24.90
100	PI/2 BPSK	135	0		24.46		24.90
100	PI/2 BPSK	135	69		24.57		24.90
100	PI/2 BPSK	135	138		24.52		24.90
100	PI/2 BPSK	270	0		24.46		24.90
100	QPSK	1	1		24.48		24.90
100	QPSK	1	137		24.44		24.90
100	QPSK	1	271		24.44		24.90
100	QPSK	135	0		24.47		24.90
100	QPSK	135	69		24.53		24.90
100	QPSK	135	138		24.51		24.90
100	QPSK	270	0		24.53		24.90
100	16QAM	1	1		24.54		24.90
100	64QAM	1	1		24.49		24.90
100	256QAM	1	1		23.49		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.51	24.46	24.41	24.90
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	24.44	24.39	24.32	24.90
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.40	24.32	24.39	24.90
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.41	24.37	24.32	24.90
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	24.38	24.33	24.28	24.90
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	24.45	24.40	24.28	24.90
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	24.43	24.42	24.31	24.90
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	24.37	24.32	24.28	24.90
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	24.44	24.35	24.31	24.90
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	24.42	24.34	24.34	24.90
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.45	24.43	24.37	24.90

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 8_DSI 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	24.58	24.61	24.57	24.90
100	PI/2 BPSK	1	137	24.47	24.54	24.47	24.90
100	PI/2 BPSK	1	271	24.47	24.53	24.46	24.90
100	PI/2 BPSK	135	0	24.46	24.53	24.51	24.90
100	PI/2 BPSK	135	69	24.45	24.59	24.48	24.90
100	PI/2 BPSK	135	138	24.53	24.54	24.51	24.90
100	PI/2 BPSK	270	0	24.47	24.48	24.44	24.90
100	QPSK	1	1	24.54	24.51	24.54	24.90
100	QPSK	1	137	24.49	24.54	24.46	24.90
100	QPSK	1	271	24.50	24.52	24.46	24.90
100	QPSK	135	0	24.52	24.50	24.44	24.90
100	QPSK	135	69	24.49	24.56	24.45	24.90
100	QPSK	135	138	24.49	24.56	24.49	24.90
100	QPSK	270	0	24.46	24.50	24.53	24.90
100	16QAM	1	1	24.44	24.52	24.52	24.90
100	64QAM	1	1	24.46	24.52	24.43	24.90
100	256QAM	1	1	23.71	23.70	23.65	24.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.47	24.59	24.46	24.90
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.47	24.51	24.44	24.90
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.51	24.52	24.50	24.90
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.56	24.47	24.51	24.90
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.50	24.51	24.45	24.90
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.51	24.46	24.45	24.90
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	24.50	24.60	24.48	24.90
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	24.49	24.56	24.43	24.90
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.50	24.49	24.49	24.90
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.48	24.56	24.50	24.90
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.52	24.53	24.50	24.90

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.52		24.00
100	PI/2 BPSK	1	137		22.26		24.00
100	PI/2 BPSK	1	271		22.38		24.00
100	PI/2 BPSK	135	0		22.22		24.00
100	PI/2 BPSK	135	69		22.43		24.00
100	PI/2 BPSK	135	138		22.11		24.00
100	PI/2 BPSK	270	0		22.39		24.00
100	QPSK	1	1		22.34		24.00
100	QPSK	1	137		22.49		24.00
100	QPSK	1	271		22.19		24.00



100	QPSK	135	0		22.25		24.00
100	QPSK	135	69		22.05		24.00
100	QPSK	135	138		22.06		24.00
100	QPSK	270	0		22.13		24.00
100	16QAM	1	1		22.08		24.00
100	64QAM	1	1		22.13		22.50
100	256QAM	1	1		21.31		22.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	22.41	22.46	22.49	24.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	22.31	22.33	22.47	24.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	22.28	22.41	22.39	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	22.33	22.40	22.39	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	22.34	22.34	22.45	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	22.27	22.38	22.45	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	22.31	22.37	22.46	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	22.27	22.40	22.44	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	22.30	22.41	22.46	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	22.39	22.35	22.34	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	22.32	22.41	22.47	24.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 2_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.62		24.00
100	PI/2 BPSK	1	137		22.42		24.00
100	PI/2 BPSK	1	271		22.58		24.00
100	PI/2 BPSK	135	0		22.61		24.00
100	PI/2 BPSK	135	69		22.49		24.00
100	PI/2 BPSK	135	138		22.55		24.00
100	PI/2 BPSK	270	0		22.58		24.00
100	QPSK	1	1		22.59		24.00
100	QPSK	1	137		22.45		24.00
100	QPSK	1	271		22.61		24.00
100	QPSK	135	0		22.58		24.00
100	QPSK	135	69		22.38		24.00
100	QPSK	135	138		22.43		24.00
100	QPSK	270	0		22.46		24.00
100	16QAM	1	1		22.57		24.00
100	64QAM	1	1		22.55		24.00
100	256QAM	1	1		21.76		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	22.55	22.60	22.57	24.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	22.46	22.49	22.54	24.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	22.45	22.50	22.54	24.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)



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60	PI/2 BPSK	1	1	22.42	22.50	22.52	24.00
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.43	22.56	22.47	24.00
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.45	22.49	22.53	24.00
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	22.46	22.45	22.55	24.00
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	22.53	22.46	22.44	24.00
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	22.45	22.48	22.52	24.00
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.43	22.57	22.54	24.00
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.52	22.56	22.49	24.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_Full Power】

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		25.73		27.00
100	PI/2 BPSK	1	137		25.36		27.00
100	PI/2 BPSK	1	271		25.51		27.00
100	PI/2 BPSK	135	0		25.42		26.50
100	PI/2 BPSK	135	69		25.34		27.00
100	PI/2 BPSK	135	138		25.29		26.50
100	PI/2 BPSK	270	0		25.28		26.50
100	QPSK	1	1		25.52		27.00
100	QPSK	1	137		25.17		27.00
100	QPSK	1	271		25.41		27.00
100	QPSK	135	0		25.33		26.00
100	QPSK	135	69		25.23		27.00
100	QPSK	135	138		25.19		26.00
100	QPSK	270	0		25.33		26.00
100	16QAM	1	1		25.44		26.00
100	64QAM	1	1		23.82		24.50
100	256QAM	1	1		21.21		22.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.70	25.66	25.62	27.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.62	25.64	25.60	27.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.65	25.64	25.61	27.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.65	25.57	25.57	27.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.65	25.52	25.57	27.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.67	25.52	25.53	27.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.62	25.61	25.60	27.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.59	25.54	25.47	27.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.59	25.62	25.53	27.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	



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15	PI/2 BPSK	1	1	25.60	25.63	25.48	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.63	25.60	25.61	27.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 2_Full Power】

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		25.75		27.00
100	PI/2 BPSK	1	137		25.64		27.00
100	PI/2 BPSK	1	271		25.63		27.00
100	PI/2 BPSK	135	0		25.54		26.50
100	PI/2 BPSK	135	69		25.71		27.00
100	PI/2 BPSK	135	138		25.51		26.50
100	PI/2 BPSK	270	0		25.69		26.50
100	QPSK	1	1		25.72		27.00
100	QPSK	1	137		25.47		27.00
100	QPSK	1	271		25.68		27.00
100	QPSK	135	0		25.61		26.00
100	QPSK	135	69		25.48		27.00
100	QPSK	135	138		25.52		26.00
100	QPSK	270	0		25.58		26.00
100	16QAM	1	1		25.54		26.00
100	64QAM	1	1		24.09		24.50
100	256QAM	1	1		21.38		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.71	25.70	25.66	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.59	25.57	25.52	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.60	25.61	25.59	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.57	25.60	25.62	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.59	25.56	25.53	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.62	25.61	25.57	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.61	25.55	25.65	27.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.59	25.64	25.52	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.67	25.68	25.51	27.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.65	25.62	25.63	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.57	25.57	25.57	27.00



【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 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		22.52		24.00
100	PI/2 BPSK	1	137		22.26		24.00
100	PI/2 BPSK	1	271		22.38		24.00
100	PI/2 BPSK	135	0		22.22		24.00
100	PI/2 BPSK	135	69		22.43		24.00
100	PI/2 BPSK	135	138		22.11		24.00
100	PI/2 BPSK	270	0		22.39		24.00
100	QPSK	1	1		22.34		24.00
100	QPSK	1	137		22.49		24.00
100	QPSK	1	271		22.19		24.00
100	QPSK	135	0		22.25		24.00
100	QPSK	135	69		22.05		24.00
100	QPSK	135	138		22.06		24.00
100	QPSK	270	0		22.13		24.00
100	16QAM	1	1		22.08		24.00
100	64QAM	1	1		22.13		22.50
100	256QAM	1	1		21.31		22.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	22.41	22.46	22.49	24.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	22.31	22.33	22.47	24.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	22.28	22.41	22.39	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	22.33	22.40	22.39	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	22.34	22.34	22.45	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	22.27	22.38	22.45	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	22.31	22.37	22.46	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	22.27	22.40	22.44	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	22.30	22.41	22.46	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	22.39	22.35	22.34	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	22.32	22.41	22.47	24.00

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_Ant 2_DSI 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		22.62		24.00
100	PI/2 BPSK	1	137		22.42		24.00
100	PI/2 BPSK	1	271		22.58		24.00
100	PI/2 BPSK	135	0		22.61		24.00
100	PI/2 BPSK	135	69		22.49		24.00
100	PI/2 BPSK	135	138		22.55		24.00
100	PI/2 BPSK	270	0		22.58		24.00
100	QPSK	1	1		22.59		24.00
100	QPSK	1	137		22.45		24.00
100	QPSK	1	271		22.61		24.00



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100	QPSK	135	0		22.58		24.00
100	QPSK	135	69		22.38		24.00
100	QPSK	135	138		22.43		24.00
100	QPSK	270	0		22.46		24.00
100	16QAM	1	1		22.57		24.00
100	64QAM	1	1		22.55		24.00
100	256QAM	1	1		21.76		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	22.55	22.60	22.57	24.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	22.46	22.49	22.54	24.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	22.45	22.50	22.54	24.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	22.42	22.50	22.52	24.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	22.43	22.56	22.47	24.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	22.45	22.49	22.53	24.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	22.46	22.45	22.55	24.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	22.53	22.46	22.44	24.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	22.45	22.48	22.52	24.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	22.43	22.57	22.54	24.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	22.52	22.56	22.49	24.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 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		18.74		19.50
100	PI/2 BPSK	1	137		18.38		19.50
100	PI/2 BPSK	1	271		18.39		19.50
100	PI/2 BPSK	135	0		18.49		19.50
100	PI/2 BPSK	135	69		18.71		19.50
100	PI/2 BPSK	135	138		18.33		19.50
100	PI/2 BPSK	270	0		18.64		19.50
100	QPSK	1	1		18.52		19.50
100	QPSK	1	137		18.39		19.50
100	QPSK	1	271		18.52		19.50
100	QPSK	135	0		18.46		19.50
100	QPSK	135	69		18.52		19.50
100	QPSK	135	138		18.36		19.50
100	QPSK	270	0		18.39		19.50
100	16QAM	1	1		18.35		19.50
100	64QAM	1	1		18.52		19.50
100	256QAM	1	1		18.53		19.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.68	18.71	18.62	19.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.57	18.64	18.55	19.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.60	18.62	18.59	19.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



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60	PI/2 BPSK	1	1	18.54	18.63	18.51	19.50
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.54	18.66	18.61	19.50
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.63	18.66	18.51	19.50
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.60	18.69	18.60	19.50
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.58	18.70	18.60	19.50
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.65	18.65	18.56	19.50
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.62	18.64	18.58	19.50
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.62	18.66	18.60	19.50

【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 2_DSI 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		18.67		19.50
100	PI/2 BPSK	1	137		18.62		19.50
100	PI/2 BPSK	1	271		18.56		19.50
100	PI/2 BPSK	135	0		18.63		19.50
100	PI/2 BPSK	135	69		18.65		19.50
100	PI/2 BPSK	135	138		18.55		19.50
100	PI/2 BPSK	270	0		18.61		19.50
100	QPSK	1	1		18.48		19.50
100	QPSK	1	137		18.58		19.50
100	QPSK	1	271		18.56		19.50
100	QPSK	135	0		18.44		19.50
100	QPSK	135	69		18.55		19.50
100	QPSK	135	138		18.43		19.50
100	QPSK	270	0		18.62		19.50
100	16QAM	1	1		18.49		19.50
100	64QAM	1	1		18.40		19.50
100	256QAM	1	1		18.56		19.50
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.62	18.50	18.47	19.50
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.48	18.44	18.40	19.50
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.60	18.47	18.42	19.50
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.60	18.46	18.39	19.50
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.49	18.43	18.40	19.50
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.49	18.43	18.36	19.50
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	18.60	18.44	18.34	19.50
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	18.57	18.46	18.34	19.50
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.57	18.49	18.32	19.50
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	



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15	PI/2 BPSK	1	1	18.54	18.43	18.35	19.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	18.61	18.49	18.36	19.50

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 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		20.55		21.90
100	PI/2 BPSK	1	137		20.32		21.90
100	PI/2 BPSK	1	271		20.51		21.90
100	PI/2 BPSK	135	0		20.40		21.90
100	PI/2 BPSK	135	69		20.48		21.90
100	PI/2 BPSK	135	138		20.35		21.90
100	PI/2 BPSK	270	0		20.46		21.90
100	QPSK	1	1		20.39		21.90
100	QPSK	1	137		20.49		21.90
100	QPSK	1	271		20.50		21.90
100	QPSK	135	0		20.45		21.90
100	QPSK	135	69		20.32		21.90
100	QPSK	135	138		20.43		21.90
100	QPSK	270	0		20.46		21.90
100	16QAM	1	1		20.53		21.90
100	64QAM	1	1		20.53		21.90
100	256QAM	1	1		20.32		21.90
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.47	20.52	20.49	21.90
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.42	20.49	20.42	21.90
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.43	20.38	20.44	21.90
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.39	20.50	20.40	21.90
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.33	20.37	20.39	21.90
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.38	20.43	20.43	21.90
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.44	20.50	20.47	21.90
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.39	20.42	20.45	21.90
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.38	20.38	20.41	21.90
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.46	20.51	20.46	21.90
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.45	20.50	20.45	21.90

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 2_DSI 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		20.64		21.90
100	PI/2 BPSK	1	137		20.59		21.90
100	PI/2 BPSK	1	271		20.62		21.90
100	PI/2 BPSK	135	0		20.55		21.90
100	PI/2 BPSK	135	69		20.63		21.90
100	PI/2 BPSK	135	138		20.58		21.90
100	PI/2 BPSK	270	0		20.60		21.90
100	QPSK	1	1		20.48		21.90
100	QPSK	1	137		20.46		21.90
100	QPSK	1	271		20.58		21.90
100	QPSK	135	0		20.59		21.90
100	QPSK	135	69		20.63		21.90
100	QPSK	135	138		20.61		21.90
100	QPSK	270	0		20.53		21.90
100	16QAM	1	1		20.59		21.90
100	64QAM	1	1		20.51		21.90
100	256QAM	1	1		20.43		21.90
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.47	20.63	20.55	21.90
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.44	20.50	20.47	21.90
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.35	20.56	20.40	21.90
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.40	20.59	20.40	21.90
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.40	20.55	20.47	21.90
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.33	20.56	20.51	21.90
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.39	20.57	20.51	21.90
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.38	20.61	20.47	21.90
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.43	20.62	20.46	21.90
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.41	20.58	20.42	21.90
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.37	20.49	20.49	21.90

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 12】

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		10.10		11.40
100	PI/2 BPSK	1	137		9.98		11.40
100	PI/2 BPSK	1	271		10.06		11.40
100	PI/2 BPSK	135	0		9.99		11.40
100	PI/2 BPSK	135	69		10.08		11.40
100	PI/2 BPSK	135	138		9.97		11.40
100	PI/2 BPSK	270	0		10.04		11.40
100	QPSK	1	1		10.00		11.40
100	QPSK	1	137		9.99		11.40
100	QPSK	1	271		9.99		11.40



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100	QPSK	135	0		10.00		11.40
100	QPSK	135	69		10.02		11.40
100	QPSK	135	138		9.96		11.40
100	QPSK	270	0		9.99		11.40
100	16QAM	1	1		10.00		11.40
100	64QAM	1	1		9.96		11.40
100	256QAM	1	1		9.95		11.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	10.08	10.09	10.08	11.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	9.98	10.00	10.05	11.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	10.01	10.02	10.07	11.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	10.03	9.95	9.96	11.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	10.03	9.94	10.06	11.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	9.94	10.03	9.95	11.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	9.98	10.00	10.03	11.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	10.01	9.98	10.07	11.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	10.01	10.06	9.96	11.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	9.95	9.95	9.95	11.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	9.96	10.02	10.05	11.40

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 2_DSI 12】

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		10.05		11.40
100	PI/2 BPSK	1	137		9.93		11.40
100	PI/2 BPSK	1	271		9.94		11.40
100	PI/2 BPSK	135	0		10.01		11.40
100	PI/2 BPSK	135	69		10.03		11.40
100	PI/2 BPSK	135	138		9.98		11.40
100	PI/2 BPSK	270	0		9.91		11.40
100	QPSK	1	1		9.97		11.40
100	QPSK	1	137		9.99		11.40
100	QPSK	1	271		10.01		11.40
100	QPSK	135	0		9.90		11.40
100	QPSK	135	69		9.97		11.40
100	QPSK	135	138		10.01		11.40
100	QPSK	270	0		10.00		11.40
100	16QAM	1	1		9.97		11.40
100	64QAM	1	1		9.91		11.40
100	256QAM	1	1		9.96		11.40
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	10.02	10.03	10.04	11.40
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	10.01	9.97	9.96	11.40
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	9.98	9.94	10.02	11.40
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)



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60	PI/2 BPSK	1	1	9.94	9.93	9.91	11.40
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	9.98	9.95	9.91	11.40
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.97	9.96	9.90	11.40
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	9.93	9.91	10.02	11.40
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	9.93	9.98	9.93	11.40
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	10.01	10.00	9.99	11.40
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	9.88	9.90	9.97	11.40
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.96	9.98	9.93	11.40

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 7】

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		17.04		18.40
100	PI/2 BPSK	1	137		17.02		18.40
100	PI/2 BPSK	1	271		17.00		18.40
100	PI/2 BPSK	135	0		17.00		18.40
100	PI/2 BPSK	135	69		17.02		18.40
100	PI/2 BPSK	135	138		17.00		18.40
100	PI/2 BPSK	270	0		17.00		18.40
100	QPSK	1	1		16.86		18.40
100	QPSK	1	137		16.83		18.40
100	QPSK	1	271		17.00		18.40
100	QPSK	135	0		16.99		18.40
100	QPSK	135	69		17.01		18.40
100	QPSK	135	138		16.83		18.40
100	QPSK	270	0		17.01		18.40
100	16QAM	1	1		16.85		18.40
100	64QAM	1	1		16.85		18.40
100	256QAM	1	1		16.84		18.40
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.99	16.95	16.92	18.40
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.86	16.90	16.85	18.40
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.93	16.89	16.91	18.40
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.92	16.82	16.91	18.40
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.96	16.90	16.84	18.40
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.95	16.90	16.90	18.40
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.89	16.93	16.88	18.40
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.87	16.94	16.80	18.40
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.93	16.90	16.79	18.40
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	



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15	PI/2 BPSK	1	1	16.95	16.86	16.89	18.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.84	16.80	16.82	18.40

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 2_DSI 7】

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		17.15		18.40
100	PI/2 BPSK	1	137		17.13		18.40
100	PI/2 BPSK	1	271		17.05		18.40
100	PI/2 BPSK	135	0		17.11		18.40
100	PI/2 BPSK	135	69		17.13		18.40
100	PI/2 BPSK	135	138		17.11		18.40
100	PI/2 BPSK	270	0		17.05		18.40
100	QPSK	1	1		17.07		18.40
100	QPSK	1	137		17.04		18.40
100	QPSK	1	271		16.90		18.40
100	QPSK	135	0		17.01		18.40
100	QPSK	135	69		16.98		18.40
100	QPSK	135	138		17.01		18.40
100	QPSK	270	0		16.95		18.40
100	16QAM	1	1		17.06		18.40
100	64QAM	1	1		16.94		18.40
100	256QAM	1	1		17.04		18.40
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.11	17.11	17.03	18.40
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.01	17.02	16.95	18.40
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	16.99	17.09	16.92	18.40
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.00	17.04	16.97	18.40
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	16.98	17.01	16.88	18.40
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.05	17.08	17.00	18.40
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.97	16.97	17.01	18.40
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	16.97	17.00	16.97	18.40
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.07	16.99	16.90	18.40
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.01	16.97	16.99	18.40
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.03	17.08	16.95	18.40



【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 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		22.52		24.00
100	PI/2 BPSK	1	137		22.26		24.00
100	PI/2 BPSK	1	271		22.38		24.00
100	PI/2 BPSK	135	0		22.22		24.00
100	PI/2 BPSK	135	69		22.43		24.00
100	PI/2 BPSK	135	138		22.11		24.00
100	PI/2 BPSK	270	0		22.39		24.00
100	QPSK	1	1		22.34		24.00
100	QPSK	1	137		22.49		24.00
100	QPSK	1	271		22.19		24.00
100	QPSK	135	0		22.25		24.00
100	QPSK	135	69		22.05		24.00
100	QPSK	135	138		22.06		24.00
100	QPSK	270	0		22.13		24.00
100	16QAM	1	1		22.08		24.00
100	64QAM	1	1		22.13		22.50
100	256QAM	1	1		21.31		22.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.41	22.46	22.49	24.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.31	22.33	22.47	24.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.28	22.41	22.39	24.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.33	22.40	22.39	24.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.34	22.34	22.45	24.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.27	22.38	22.45	24.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.31	22.37	22.46	24.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.27	22.40	22.44	24.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.30	22.41	22.46	24.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.39	22.35	22.34	24.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.32	22.41	22.47	24.00

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_Ant 2_DSI 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		22.62		24.00
100	PI/2 BPSK	1	137		22.42		24.00
100	PI/2 BPSK	1	271		22.58		24.00
100	PI/2 BPSK	135	0		22.61		24.00
100	PI/2 BPSK	135	69		22.49		24.00
100	PI/2 BPSK	135	138		22.55		24.00
100	PI/2 BPSK	270	0		22.58		24.00
100	QPSK	1	1		22.59		24.00
100	QPSK	1	137		22.45		24.00
100	QPSK	1	271		22.61		24.00



100	QPSK	135	0		22.58		24.00
100	QPSK	135	69		22.38		24.00
100	QPSK	135	138		22.43		24.00
100	QPSK	270	0		22.46		24.00
100	16QAM	1	1		22.57		24.00
100	64QAM	1	1		22.55		24.00
100	256QAM	1	1		21.76		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	22.55	22.60	22.57	24.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	22.46	22.49	22.54	24.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	22.45	22.50	22.54	24.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	22.42	22.50	22.52	24.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	22.43	22.56	22.47	24.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	22.45	22.49	22.53	24.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	22.46	22.45	22.55	24.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	22.53	22.46	22.44	24.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	22.45	22.48	22.52	24.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	22.43	22.57	22.54	24.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	22.52	22.56	22.49	24.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 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		25.73		27.00
100	PI/2 BPSK	1	137		25.36		27.00
100	PI/2 BPSK	1	271		25.51		27.00
100	PI/2 BPSK	135	0		25.42		26.50
100	PI/2 BPSK	135	69		25.34		27.00
100	PI/2 BPSK	135	138		25.29		26.50
100	PI/2 BPSK	270	0		25.28		26.50
100	QPSK	1	1		25.52		27.00
100	QPSK	1	137		25.17		27.00
100	QPSK	1	271		25.41		27.00
100	QPSK	135	0		25.33		26.00
100	QPSK	135	69		25.23		27.00
100	QPSK	135	138		25.19		26.00
100	QPSK	270	0		25.33		26.00
100	16QAM	1	1		25.44		26.00
100	64QAM	1	1		23.82		24.50
100	256QAM	1	1		21.21		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.70	25.66	25.62	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.62	25.64	25.60	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.65	25.64	25.61	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



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60	PI/2 BPSK	1	1	25.65	25.57	25.57	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.65	25.52	25.57	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.67	25.52	25.53	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.62	25.61	25.60	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.59	25.54	25.47	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.59	25.62	25.53	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.60	25.63	25.48	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.63	25.60	25.61	27.00

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_HPUE_Ant 2_DSI 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		25.75		27.00
100	PI/2 BPSK	1	137		25.64		27.00
100	PI/2 BPSK	1	271		25.63		27.00
100	PI/2 BPSK	135	0		25.54		26.50
100	PI/2 BPSK	135	69		25.71		27.00
100	PI/2 BPSK	135	138		25.51		26.50
100	PI/2 BPSK	270	0		25.69		26.50
100	QPSK	1	1		25.72		27.00
100	QPSK	1	137		25.47		27.00
100	QPSK	1	271		25.68		27.00
100	QPSK	135	0		25.61		26.00
100	QPSK	135	69		25.48		27.00
100	QPSK	135	138		25.52		26.00
100	QPSK	270	0		25.58		26.00
100	16QAM	1	1		25.54		26.00
100	64QAM	1	1		24.09		24.50
100	256QAM	1	1		21.38		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.71	25.70	25.66	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.59	25.57	25.52	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.60	25.61	25.59	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.57	25.60	25.62	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.59	25.56	25.53	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.62	25.61	25.57	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.61	25.55	25.65	27.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.59	25.64	25.52	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.67	25.68	25.51	27.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)



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15	PI/2 BPSK	1	1	25.65	25.62	25.63	27.00
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.57	25.57	25.57	27.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 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		21.75		22.50
100	PI/2 BPSK	1	137		21.58		22.50
100	PI/2 BPSK	1	271		21.69		22.50
100	PI/2 BPSK	135	0		21.61		22.50
100	PI/2 BPSK	135	69		21.73		22.50
100	PI/2 BPSK	135	138		21.73		22.50
100	PI/2 BPSK	270	0		21.71		22.50
100	QPSK	1	1		21.63		22.50
100	QPSK	1	137		21.61		22.50
100	QPSK	1	271		21.72		22.50
100	QPSK	135	0		21.62		22.50
100	QPSK	135	69		21.66		22.50
100	QPSK	135	138		21.60		22.50
100	QPSK	270	0		21.52		22.50
100	16QAM	1	1		21.62		22.50
100	64QAM	1	1		21.71		22.50
100	256QAM	1	1		21.21		22.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.69	21.73	21.70	22.50
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.54	21.62	21.57	22.50
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.55	21.63	21.57	22.50
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.55	21.61	21.67	22.50
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.64	21.68	21.69	22.50
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.56	21.66	21.69	22.50
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.61	21.69	21.67	22.50
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.61	21.60	21.63	22.50
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.67	21.60	21.56	22.50
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.61	21.62	21.56	22.50
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.63	21.70	21.67	22.50

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_HPUE_Ant 2_DSI 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		21.77		22.50
100	PI/2 BPSK	1	137		21.63		22.50
100	PI/2 BPSK	1	271		21.59		22.50



100	PI/2 BPSK	135	0		21.61		22.50
100	PI/2 BPSK	135	69		21.75		22.50
100	PI/2 BPSK	135	138		21.72		22.50
100	PI/2 BPSK	270	0		21.73		22.50
100	QPSK	1	1		21.58		22.50
100	QPSK	1	137		21.57		22.50
100	QPSK	1	271		21.76		22.50
100	QPSK	135	0		21.54		22.50
100	QPSK	135	69		21.52		22.50
100	QPSK	135	138		21.63		22.50
100	QPSK	270	0		21.59		22.50
100	16QAM	1	1		21.70		22.50
100	64QAM	1	1		21.70		22.50
100	256QAM	1	1		21.38		22.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	21.75	21.54	21.43	22.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	21.66	21.50	21.40	22.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	21.66	21.48	21.28	22.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	21.69	21.42	21.35	22.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	21.62	21.51	21.40	22.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	21.63	21.41	21.38	22.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	21.64	21.45	21.28	22.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	21.61	21.52	21.32	22.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	21.63	21.43	21.28	22.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	21.73	21.52	21.35	22.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	21.71	21.48	21.29	22.50

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 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		23.74		24.90
100	PI/2 BPSK	1	137		23.68		24.90
100	PI/2 BPSK	1	271		23.64		24.90
100	PI/2 BPSK	135	0		23.68		24.90
100	PI/2 BPSK	135	69		23.74		24.90
100	PI/2 BPSK	135	138		23.51		24.90
100	PI/2 BPSK	270	0		23.67		24.90
100	QPSK	1	1		23.56		24.90
100	QPSK	1	137		23.72		24.90
100	QPSK	1	271		23.62		24.90
100	QPSK	135	0		23.51		24.90
100	QPSK	135	69		23.74		24.90
100	QPSK	135	138		23.67		24.90
100	QPSK	270	0		23.53		24.90
100	16QAM	1	1		23.65		24.90
100	64QAM	1	1		23.71		24.30
100	256QAM	1	1		21.21		22.30
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.65	23.70	23.68	24.90
Channel				632668	633332	634000	Tune-up limit



Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.56	23.65	23.56	24.90
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.63	23.59	23.61	24.90
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.63	23.63	23.61	24.90
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.53	23.69	23.65	24.90
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.53	23.63	23.60	24.90
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.64	23.67	23.63	24.90
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.63	23.68	23.54	24.90
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.51	23.56	23.54	24.90
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.55	23.64	23.66	24.90
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.51	23.59	23.60	24.90

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 2_DSI 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		23.77		24.90
100	PI/2 BPSK	1	137		23.53		24.90
100	PI/2 BPSK	1	271		23.75		24.90
100	PI/2 BPSK	135	0		23.67		24.90
100	PI/2 BPSK	135	69		23.69		24.90
100	PI/2 BPSK	135	138		23.66		24.90
100	PI/2 BPSK	270	0		23.73		24.90
100	QPSK	1	1		23.68		24.90
100	QPSK	1	137		23.67		24.90
100	QPSK	1	271		23.67		24.90
100	QPSK	135	0		23.60		24.90
100	QPSK	135	69		23.73		24.90
100	QPSK	135	138		23.62		24.90
100	QPSK	270	0		23.59		24.90
100	16QAM	1	1		23.57		24.90
100	64QAM	1	1		23.25		24.50
100	256QAM	1	1		21.38		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.76	23.66	23.53	24.90
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.72	23.53	23.47	24.90
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.67	23.52	23.42	24.90
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.74	23.57	23.52	24.90
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.71	23.59	23.51	24.90
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.66	23.53	23.50	24.90
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.63	23.63	23.49	24.90
Channel				647500	650000	652500	Tune-up limit



	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.72	23.60	23.48	24.90
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.62	23.54	23.49	24.90
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.64	23.54	23.47	24.90
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.69	23.63	23.50	24.90

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 12】

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		13.20		14.40
100	PI/2 BPSK	1	137		13.14		14.40
100	PI/2 BPSK	1	271		13.06		14.40
100	PI/2 BPSK	135	0		13.06		14.40
100	PI/2 BPSK	135	69		13.19		14.40
100	PI/2 BPSK	135	138		13.10		14.40
100	PI/2 BPSK	270	0		13.07		14.40
100	QPSK	1	1		13.05		14.40
100	QPSK	1	137		13.12		14.40
100	QPSK	1	271		13.06		14.40
100	QPSK	135	0		13.06		14.40
100	QPSK	135	69		13.08		14.40
100	QPSK	135	138		13.15		14.40
100	QPSK	270	0		13.09		14.40
100	16QAM	1	1		13.06		14.40
100	64QAM	1	1		13.17		14.40
100	256QAM	1	1		13.13		14.40
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	13.15	13.12	13.11	14.40
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.07	13.04	13.07	14.40
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.04	13.09	13.09	14.40
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.07	13.10	13.04	14.40
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	13.08	13.05	12.98	14.40
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.01	13.10	13.10	14.40
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.01	13.00	12.99	14.40
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	13.06	13.09	13.02	14.40
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.05	13.10	13.10	14.40
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	13.13	13.02	13.03	14.40
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.01	12.99	13.03	14.40

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 2_DSI 12】

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		13.21		14.40
100	PI/2 BPSK	1	137		13.10		14.40
100	PI/2 BPSK	1	271		13.08		14.40
100	PI/2 BPSK	135	0		13.16		14.40
100	PI/2 BPSK	135	69		13.18		14.40
100	PI/2 BPSK	135	138		13.08		14.40
100	PI/2 BPSK	270	0		13.06		14.40
100	QPSK	1	1		13.17		14.40
100	QPSK	1	137		13.11		14.40
100	QPSK	1	271		13.06		14.40
100	QPSK	135	0		13.16		14.40
100	QPSK	135	69		13.13		14.40
100	QPSK	135	138		13.07		14.40
100	QPSK	270	0		13.15		14.40
100	16QAM	1	1		13.11		14.40
100	64QAM	1	1		13.10		14.40
100	256QAM	1	1		13.05		14.40
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	13.15	13.11	13.12	14.40
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	13.09	13.06	13.04	14.40
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	13.02	12.97	13.03	14.40
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	13.08	13.05	13.00	14.40
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	13.12	13.02	13.04	14.40
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	13.10	13.00	12.98	14.40
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	13.07	12.99	13.01	14.40
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	13.07	13.09	13.03	14.40
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	13.01	13.06	13.01	14.40
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	13.08	13.04	12.99	14.40
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	13.01	13.10	13.00	14.40

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 7】

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		20.23		21.40
100	PI/2 BPSK	1	137		20.11		21.40
100	PI/2 BPSK	1	271		20.17		21.40
100	PI/2 BPSK	135	0		20.12		21.40
100	PI/2 BPSK	135	69		20.21		21.40
100	PI/2 BPSK	135	138		20.11		21.40
100	PI/2 BPSK	270	0		20.18		21.40
100	QPSK	1	1		20.05		21.40
100	QPSK	1	137		20.17		21.40
100	QPSK	1	271		20.15		21.40



100	QPSK	135	0		20.02		21.40
100	QPSK	135	69		20.21		21.40
100	QPSK	135	138		20.05		21.40
100	QPSK	270	0		20.08		21.40
100	16QAM	1	1		20.13		21.40
100	64QAM	1	1		20.01		21.40
100	256QAM	1	1		20.09		21.40
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.19	20.16	20.11	21.40
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.15	20.14	20.02	21.40
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.14	20.12	20.07	21.40
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.15	20.03	20.09	21.40
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.16	20.01	20.00	21.40
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.05	20.10	20.00	21.40
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.09	20.11	20.08	21.40
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.08	20.02	20.03	21.40
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.11	20.02	20.06	21.40
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.14	20.14	20.04	21.40
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.18	20.13	20.02	21.40

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 2_DSI 7】

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		20.30		21.40
100	PI/2 BPSK	1	137		20.02		21.40
100	PI/2 BPSK	1	271		20.13		21.40
100	PI/2 BPSK	135	0		20.28		21.40
100	PI/2 BPSK	135	69		20.26		21.40
100	PI/2 BPSK	135	138		20.16		21.40
100	PI/2 BPSK	270	0		20.22		21.40
100	QPSK	1	1		20.20		21.40
100	QPSK	1	137		20.13		21.40
100	QPSK	1	271		20.29		21.40
100	QPSK	135	0		20.16		21.40
100	QPSK	135	69		20.12		21.40
100	QPSK	135	138		20.23		21.40
100	QPSK	270	0		20.26		21.40
100	16QAM	1	1		20.04		21.40
100	64QAM	1	1		20.13		21.40
100	256QAM	1	1		20.10		21.40
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.15	20.08	20.16	21.40
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.11	20.03	20.08	21.40
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.06	20.05	20.13	21.40
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)



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60	PI/2 BPSK	1	1	20.03	20.05	20.11	21.40
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.02	19.97	20.15	21.40
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.13	20.04	20.08	21.40
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.11	20.06	20.08	21.40
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.07	19.98	20.08	21.40
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.04	19.98	20.11	21.40
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.07	19.98	20.05	21.40
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.09	19.93	20.11	21.40

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 2_DSI 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		25.73		27.00
100	PI/2 BPSK	1	137		25.36		27.00
100	PI/2 BPSK	1	271		25.51		27.00
100	PI/2 BPSK	135	0		25.42		26.50
100	PI/2 BPSK	135	69		25.34		27.00
100	PI/2 BPSK	135	138		25.29		26.50
100	PI/2 BPSK	270	0		25.28		26.50
100	QPSK	1	1		25.52		27.00
100	QPSK	1	137		25.17		27.00
100	QPSK	1	271		25.41		27.00
100	QPSK	135	0		25.33		26.00
100	QPSK	135	69		25.23		27.00
100	QPSK	135	138		25.19		26.00
100	QPSK	270	0		25.33		26.00
100	16QAM	1	1		25.44		26.00
100	64QAM	1	1		23.82		24.50
100	256QAM	1	1		21.21		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.70	25.66	25.62	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.62	25.64	25.60	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.65	25.64	25.61	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.65	25.57	25.57	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.65	25.52	25.57	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.67	25.52	25.53	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.62	25.61	25.60	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.59	25.54	25.47	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.59	25.62	25.53	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)



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15	PI/2 BPSK	1	1	25.60	25.63	25.48	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.63	25.60	25.61	27.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 2_DSI 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		25.75		27.00
100	PI/2 BPSK	1	137		25.64		27.00
100	PI/2 BPSK	1	271		25.63		27.00
100	PI/2 BPSK	135	0		25.54		26.50
100	PI/2 BPSK	135	69		25.71		27.00
100	PI/2 BPSK	135	138		25.51		26.50
100	PI/2 BPSK	270	0		25.69		26.50
100	QPSK	1	1		25.72		27.00
100	QPSK	1	137		25.47		27.00
100	QPSK	1	271		25.68		27.00
100	QPSK	135	0		25.61		26.00
100	QPSK	135	69		25.48		27.00
100	QPSK	135	138		25.52		26.00
100	QPSK	270	0		25.58		26.00
100	16QAM	1	1		25.54		26.00
100	64QAM	1	1		24.09		24.50
100	256QAM	1	1		21.38		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.71	25.70	25.66	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.59	25.57	25.52	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.60	25.61	25.59	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.57	25.60	25.62	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.59	25.56	25.53	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.62	25.61	25.57	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.61	25.55	25.65	27.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.59	25.64	25.52	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.67	25.68	25.51	27.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.65	25.62	25.63	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.57	25.57	25.57	27.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_Full Power】

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		23.27		24.00
100	PI/2 BPSK	1	137		22.87		24.00
100	PI/2 BPSK	1	271		22.99		24.00



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100	PI/2 BPSK	135	0		23.15		24.00
100	PI/2 BPSK	135	69		23.20		24.00
100	PI/2 BPSK	135	138		22.97		24.00
100	PI/2 BPSK	270	0		23.16		24.00
100	QPSK	1	1		23.26		24.00
100	QPSK	1	137		22.86		24.00
100	QPSK	1	271		23.04		24.00
100	QPSK	135	0		23.03		24.00
100	QPSK	135	69		22.81		24.00
100	QPSK	135	138		22.87		24.00
100	QPSK	270	0		23.03		24.00
100	16QAM	1	1		23.21		24.00
100	64QAM	1	1		23.20		24.00
100	256QAM	1	1		22.40		23.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.18	23.22	23.16	24.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.16	23.17	23.11	24.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.06	23.16	23.05	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.08	23.20	23.06	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.16	23.13	23.04	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.13	23.09	23.02	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.13	23.11	23.06	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.15	23.20	23.13	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.11	23.10	23.04	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.11	23.10	23.10	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.08	23.11	23.08	24.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 4_Full Power】

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		23.18		24.00
100	PI/2 BPSK	1	137		23.03		24.00
100	PI/2 BPSK	1	271		23.16		24.00
100	PI/2 BPSK	135	0		23.07		24.00
100	PI/2 BPSK	135	69		23.14		24.00
100	PI/2 BPSK	135	138		23.10		24.00
100	PI/2 BPSK	270	0		23.13		24.00
100	QPSK	1	1		23.15		24.00
100	QPSK	1	137		23.04		24.00
100	QPSK	1	271		23.05		24.00
100	QPSK	135	0		23.05		24.00
100	QPSK	135	69		23.02		24.00
100	QPSK	135	138		23.05		24.00
100	QPSK	270	0		23.14		24.00
100	16QAM	1	1		23.06		24.00
100	64QAM	1	1		23.10		24.00
100	256QAM	1	1		22.28		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.11	23.15	23.09	24.00
Channel				649334	650000	650666	Tune-up limit



80	Frequency (MHz)	3740.01	3750	3759.99	(dBm)
	PI/2 BPSK	23.04	23.00	23.06	24.00
	Channel	649000	650000	651000	Tune-up limit
	Frequency (MHz)	3735	3750	3765	(dBm)
70	PI/2 BPSK	23.05	23.10	22.98	24.00
	Channel	648668	650000	651332	Tune-up limit
	Frequency (MHz)	3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	22.99	23.01	22.99	24.00
	Channel	648334	650000	651666	Tune-up limit
	Frequency (MHz)	3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	22.96	23.07	22.95	24.00
	Channel	648000	650000	652000	Tune-up limit
	Frequency (MHz)	3720	3750	3780	(dBm)
40	PI/2 BPSK	23.05	23.07	22.94	24.00
	Channel	647668	650000	652332	Tune-up limit
	Frequency (MHz)	3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	22.97	23.01	22.97	24.00
	Channel	647500	650000	652500	Tune-up limit
	Frequency (MHz)	3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	23.00	23.08	23.02	24.00
	Channel	647334	650000	652666	Tune-up limit
	Frequency (MHz)	3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	23.04	23.09	23.04	24.00
	Channel	647168	650000	652832	Tune-up limit
	Frequency (MHz)	3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	22.99	23.09	22.98	24.00
	Channel	647000	650000	653000	Tune-up limit
	Frequency (MHz)	3705	3750	3795	(dBm)
10	PI/2 BPSK	23.03	23.04	23.08	24.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
	Channel				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		26.24		27.00
100	PI/2 BPSK	1	137		25.93		27.00
100	PI/2 BPSK	1	271		26.01		27.00
100	PI/2 BPSK	135	0		26.05		27.00
100	PI/2 BPSK	135	69		26.16		27.00
100	PI/2 BPSK	135	138		25.89		27.00
100	PI/2 BPSK	270	0		26.03		27.00
100	QPSK	1	1		26.22		27.00
100	QPSK	1	137		25.82		27.00
100	QPSK	1	271		26.00		27.00
100	QPSK	135	0		26.05		27.00
100	QPSK	135	69		25.85		27.00
100	QPSK	135	138		25.88		27.00
100	QPSK	270	0		25.99		27.00
100	16QAM	1	1		26.10		27.00
100	64QAM	1	1		24.61		26.00
100	256QAM	1	1		22.32		24.00
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.17	26.20	26.15	27.00
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.07	26.11	26.05	27.00
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.08	26.08	26.08	27.00
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	26.10	26.08	26.05	27.00
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.12	26.12	26.13	27.00
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	26.13	26.14	26.10	27.00
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.13	26.10	26.08	27.00
	Channel			630834	633332	635832	Tune-up limit

	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.03	26.18	26.03	27.00
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	26.12	26.18	26.06	27.00
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	26.08	26.09	26.04	27.00
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.11	26.12	26.07	27.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 4_Full Power】

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		26.23		27.00
100	PI/2 BPSK	1	137		26.05		27.00
100	PI/2 BPSK	1	271		26.16		27.00
100	PI/2 BPSK	135	0		26.03		27.00
100	PI/2 BPSK	135	69		26.19		27.00
100	PI/2 BPSK	135	138		26.02		27.00
100	PI/2 BPSK	270	0		26.15		27.00
100	QPSK	1	1		26.12		27.00
100	QPSK	1	137		25.88		27.00
100	QPSK	1	271		26.12		27.00
100	QPSK	135	0		25.97		27.00
100	QPSK	135	69		25.95		27.00
100	QPSK	135	138		26.03		27.00
100	QPSK	270	0		26.00		27.00
100	16QAM	1	1		26.14		27.00
100	64QAM	1	1		24.83		26.00
100	256QAM	1	1		22.86		24.00
	Channel			649668	650000	650332	Tune-up limit
	Frequency (MHz)			3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	26.17	26.19	26.14	27.00
	Channel			649334	650000	650666	Tune-up limit
	Frequency (MHz)			3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	26.16	26.05	26.00	27.00
	Channel			649000	650000	651000	Tune-up limit
	Frequency (MHz)			3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	26.08	26.06	26.11	27.00
	Channel			648668	650000	651332	Tune-up limit
	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	26.08	26.08	26.08	27.00
	Channel			648334	650000	651666	Tune-up limit
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	26.07	26.17	26.12	27.00
	Channel			648000	650000	652000	Tune-up limit
	Frequency (MHz)			3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	26.15	26.07	26.08	27.00
	Channel			647668	650000	652332	Tune-up limit
	Frequency (MHz)			3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	26.08	26.05	26.01	27.00
	Channel			647500	650000	652500	Tune-up limit
	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	26.06	26.06	26.10	27.00
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	26.03	26.07	26.05	27.00
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	26.14	26.05	26.00	27.00
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	26.03	26.05	26.07	27.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 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		23.27		24.00
100	PI/2 BPSK	1	137		22.87		24.00
100	PI/2 BPSK	1	271		22.99		24.00
100	PI/2 BPSK	135	0		23.15		24.00
100	PI/2 BPSK	135	69		23.20		24.00
100	PI/2 BPSK	135	138		22.97		24.00
100	PI/2 BPSK	270	0		23.16		24.00
100	QPSK	1	1		23.26		24.00
100	QPSK	1	137		22.86		24.00
100	QPSK	1	271		23.04		24.00
100	QPSK	135	0		23.03		24.00
100	QPSK	135	69		22.81		24.00
100	QPSK	135	138		22.87		24.00
100	QPSK	270	0		23.03		24.00
100	16QAM	1	1		23.21		24.00
100	64QAM	1	1		23.20		24.00
100	256QAM	1	1		22.40		23.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.18	23.22	23.16	24.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.16	23.17	23.11	24.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.06	23.16	23.05	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.08	23.20	23.06	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.16	23.13	23.04	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.13	23.09	23.02	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.13	23.11	23.06	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.15	23.20	23.13	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.11	23.10	23.04	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.11	23.10	23.10	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.08	23.11	23.08	24.00

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_Ant 4_DSI 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		23.18		24.00
100	PI/2 BPSK	1	137		23.03		24.00
100	PI/2 BPSK	1	271		23.16		24.00
100	PI/2 BPSK	135	0		23.07		24.00
100	PI/2 BPSK	135	69		23.14		24.00
100	PI/2 BPSK	135	138		23.10		24.00
100	PI/2 BPSK	270	0		23.13		24.00
100	QPSK	1	1		23.15		24.00
100	QPSK	1	137		23.04		24.00
100	QPSK	1	271		23.05		24.00



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100	QPSK	135	0		23.05		24.00
100	QPSK	135	69		23.02		24.00
100	QPSK	135	138		23.05		24.00
100	QPSK	270	0		23.14		24.00
100	16QAM	1	1		23.06		24.00
100	64QAM	1	1		23.10		24.00
100	256QAM	1	1		22.28		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.11	23.15	23.09	24.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.04	23.00	23.06	24.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.05	23.10	22.98	24.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	22.99	23.01	22.99	24.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	22.96	23.07	22.95	24.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.05	23.07	22.94	24.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	22.97	23.01	22.97	24.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.00	23.08	23.02	24.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.04	23.09	23.04	24.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	22.99	23.09	22.98	24.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.03	23.04	23.08	24.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 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		19.18		20.20
100	PI/2 BPSK	1	137		19.03		20.20
100	PI/2 BPSK	1	271		19.14		20.20
100	PI/2 BPSK	135	0		18.95		20.20
100	PI/2 BPSK	135	69		19.15		20.20
100	PI/2 BPSK	135	138		19.11		20.20
100	PI/2 BPSK	270	0		19.13		20.20
100	QPSK	1	1		19.12		20.20
100	QPSK	1	137		19.14		20.20
100	QPSK	1	271		18.96		20.20
100	QPSK	135	0		18.93		20.20
100	QPSK	135	69		19.06		20.20
100	QPSK	135	138		18.95		20.20
100	QPSK	270	0		19.03		20.20
100	16QAM	1	1		19.03		20.20
100	64QAM	1	1		19.14		20.20
100	256QAM	1	1		19.13		20.20
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	19.12	19.04	18.96	20.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.99	19.02	18.88	20.20
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	19.06	19.03	18.87	20.20
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



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60	PI/2 BPSK	1	1	19.01	18.92	18.82	20.20
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.00	18.97	18.93	20.20
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.01	18.95	18.94	20.20
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.03	18.99	18.94	20.20
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.06	18.92	18.84	20.20
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.06	18.90	18.89	20.20
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.07	19.02	18.84	20.20
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.06	18.89	18.83	20.20

【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 4_DSI 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		19.08		20.20
100	PI/2 BPSK	1	137		18.87		20.20
100	PI/2 BPSK	1	271		19.07		20.20
100	PI/2 BPSK	135	0		19.01		20.20
100	PI/2 BPSK	135	69		19.05		20.20
100	PI/2 BPSK	135	138		18.88		20.20
100	PI/2 BPSK	270	0		19.01		20.20
100	QPSK	1	1		18.88		20.20
100	QPSK	1	137		18.91		20.20
100	QPSK	1	271		19.07		20.20
100	QPSK	135	0		18.83		20.20
100	QPSK	135	69		19.06		20.20
100	QPSK	135	138		19.00		20.20
100	QPSK	270	0		18.88		20.20
100	16QAM	1	1		18.90		20.20
100	64QAM	1	1		18.85		20.20
100	256QAM	1	1		18.94		20.20
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.92	18.86	18.88	20.20
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.88	18.77	18.75	20.20
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.79	18.83	18.82	20.20
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.90	18.77	18.84	20.20
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.83	18.80	18.86	20.20
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.83	18.73	18.80	20.20
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	18.84	18.76	18.81	20.20
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	18.78	18.79	18.79	20.20
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.88	18.80	18.86	20.20
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	



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15	PI/2 BPSK	1	1	18.80	18.85	18.85	20.20
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	18.80	18.79	18.80	20.20

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 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		21.14		22.30
100	PI/2 BPSK	1	137		20.95		22.30
100	PI/2 BPSK	1	271		20.97		22.30
100	PI/2 BPSK	135	0		21.01		22.30
100	PI/2 BPSK	135	69		21.11		22.30
100	PI/2 BPSK	135	138		21.05		22.30
100	PI/2 BPSK	270	0		21.02		22.30
100	QPSK	1	1		21.10		22.30
100	QPSK	1	137		20.97		22.30
100	QPSK	1	271		21.07		22.30
100	QPSK	135	0		21.04		22.30
100	QPSK	135	69		20.92		22.30
100	QPSK	135	138		21.08		22.30
100	QPSK	270	0		21.03		22.30
100	16QAM	1	1		21.10		22.30
100	64QAM	1	1		20.98		22.30
100	256QAM	1	1		20.94		22.30
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.07	21.08	21.10	22.30
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	21.01	21.00	21.06	22.30
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.96	21.04	21.00	22.30
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.98	20.94	21.08	22.30
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.01	20.99	21.08	22.30
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.02	20.94	20.97	22.30
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.04	21.04	20.96	22.30
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.99	20.95	21.06	22.30
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	21.00	21.04	20.98	22.30
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.93	21.05	21.01	22.30
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.01	21.00	21.03	22.30

【FR1 n78 (27Q)_FCC_Part 27Q (3700~3800MHz)_Ant 4_DSI 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		21.12		22.30
100	PI/2 BPSK	1	137		21.04		22.30
100	PI/2 BPSK	1	271		21.06		22.30



100	PI/2 BPSK	135	0		20.89		22.30
100	PI/2 BPSK	135	69		21.06		22.30
100	PI/2 BPSK	135	138		20.83		22.30
100	PI/2 BPSK	270	0		21.02		22.30
100	QPSK	1	1		20.95		22.30
100	QPSK	1	137		20.97		22.30
100	QPSK	1	271		21.01		22.30
100	QPSK	135	0		21.01		22.30
100	QPSK	135	69		20.99		22.30
100	QPSK	135	138		20.86		22.30
100	QPSK	270	0		21.03		22.30
100	16QAM	1	1		20.90		22.30
100	64QAM	1	1		21.05		22.30
100	256QAM	1	1		20.86		22.30
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.93	20.92	20.96	22.30
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.87	20.84	20.84	22.30
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.86	20.86	20.89	22.30
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.88	20.90	20.87	22.30
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.81	20.85	20.94	22.30
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.84	20.84	20.93	22.30
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.86	20.88	20.89	22.30
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.88	20.81	20.90	22.30
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.86	20.77	20.92	22.30
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.85	20.83	20.81	22.30
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.89	20.81	20.85	22.30

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.85		12.80
100	PI/2 BPSK	1	137		11.78		12.80
100	PI/2 BPSK	1	271		11.78		12.80
100	PI/2 BPSK	135	0		11.78		12.80
100	PI/2 BPSK	135	69		11.84		12.80
100	PI/2 BPSK	135	138		11.80		12.80
100	PI/2 BPSK	270	0		11.71		12.80
100	QPSK	1	1		11.72		12.80
100	QPSK	1	137		11.81		12.80
100	QPSK	1	271		11.74		12.80
100	QPSK	135	0		11.76		12.80
100	QPSK	135	69		11.81		12.80
100	QPSK	135	138		11.73		12.80
100	QPSK	270	0		11.70		12.80
100	16QAM	1	1		11.73		12.80
100	64QAM	1	1		11.72		12.80
100	256QAM	1	1		11.72		11.80
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	11.81	11.83	11.82	12.80
Channel				632668	633332	634000	Tune-up limit



Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	11.71	11.73	11.80	12.80
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	11.78	11.73	11.77	12.80
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	11.73	11.81	11.74	12.80
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	11.72	11.71	11.75	12.80
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	11.79	11.72	11.79	12.80
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	11.71	11.68	11.77	12.80
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	11.70	11.79	11.79	12.80
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	11.75	11.71	11.78	12.80
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	11.70	11.77	11.74	12.80
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	11.74	11.79	11.71	12.80

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 4_DSI 12】

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		11.86		12.80
100	PI/2 BPSK	1	137		11.79		12.80
100	PI/2 BPSK	1	271		11.74		12.80
100	PI/2 BPSK	135	0		11.76		12.80
100	PI/2 BPSK	135	69		11.83		12.80
100	PI/2 BPSK	135	138		11.80		12.80
100	PI/2 BPSK	270	0		11.72		12.80
100	QPSK	1	1		11.76		12.80
100	QPSK	1	137		11.74		12.80
100	QPSK	1	271		11.82		12.80
100	QPSK	135	0		11.75		12.80
100	QPSK	135	69		11.76		12.80
100	QPSK	135	138		11.76		12.80
100	QPSK	270	0		11.76		12.80
100	16QAM	1	1		11.75		12.80
100	64QAM	1	1		11.72		12.80
100	256QAM	1	1		11.82		12.80
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	11.75	11.73	11.72	12.80
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	11.61	11.72	11.61	12.80
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	11.65	11.63	11.62	12.80
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	11.63	11.63	11.67	12.80
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	11.65	11.61	11.67	12.80
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	11.63	11.58	11.68	12.80
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	11.60	11.68	11.64	12.80
Channel				647500	650000	652500	Tune-up limit



	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	11.71	11.70	11.62	12.80
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	11.65	11.64	11.68	12.80
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	11.67	11.63	11.71	12.80
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	11.68	11.64	11.68	12.80

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
	Channel				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		19.18		20.20
100	PI/2 BPSK	1	137		19.03		20.20
100	PI/2 BPSK	1	271		19.14		20.20
100	PI/2 BPSK	135	0		18.95		20.20
100	PI/2 BPSK	135	69		19.15		20.20
100	PI/2 BPSK	135	138		19.11		20.20
100	PI/2 BPSK	270	0		19.13		20.20
100	QPSK	1	1		19.12		20.20
100	QPSK	1	137		19.14		20.20
100	QPSK	1	271		18.96		20.20
100	QPSK	135	0		18.93		20.20
100	QPSK	135	69		19.06		20.20
100	QPSK	135	138		18.95		20.20
100	QPSK	270	0		19.03		20.20
100	16QAM	1	1		19.03		20.20
100	64QAM	1	1		19.14		20.20
100	256QAM	1	1		19.13		20.20
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	19.12	19.04	18.96	20.20
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.99	19.02	18.88	20.20
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	19.06	19.03	18.87	20.20
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	19.01	18.92	18.82	20.20
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	19.00	18.97	18.93	20.20
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	19.01	18.95	18.94	20.20
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	19.03	18.99	18.94	20.20
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	19.06	18.92	18.84	20.20
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	19.06	18.90	18.89	20.20
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	19.07	19.02	18.84	20.20
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	19.06	18.89	18.83	20.20

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.08		20.20
100	PI/2 BPSK	1	137		18.87		20.20
100	PI/2 BPSK	1	271		19.07		20.20
100	PI/2 BPSK	135	0		19.01		20.20
100	PI/2 BPSK	135	69		19.05		20.20
100	PI/2 BPSK	135	138		18.88		20.20
100	PI/2 BPSK	270	0		19.01		20.20
100	QPSK	1	1		18.88		20.20
100	QPSK	1	137		18.91		20.20
100	QPSK	1	271		19.07		20.20
100	QPSK	135	0		18.83		20.20
100	QPSK	135	69		19.06		20.20
100	QPSK	135	138		19.00		20.20
100	QPSK	270	0		18.88		20.20
100	16QAM	1	1		18.90		20.20
100	64QAM	1	1		18.85		20.20
100	256QAM	1	1		18.94		20.20
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.92	18.86	18.88	20.20
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.88	18.77	18.75	20.20
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.79	18.83	18.82	20.20
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.90	18.77	18.84	20.20
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.83	18.80	18.86	20.20
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.83	18.73	18.80	20.20
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	18.84	18.76	18.81	20.20
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	18.78	18.79	18.79	20.20
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.88	18.80	18.86	20.20
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.80	18.85	18.85	20.20
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	18.80	18.79	18.80	20.20

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 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		23.27		24.00
100	PI/2 BPSK	1	137		22.87		24.00
100	PI/2 BPSK	1	271		22.99		24.00
100	PI/2 BPSK	135	0		23.15		24.00
100	PI/2 BPSK	135	69		23.20		24.00
100	PI/2 BPSK	135	138		22.97		24.00
100	PI/2 BPSK	270	0		23.16		24.00
100	QPSK	1	1		23.26		24.00
100	QPSK	1	137		22.86		24.00
100	QPSK	1	271		23.04		24.00



100	QPSK	135	0		23.03		24.00
100	QPSK	135	69		22.81		24.00
100	QPSK	135	138		22.87		24.00
100	QPSK	270	0		23.03		24.00
100	16QAM	1	1		23.21		24.00
100	64QAM	1	1		23.20		24.00
100	256QAM	1	1		22.40		23.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.18	23.22	23.16	24.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.16	23.17	23.11	24.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.06	23.16	23.05	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.08	23.20	23.06	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.16	23.13	23.04	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.13	23.09	23.02	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.13	23.11	23.06	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.15	23.20	23.13	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.11	23.10	23.04	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.11	23.10	23.10	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.08	23.11	23.08	24.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 4_DSI 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		23.18		24.00
100	PI/2 BPSK	1	137		23.03		24.00
100	PI/2 BPSK	1	271		23.16		24.00
100	PI/2 BPSK	135	0		23.07		24.00
100	PI/2 BPSK	135	69		23.14		24.00
100	PI/2 BPSK	135	138		23.10		24.00
100	PI/2 BPSK	270	0		23.13		24.00
100	QPSK	1	1		23.15		24.00
100	QPSK	1	137		23.04		24.00
100	QPSK	1	271		23.05		24.00
100	QPSK	135	0		23.05		24.00
100	QPSK	135	69		23.02		24.00
100	QPSK	135	138		23.05		24.00
100	QPSK	270	0		23.14		24.00
100	16QAM	1	1		23.06		24.00
100	64QAM	1	1		23.10		24.00
100	256QAM	1	1		22.28		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.11	23.15	23.09	24.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.04	23.00	23.06	24.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.05	23.10	22.98	24.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)



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60	PI/2 BPSK	1	1	22.99	23.01	22.99	24.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	22.96	23.07	22.95	24.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.05	23.07	22.94	24.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	22.97	23.01	22.97	24.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.00	23.08	23.02	24.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.04	23.09	23.04	24.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	22.99	23.09	22.98	24.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.03	23.04	23.08	24.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_DSI 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		26.24		27.00
100	PI/2 BPSK	1	137		25.93		27.00
100	PI/2 BPSK	1	271		26.01		27.00
100	PI/2 BPSK	135	0		26.05		27.00
100	PI/2 BPSK	135	69		26.16		27.00
100	PI/2 BPSK	135	138		25.89		27.00
100	PI/2 BPSK	270	0		26.03		27.00
100	QPSK	1	1		26.22		27.00
100	QPSK	1	137		25.82		27.00
100	QPSK	1	271		26.00		27.00
100	QPSK	135	0		26.05		27.00
100	QPSK	135	69		25.85		27.00
100	QPSK	135	138		25.88		27.00
100	QPSK	270	0		25.99		27.00
100	16QAM	1	1		26.10		27.00
100	64QAM	1	1		24.61		26.00
100	256QAM	1	1		22.32		24.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.17	26.20	26.15	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.07	26.11	26.05	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.08	26.08	26.08	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	26.10	26.08	26.05	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.12	26.12	26.13	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	26.13	26.14	26.10	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.13	26.10	26.08	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.03	26.18	26.03	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	26.12	26.18	26.06	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)



15	PI/2 BPSK	1	1	26.08	26.09	26.04	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.11	26.12	26.07	27.00

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_HPUE_Ant 4_DSI 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		26.23		27.00
100	PI/2 BPSK	1	137		26.05		27.00
100	PI/2 BPSK	1	271		26.16		27.00
100	PI/2 BPSK	135	0		26.03		27.00
100	PI/2 BPSK	135	69		26.19		27.00
100	PI/2 BPSK	135	138		26.02		27.00
100	PI/2 BPSK	270	0		26.15		27.00
100	QPSK	1	1		26.12		27.00
100	QPSK	1	137		25.88		27.00
100	QPSK	1	271		26.12		27.00
100	QPSK	135	0		25.97		27.00
100	QPSK	135	69		25.95		27.00
100	QPSK	135	138		26.03		27.00
100	QPSK	270	0		26.00		27.00
100	16QAM	1	1		26.14		27.00
100	64QAM	1	1		24.83		26.00
100	256QAM	1	1		22.86		24.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	26.17	26.19	26.14	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	26.16	26.05	26.00	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	26.08	26.06	26.11	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	26.08	26.08	26.08	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	26.07	26.17	26.12	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	26.15	26.07	26.08	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	26.08	26.05	26.01	27.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	26.06	26.06	26.10	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	26.03	26.07	26.05	27.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	26.14	26.05	26.00	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	26.03	26.05	26.07	27.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_DSI 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		22.16		23.20
100	PI/2 BPSK	1	137		22.09		23.20
100	PI/2 BPSK	1	271		21.93		23.20



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100	PI/2 BPSK	135	0		22.08		23.20
100	PI/2 BPSK	135	69		22.14		23.20
100	PI/2 BPSK	135	138		22.06		23.20
100	PI/2 BPSK	270	0		22.09		23.20
100	QPSK	1	1		21.96		23.20
100	QPSK	1	137		21.90		23.20
100	QPSK	1	271		22.02		23.20
100	QPSK	135	0		21.98		23.20
100	QPSK	135	69		22.09		23.20
100	QPSK	135	138		21.94		23.20
100	QPSK	270	0		22.04		23.20
100	16QAM	1	1		21.98		23.20
100	64QAM	1	1		21.90		23.20
100	256QAM	1	1		22.32		23.20
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.89	21.90	22.04	23.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	21.83	21.83	21.93	23.20
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.85	21.80	21.96	23.20
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	21.75	21.80	21.96	23.20
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.75	21.81	21.91	23.20
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.84	21.77	21.95	23.20
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.79	21.87	21.98	23.20
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	21.85	21.77	21.90	23.20
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	21.85	21.87	22.00	23.20
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	21.86	21.87	21.96	23.20
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.78	21.81	22.02	23.20

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 4_DSI 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		22.17		23.20
100	PI/2 BPSK	1	137		22.07		23.20
100	PI/2 BPSK	1	271		22.09		23.20
100	PI/2 BPSK	135	0		21.96		23.20
100	PI/2 BPSK	135	69		22.15		23.20
100	PI/2 BPSK	135	138		22.12		23.20
100	PI/2 BPSK	270	0		22.10		23.20
100	QPSK	1	1		21.89		23.20
100	QPSK	1	137		21.89		23.20
100	QPSK	1	271		22.08		23.20
100	QPSK	135	0		21.95		23.20
100	QPSK	135	69		22.02		23.20
100	QPSK	135	138		22.11		23.20
100	QPSK	270	0		21.90		23.20
100	16QAM	1	1		21.99		23.20
100	64QAM	1	1		21.94		23.20
100	256QAM	1	1		22.07		23.20
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	22.03	22.00	21.89	23.20
Channel				649334	650000	650666	Tune-up limit



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80	PI/2 BPSK	1	1	Frequency (MHz)	3740.01	3750	3759.99	(dBm)
				Channel	21.90	21.98	21.85	23.20
				Frequency (MHz)	649000	650000	651000	Tune-up limit (dBm)
70	PI/2 BPSK	1	1	Channel	3735	3750	3765	(dBm)
				Frequency (MHz)	22.01	21.90	21.85	23.20
				Channel	648668	650000	651332	Tune-up limit (dBm)
60	PI/2 BPSK	1	1	Frequency (MHz)	3730.02	3750	3769.98	(dBm)
				Channel	21.95	21.87	21.81	23.20
				Frequency (MHz)	648334	650000	651666	Tune-up limit (dBm)
50	PI/2 BPSK	1	1	Channel	3725.01	3750	3774.99	(dBm)
				Frequency (MHz)	21.90	21.90	21.87	23.20
				Channel	648000	650000	652000	Tune-up limit (dBm)
40	PI/2 BPSK	1	1	Frequency (MHz)	3720	3750	3780	(dBm)
				Channel	22.00	21.91	21.84	23.20
				Frequency (MHz)	647668	650000	652332	Tune-up limit (dBm)
30	PI/2 BPSK	1	1	Channel	3715.02	3750	3784.98	(dBm)
				Frequency (MHz)	21.92	21.90	21.82	23.20
				Channel	647500	650000	652500	Tune-up limit (dBm)
25	PI/2 BPSK	1	1	Frequency (MHz)	3712.5	3750	3787.5	(dBm)
				Channel	21.88	21.98	21.76	23.20
				Frequency (MHz)	647334	650000	652666	Tune-up limit (dBm)
20	PI/2 BPSK	1	1	Channel	3710.01	3750	3789.99	(dBm)
				Frequency (MHz)	21.88	21.91	21.87	23.20
				Channel	647168	650000	652832	Tune-up limit (dBm)
15	PI/2 BPSK	1	1	Frequency (MHz)	3707.52	3750	3792.48	(dBm)
				Channel	21.93	21.89	21.82	23.20
				Frequency (MHz)	647000	650000	653000	Tune-up limit (dBm)
10	PI/2 BPSK	1	1	Channel	3705	3750	3795	(dBm)
				Frequency (MHz)	21.98	21.91	21.86	23.20

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
					633332		
					3499.98		
100	PI/2 BPSK	1	1		24.19		25.30
100	PI/2 BPSK	1	137		24.04		25.30
100	PI/2 BPSK	1	271		24.08		25.30
100	PI/2 BPSK	135	0		24.07		25.30
100	PI/2 BPSK	135	69		24.15		25.30
100	PI/2 BPSK	135	138		24.00		25.30
100	PI/2 BPSK	270	0		24.11		25.30
100	QPSK	1	1		23.94		25.30
100	QPSK	1	137		24.12		25.30
100	QPSK	1	271		24.01		25.30
100	QPSK	135	0		24.12		25.30
100	QPSK	135	69		23.97		25.30
100	QPSK	135	138		24.05		25.30
100	QPSK	270	0		24.08		25.30
100	16QAM	1	1		23.98		25.30
100	64QAM	1	1		23.94		25.30
100	256QAM	1	1		22.32		24.00
				633000	633332	633666	Tune-up limit (dBm)
				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.92	23.96	24.13	25.30
				632668	633332	634000	Tune-up limit (dBm)
				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.85	23.85	24.07	25.30
				632334	633332	634332	Tune-up limit (dBm)
				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.85	23.87	24.12	25.30
				632000	633332	634666	Tune-up limit (dBm)
				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.82	23.82	24.01	25.30
				631668	633332	635000	Tune-up limit (dBm)
				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.81	23.87	23.98	25.30
				631334	633332	635332	Tune-up limit (dBm)
				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.80	23.92	24.06	25.30
				631000	633332	635666	Tune-up limit (dBm)
				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.85	23.88	24.05	25.30
				630834	633332	635832	Tune-up limit

	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.78	23.85	24.10	25.30
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.79	23.85	24.07	25.30
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.89	23.90	24.03	25.30
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.86	23.82	24.08	25.30

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 4_DSI 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		24.12		25.30
100	PI/2 BPSK	1	137		23.96		25.30
100	PI/2 BPSK	1	271		24.04		25.30
100	PI/2 BPSK	135	0		24.06		25.30
100	PI/2 BPSK	135	69		24.10		25.30
100	PI/2 BPSK	135	138		23.95		25.30
100	PI/2 BPSK	270	0		24.03		25.30
100	QPSK	1	1		23.91		25.30
100	QPSK	1	137		23.90		25.30
100	QPSK	1	271		23.91		25.30
100	QPSK	135	0		24.11		25.30
100	QPSK	135	69		24.08		25.30
100	QPSK	135	138		23.89		25.30
100	QPSK	270	0		23.97		25.30
100	16QAM	1	1		23.98		25.30
100	64QAM	1	1		23.97		25.30
100	256QAM	1	1		22.86		24.00
	Channel			649668	650000	650332	Tune-up limit
	Frequency (MHz)			3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.93	24.05	23.92	25.30
	Channel			649334	650000	650666	Tune-up limit
	Frequency (MHz)			3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.89	23.98	23.78	25.30
	Channel			649000	650000	651000	Tune-up limit
	Frequency (MHz)			3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.90	24.02	23.79	25.30
	Channel			648668	650000	651332	Tune-up limit
	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.86	23.95	23.80	25.30
	Channel			648334	650000	651666	Tune-up limit
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.91	24.03	23.90	25.30
	Channel			648000	650000	652000	Tune-up limit
	Frequency (MHz)			3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.88	23.95	23.79	25.30
	Channel			647668	650000	652332	Tune-up limit
	Frequency (MHz)			3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.82	24.04	23.87	25.30
	Channel			647500	650000	652500	Tune-up limit
	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.82	23.96	23.77	25.30
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.83	23.97	23.89	25.30
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.90	24.02	23.90	25.30
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.89	23.96	23.81	25.30

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_DSI 12】

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		14.81		15.80
100	PI/2 BPSK	1	137		14.68		15.80
100	PI/2 BPSK	1	271		14.78		15.80
100	PI/2 BPSK	135	0		14.67		15.80
100	PI/2 BPSK	135	69		14.79		15.80
100	PI/2 BPSK	135	138		14.68		15.80
100	PI/2 BPSK	270	0		14.71		15.80
100	QPSK	1	1		14.72		15.80
100	QPSK	1	137		14.71		15.80
100	QPSK	1	271		14.75		15.80
100	QPSK	135	0		14.73		15.80
100	QPSK	135	69		14.76		15.80
100	QPSK	135	138		14.71		15.80
100	QPSK	270	0		14.74		15.80
100	16QAM	1	1		14.77		15.80
100	64QAM	1	1		14.75		15.80
100	256QAM	1	1		14.67		15.80
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.78	14.75	14.73	15.80
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.76	14.72	14.64	15.80
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.68	14.69	14.63	15.80
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.71	14.64	14.60	15.80
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.75	14.63	14.62	15.80
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.66	14.71	14.66	15.80
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.76	14.63	14.66	15.80
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	14.66	14.71	14.69	15.80
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.69	14.71	14.71	15.80
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.66	14.72	14.62	15.80
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.64	14.74	14.62	15.80

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_HPUE_Ant 4_DSI 12】

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		14.75		15.80
100	PI/2 BPSK	1	137		14.62		15.80
100	PI/2 BPSK	1	271		14.68		15.80
100	PI/2 BPSK	135	0		14.63		15.80
100	PI/2 BPSK	135	69		14.74		15.80
100	PI/2 BPSK	135	138		14.65		15.80
100	PI/2 BPSK	270	0		14.63		15.80
100	QPSK	1	1		14.62		15.80
100	QPSK	1	137		14.64		15.80
100	QPSK	1	271		14.69		15.80



100	QPSK	135	0		14.65		15.80
100	QPSK	135	69		14.63		15.80
100	QPSK	135	138		14.68		15.80
100	QPSK	270	0		14.68		15.80
100	16QAM	1	1		14.61		15.80
100	64QAM	1	1		14.63		15.80
100	256QAM	1	1		14.61		15.80
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.68	14.65	14.63	15.80
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.62	14.55	14.59	15.80
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.63	14.51	14.58	15.80
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.63	14.56	14.48	15.80
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.58	14.55	14.48	15.80
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	14.54	14.55	14.60	15.80
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.61	14.63	14.54	15.80
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	14.65	14.62	14.58	15.80
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	14.59	14.57	14.61	15.80
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	14.65	14.53	14.50	15.80
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	14.61	14.52	14.56	15.80

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.16		23.20
100	PI/2 BPSK	1	137		22.09		23.20
100	PI/2 BPSK	1	271		21.93		23.20
100	PI/2 BPSK	135	0		22.08		23.20
100	PI/2 BPSK	135	69		22.14		23.20
100	PI/2 BPSK	135	138		22.06		23.20
100	PI/2 BPSK	270	0		22.09		23.20
100	QPSK	1	1		21.96		23.20
100	QPSK	1	137		21.90		23.20
100	QPSK	1	271		22.02		23.20
100	QPSK	135	0		21.98		23.20
100	QPSK	135	69		22.09		23.20
100	QPSK	135	138		21.94		23.20
100	QPSK	270	0		22.04		23.20
100	16QAM	1	1		21.98		23.20
100	64QAM	1	1		21.90		23.20
100	256QAM	1	1		22.32		23.20
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.89	21.90	22.04	23.20
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	21.83	21.83	21.93	23.20
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.85	21.80	21.96	23.20
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



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60	PI/2 BPSK	1	1	21.75	21.80	21.96	23.20
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.75	21.81	21.91	23.20
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.84	21.77	21.95	23.20
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.79	21.87	21.98	23.20
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	21.85	21.77	21.90	23.20
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	21.85	21.87	22.00	23.20
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	21.86	21.87	21.96	23.20
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.78	21.81	22.02	23.20

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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					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.17		23.20
100	PI/2 BPSK	1	137		22.07		23.20
100	PI/2 BPSK	1	271		22.09		23.20
100	PI/2 BPSK	135	0		21.96		23.20
100	PI/2 BPSK	135	69		22.15		23.20
100	PI/2 BPSK	135	138		22.12		23.20
100	PI/2 BPSK	270	0		22.10		23.20
100	QPSK	1	1		21.89		23.20
100	QPSK	1	137		21.89		23.20
100	QPSK	1	271		22.08		23.20
100	QPSK	135	0		21.95		23.20
100	QPSK	135	69		22.02		23.20
100	QPSK	135	138		22.11		23.20
100	QPSK	270	0		21.90		23.20
100	16QAM	1	1		21.99		23.20
100	64QAM	1	1		21.94		23.20
100	256QAM	1	1		22.07		23.20
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	22.03	22.00	21.89	23.20
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	21.90	21.98	21.85	23.20
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	22.01	21.90	21.85	23.20
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	21.95	21.87	21.81	23.20
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	21.90	21.90	21.87	23.20
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	22.00	21.91	21.84	23.20
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	21.92	21.90	21.82	23.20
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	21.88	21.98	21.76	23.20
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	21.88	21.91	21.87	23.20
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)