



FCC SAR Test Report

Report No. : FA5D2207

100	QPSK	135	0		24.83		25.50
100	QPSK	135	69		25.76		26.50
100	QPSK	135	138		24.79		25.50
100	QPSK	270	0		25.00		25.50
100	16QAM	1	1		24.90		25.50
100	64QAM	1	1		23.14		24.00
100	256QAM	1	1		21.47		22.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.80	25.82	25.73	26.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.77	25.79	25.66	26.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.70	25.74	25.67	26.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.65	25.72	25.70	26.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.72	25.71	25.71	26.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.68	25.76	25.59	26.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.73	25.72	25.64	26.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.74	25.72	25.67	26.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.71	25.74	25.66	26.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.78	25.68	25.72	26.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.75	25.75	25.72	26.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_ECI4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.88	25.93	25.75	26.50
100	PI/2 BPSK	1	137	25.65	25.85	25.54	26.50
100	PI/2 BPSK	1	271	25.65	25.80	25.61	26.50
100	PI/2 BPSK	135	0	25.47	25.53	25.31	26.00
100	PI/2 BPSK	135	69	25.73	25.90	25.69	26.50
100	PI/2 BPSK	135	138	25.28	25.40	25.09	26.00
100	PI/2 BPSK	270	0	25.29	25.49	25.17	26.00
100	QPSK	1	1	25.67	25.86	25.62	26.50
100	QPSK	1	137	25.73	25.80	25.54	26.50
100	QPSK	1	271	25.57	25.73	25.48	26.50
100	QPSK	135	0	24.95	25.05	24.75	25.50
100	QPSK	135	69	25.74	25.92	25.71	26.50
100	QPSK	135	138	24.82	24.96	24.70	25.50
100	QPSK	270	0	24.82	25.01	24.81	25.50
100	16QAM	1	1	25.01	25.09	24.83	25.50
100	64QAM	1	1	23.13	23.24	23.03	24.00
100	256QAM	1	1	21.27	21.35	21.15	22.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.85	25.79	25.70	26.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.78	25.88	25.65	26.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.76	25.78	25.64	26.50
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	25.76	25.81	25.66	26.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.75	25.81	25.64	26.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	25.75	25.92	25.61	26.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	25.77	25.81	25.67	26.50
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	25.75	25.92	25.62	26.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	25.78	25.83	25.73	26.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	25.77	25.84	25.62	26.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.84	25.82	25.72	26.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_ECI5】

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		18.69		19.00
100	PI/2 BPSK	1	137		18.63		19.00
100	PI/2 BPSK	1	271		18.62		19.00
100	PI/2 BPSK	135	0		18.58		19.00
100	PI/2 BPSK	135	69		18.65		19.00
100	PI/2 BPSK	135	138		18.62		19.00
100	PI/2 BPSK	270	0		18.55		19.00
100	QPSK	1	1		18.51		19.00
100	QPSK	1	137		18.57		19.00
100	QPSK	1	271		18.53		19.00
100	QPSK	135	0		18.51		19.00
100	QPSK	135	69		18.48		19.00
100	QPSK	135	138		18.45		19.00
100	QPSK	270	0		18.49		19.00
100	16QAM	1	1		18.55		19.00
100	64QAM	1	1		18.52		19.00
100	256QAM	1	1		18.57		19.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.52	18.57	18.56	19.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.48	18.47	18.51	19.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.41	18.46	18.48	19.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.43	18.48	18.50	19.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.41	18.46	18.43	19.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.42	18.46	18.50	19.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.41	18.47	18.42	19.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.41	18.46	18.43	19.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.38	18.45	18.45	19.00
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	18.39	18.52	18.52	19.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.45	18.48	18.51	19.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 6_EC15】

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	18.63	18.66	18.62	19.00
100	PI/2 BPSK	1	137	18.47	18.51	18.42	19.00
100	PI/2 BPSK	1	271	18.57	18.62	18.54	19.00
100	PI/2 BPSK	135	0	18.42	18.49	18.36	19.00
100	PI/2 BPSK	135	69	18.58	18.65	18.61	19.00
100	PI/2 BPSK	135	138	18.39	18.56	18.50	19.00
100	PI/2 BPSK	270	0	18.45	18.51	18.44	19.00
100	QPSK	1	1	18.46	18.58	18.40	19.00
100	QPSK	1	137	18.56	18.60	18.44	19.00
100	QPSK	1	271	18.39	18.52	18.46	19.00
100	QPSK	135	0	18.53	18.59	18.41	19.00
100	QPSK	135	69	18.43	18.59	18.52	19.00
100	QPSK	135	138	18.38	18.53	18.35	19.00
100	QPSK	270	0	18.47	18.57	18.46	19.00
100	16QAM	1	1	18.45	18.57	18.46	19.00
100	64QAM	1	1	18.48	18.64	18.45	19.00
100	256QAM	1	1	18.54	18.60	18.43	19.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.58	18.63	18.54	19.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.58	18.52	18.50	19.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.48	18.59	18.59	19.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.61	18.53	18.55	19.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.50	18.57	18.56	19.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.52	18.61	18.57	19.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	18.57	18.53	18.52	19.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	18.59	18.60	18.54	19.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.54	18.53	18.55	19.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.61	18.56	18.55	19.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.49	18.56	18.52	19.00

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

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		23.16		24.00
100	PI/2 BPSK	1	271		23.13		24.00
100	PI/2 BPSK	135	0		23.03		24.00
100	PI/2 BPSK	135	69		23.17		24.00
100	PI/2 BPSK	135	138		22.79		24.00
100	PI/2 BPSK	270	0		22.85		24.00
100	QPSK	1	1		23.22		24.00
100	QPSK	1	137		23.22		24.00
100	QPSK	1	271		23.06		24.00
100	QPSK	135	0		22.95		24.00
100	QPSK	135	69		23.15		24.00
100	QPSK	135	138		22.96		24.00
100	QPSK	270	0		23.01		24.00
100	16QAM	1	1		23.00		24.00
100	64QAM	1	1		21.69		23.00
100	256QAM	1	1		19.57		21.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.21	23.25	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	23.13	23.05	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	23.22	23.13	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.17	23.11	23.10	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.10	23.17	23.11	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.19	23.24	23.10	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.09	23.11	23.07	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.14	23.22	23.03	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.07	23.14	23.06	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.19	23.17	23.15	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.18	23.19	23.08	24.00

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

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	23.30	23.35	23.17	24.00
100	PI/2 BPSK	1	137	23.10	23.23	22.98	24.00
100	PI/2 BPSK	1	271	23.06	23.15	22.84	24.00
100	PI/2 BPSK	135	0	22.95	23.05	22.84	24.00
100	PI/2 BPSK	135	69	23.17	23.25	23.00	24.00
100	PI/2 BPSK	135	138	22.89	22.97	22.72	24.00
100	PI/2 BPSK	270	0	22.87	23.02	22.75	24.00
100	QPSK	1	1	23.16	23.31	23.04	24.00
100	QPSK	1	137	23.20	23.27	23.08	24.00
100	QPSK	1	271	23.10	23.20	22.90	24.00



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100	QPSK	135	0	22.89	23.07	22.77	24.00
100	QPSK	135	69	23.28	23.36	23.09	24.00
100	QPSK	135	138	22.86	22.96	22.71	24.00
100	QPSK	270	0	22.85	23.04	22.74	24.00
100	16QAM	1	1	23.03	23.17	22.92	24.00
100	64QAM	1	1	21.72	21.83	21.63	23.00
100	256QAM	1	1	19.64	19.78	19.58	21.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.21	23.33	23.15	24.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.24	23.29	23.02	24.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.19	23.26	23.03	24.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	23.18	23.25	23.15	24.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	23.20	23.31	23.02	24.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	23.24	23.26	23.05	24.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	23.26	23.27	23.13	24.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	23.15	23.24	23.03	24.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	23.23	23.31	23.08	24.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.20	23.30	23.07	24.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.22	23.23	23.15	24.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_ECI1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.23		17.00
100	PI/2 BPSK	1	137		15.98		17.00
100	PI/2 BPSK	1	271		16.10		17.00
100	PI/2 BPSK	135	0		15.99		17.00
100	PI/2 BPSK	135	69		16.18		17.00
100	PI/2 BPSK	135	138		16.02		17.00
100	PI/2 BPSK	270	0		16.06		17.00
100	QPSK	1	1		16.15		17.00
100	QPSK	1	137		16.16		17.00
100	QPSK	1	271		16.00		17.00
100	QPSK	135	0		16.11		17.00
100	QPSK	135	69		16.04		17.00
100	QPSK	135	138		16.04		17.00
100	QPSK	270	0		16.10		17.00
100	16QAM	1	1		16.01		17.00
100	64QAM	1	1		16.08		17.00
100	256QAM	1	1		16.11		17.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.18	16.22	16.12	17.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.11	16.16	16.08	17.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.03	16.18	16.09	17.00
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	16.04	16.11	16.04	17.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.10	16.12	16.02	17.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.11	16.10	16.00	17.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.16	16.13	16.03	17.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.16	16.15	16.06	17.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.14	16.09	16.05	17.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.07	16.15	16.04	17.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.11	16.16	16.10	17.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 7_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.19	16.25	16.17	17.00
100	PI/2 BPSK	1	137	15.82	16.02	15.82	17.00
100	PI/2 BPSK	1	271	15.86	16.05	15.88	17.00
100	PI/2 BPSK	135	0	15.88	15.99	15.90	17.00
100	PI/2 BPSK	135	69	16.16	16.20	16.11	17.00
100	PI/2 BPSK	135	138	15.81	15.94	15.76	17.00
100	PI/2 BPSK	270	0	16.12	16.14	16.10	17.00
100	QPSK	1	1	15.98	16.18	15.96	17.00
100	QPSK	1	137	16.03	16.18	16.06	17.00
100	QPSK	1	271	15.83	16.01	15.88	17.00
100	QPSK	135	0	16.03	16.14	15.92	17.00
100	QPSK	135	69	15.87	16.05	15.92	17.00
100	QPSK	135	138	15.85	16.02	15.81	17.00
100	QPSK	270	0	15.97	16.09	15.91	17.00
100	16QAM	1	1	16.00	16.07	15.84	17.00
100	64QAM	1	1	16.00	16.14	16.00	17.00
100	256QAM	1	1	15.87	16.07	15.86	17.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	16.10	16.18	16.06	17.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	16.07	16.17	16.15	17.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	16.08	16.16	16.09	17.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	16.11	16.15	16.04	17.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	16.04	16.20	16.08	17.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	16.14	16.11	16.05	17.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	16.11	16.15	16.09	17.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	16.05	16.15	16.03	17.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	16.13	16.10	16.07	17.00
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	16.08	16.15	16.15	17.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	16.17	16.21	16.10	17.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_ECI3】

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		17.60		18.50
100	PI/2 BPSK	1	137		17.44		18.50
100	PI/2 BPSK	1	271		17.45		18.50
100	PI/2 BPSK	135	0		17.52		18.50
100	PI/2 BPSK	135	69		17.60		18.50
100	PI/2 BPSK	135	138		17.38		18.50
100	PI/2 BPSK	270	0		17.54		18.50
100	QPSK	1	1		17.57		18.50
100	QPSK	1	137		17.42		18.50
100	QPSK	1	271		17.43		18.50
100	QPSK	135	0		17.48		18.50
100	QPSK	135	69		17.50		18.50
100	QPSK	135	138		17.54		18.50
100	QPSK	270	0		17.46		18.50
100	16QAM	1	1		17.53		18.50
100	64QAM	1	1		17.56		18.50
100	256QAM	1	1		17.51		18.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.49	17.52	17.42	18.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.47	17.40	17.29	18.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.45	17.37	17.29	18.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.43	17.39	17.29	18.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.43	17.46	17.32	18.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.46	17.46	17.30	18.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.41	17.50	17.34	18.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.43	17.45	17.31	18.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.41	17.40	17.28	18.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.41	17.43	17.37	18.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.34	17.50	17.30	18.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 7_EC13】

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	17.61	17.64	17.63	18.50
100	PI/2 BPSK	1	137	17.51	17.57	17.41	18.50
100	PI/2 BPSK	1	271	17.40	17.51	17.44	18.50
100	PI/2 BPSK	135	0	17.35	17.44	17.30	18.50
100	PI/2 BPSK	135	69	17.56	17.60	17.51	18.50
100	PI/2 BPSK	135	138	17.28	17.41	17.30	18.50
100	PI/2 BPSK	270	0	17.49	17.54	17.46	18.50
100	QPSK	1	1	17.59	17.63	17.50	18.50
100	QPSK	1	137	17.26	17.41	17.34	18.50
100	QPSK	1	271	17.32	17.40	17.33	18.50
100	QPSK	135	0	17.41	17.48	17.40	18.50
100	QPSK	135	69	17.33	17.44	17.30	18.50
100	QPSK	135	138	17.45	17.49	17.37	18.50
100	QPSK	270	0	17.36	17.40	17.26	18.50
100	16QAM	1	1	17.31	17.46	17.33	18.50
100	64QAM	1	1	17.39	17.48	17.42	18.50
100	256QAM	1	1	17.37	17.53	17.41	18.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.51	17.60	17.54	18.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.59	17.59	17.52	18.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.46	17.52	17.61	18.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.52	17.58	17.55	18.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.49	17.60	17.54	18.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.48	17.54	17.50	18.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	17.58	17.55	17.60	18.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	17.53	17.52	17.53	18.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.57	17.54	17.61	18.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.50	17.63	17.55	18.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.52	17.62	17.53	18.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_EC14】

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		23.16		24.00
100	PI/2 BPSK	1	271		23.13		24.00
100	PI/2 BPSK	135	0		23.03		24.00
100	PI/2 BPSK	135	69		23.17		24.00
100	PI/2 BPSK	135	138		22.79		24.00
100	PI/2 BPSK	270	0		22.85		24.00
100	QPSK	1	1		23.22		24.00
100	QPSK	1	137		23.22		24.00
100	QPSK	1	271		23.06		24.00



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100	QPSK	135	0		22.95		24.00
100	QPSK	135	69		23.15		24.00
100	QPSK	135	138		22.96		24.00
100	QPSK	270	0		23.01		24.00
100	16QAM	1	1		23.00		24.00
100	64QAM	1	1		21.69		23.00
100	256QAM	1	1		19.57		21.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.21	23.25	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	23.13	23.05	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	23.22	23.13	24.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.17	23.11	23.10	24.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.10	23.17	23.11	24.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.19	23.24	23.10	24.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.09	23.11	23.07	24.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.14	23.22	23.03	24.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.07	23.14	23.06	24.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.19	23.17	23.15	24.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.18	23.19	23.08	24.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 7_EC14】

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	23.30	23.35	23.17	24.00
100	PI/2 BPSK	1	137	23.10	23.23	22.98	24.00
100	PI/2 BPSK	1	271	23.06	23.15	22.84	24.00
100	PI/2 BPSK	135	0	22.95	23.05	22.84	24.00
100	PI/2 BPSK	135	69	23.17	23.25	23.00	24.00
100	PI/2 BPSK	135	138	22.89	22.97	22.72	24.00
100	PI/2 BPSK	270	0	22.87	23.02	22.75	24.00
100	QPSK	1	1	23.16	23.31	23.04	24.00
100	QPSK	1	137	23.20	23.27	23.08	24.00
100	QPSK	1	271	23.10	23.20	22.90	24.00
100	QPSK	135	0	22.89	23.07	22.77	24.00
100	QPSK	135	69	23.28	23.36	23.09	24.00
100	QPSK	135	138	22.86	22.96	22.71	24.00
100	QPSK	270	0	22.85	23.04	22.74	24.00
100	16QAM	1	1	23.03	23.17	22.92	24.00
100	64QAM	1	1	21.72	21.83	21.63	23.00
100	256QAM	1	1	19.64	19.78	19.58	21.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.21	23.33	23.15	24.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.24	23.29	23.02	24.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.19	23.26	23.03	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	23.18	23.25	23.15	24.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	23.20	23.31	23.02	24.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	23.24	23.26	23.05	24.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	23.26	23.27	23.13	24.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	23.15	23.24	23.03	24.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	23.23	23.31	23.08	24.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.20	23.30	23.07	24.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.22	23.23	23.15	24.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.23		17.00
100	PI/2 BPSK	1	137		15.98		17.00
100	PI/2 BPSK	1	271		16.10		17.00
100	PI/2 BPSK	135	0		15.99		17.00
100	PI/2 BPSK	135	69		16.18		17.00
100	PI/2 BPSK	135	138		16.02		17.00
100	PI/2 BPSK	270	0		16.06		17.00
100	QPSK	1	1		16.15		17.00
100	QPSK	1	137		16.16		17.00
100	QPSK	1	271		16.00		17.00
100	QPSK	135	0		16.11		17.00
100	QPSK	135	69		16.04		17.00
100	QPSK	135	138		16.04		17.00
100	QPSK	270	0		16.10		17.00
100	16QAM	1	1		16.01		17.00
100	64QAM	1	1		16.08		17.00
100	256QAM	1	1		16.11		17.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.18	16.22	16.12	17.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.11	16.16	16.08	17.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.03	16.18	16.09	17.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.04	16.11	16.04	17.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.10	16.12	16.02	17.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.11	16.10	16.00	17.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.16	16.13	16.03	17.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.16	16.15	16.06	17.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.14	16.09	16.05	17.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)



15	PI/2 BPSK	1	1	16.07	16.15	16.04	17.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.11	16.16	16.10	17.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 7_ECI5】

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	16.19	16.25	16.17	17.00
100	PI/2 BPSK	1	137	15.82	16.02	15.82	17.00
100	PI/2 BPSK	1	271	15.86	16.05	15.88	17.00
100	PI/2 BPSK	135	0	15.88	15.99	15.90	17.00
100	PI/2 BPSK	135	69	16.16	16.20	16.11	17.00
100	PI/2 BPSK	135	138	15.81	15.94	15.76	17.00
100	PI/2 BPSK	270	0	16.12	16.14	16.10	17.00
100	QPSK	1	1	15.98	16.18	15.96	17.00
100	QPSK	1	137	16.03	16.18	16.06	17.00
100	QPSK	1	271	15.83	16.01	15.88	17.00
100	QPSK	135	0	16.03	16.14	15.92	17.00
100	QPSK	135	69	15.87	16.05	15.92	17.00
100	QPSK	135	138	15.85	16.02	15.81	17.00
100	QPSK	270	0	15.97	16.09	15.91	17.00
100	16QAM	1	1	16.00	16.07	15.84	17.00
100	64QAM	1	1	16.00	16.14	16.00	17.00
100	256QAM	1	1	15.87	16.07	15.86	17.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.10	16.18	16.06	17.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.07	16.17	16.15	17.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.08	16.16	16.09	17.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.11	16.15	16.04	17.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.04	16.20	16.08	17.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.14	16.11	16.05	17.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	16.11	16.15	16.09	17.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	16.05	16.15	16.03	17.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.13	16.10	16.07	17.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.08	16.15	16.15	17.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.17	16.21	16.10	17.00

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

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		24.20		25.50
100	PI/2 BPSK	1	137		24.00		25.50
100	PI/2 BPSK	1	271		23.98		25.50
100	PI/2 BPSK	135	0		23.59		25.00
100	PI/2 BPSK	135	69		24.22		25.50
100	PI/2 BPSK	135	138		23.66		25.00
100	PI/2 BPSK	270	0		23.68		25.00
100	QPSK	1	1		23.92		25.50
100	QPSK	1	137		23.98		25.50
100	QPSK	1	271		24.05		25.50
100	QPSK	135	0		23.09		24.50
100	QPSK	135	69		24.13		25.50
100	QPSK	135	138		23.18		24.50
100	QPSK	270	0		23.16		24.50
100	16QAM	1	1		23.01		24.50
100	64QAM	1	1		21.74		23.00
100	256QAM	1	1		19.57		21.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.11	24.18	24.15	25.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.96	24.14	24.09	25.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.08	24.04	24.00	25.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.04	24.15	24.00	25.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	24.04	24.10	24.04	25.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.98	24.04	24.01	25.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.99	24.05	24.10	25.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	24.00	24.15	24.04	25.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.96	24.03	24.09	25.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	24.06	24.15	24.11	25.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.09	24.12	24.04	25.50

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

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	24.46	24.62	24.28	25.50
100	PI/2 BPSK	1	137	24.07	24.34	23.92	25.50
100	PI/2 BPSK	1	271	24.14	24.33	23.95	25.50
100	PI/2 BPSK	135	0	23.80	24.00	23.62	25.00
100	PI/2 BPSK	135	69	24.19	24.40	23.96	25.50
100	PI/2 BPSK	135	138	23.69	23.95	23.49	25.00
100	PI/2 BPSK	270	0	23.69	23.99	23.54	25.00
100	QPSK	1	1	24.04	24.33	23.88	25.50
100	QPSK	1	137	23.98	24.26	23.78	25.50
100	QPSK	1	271	23.94	24.24	23.89	25.50



100	QPSK	135	0	23.38	23.56	23.20	24.50
100	QPSK	135	69	24.22	24.50	24.08	25.50
100	QPSK	135	138	23.28	23.46	23.12	24.50
100	QPSK	270	0	23.21	23.46	23.01	24.50
100	16QAM	1	1	23.28	23.51	23.07	24.50
100	64QAM	1	1	21.92	22.07	21.64	23.00
100	256QAM	1	1	20.07	20.10	20.10	21.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	24.43	24.60	24.24	25.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	24.36	24.55	24.17	25.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	24.32	24.52	24.16	25.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	24.39	24.52	24.21	25.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	24.42	24.59	24.17	25.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	24.35	24.57	24.14	25.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	24.36	24.57	24.20	25.50
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	24.37	24.57	24.14	25.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	24.42	24.56	24.26	25.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	24.43	24.55	24.24	25.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	24.38	24.50	24.16	25.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI1】

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		19.02		20.00
100	PI/2 BPSK	1	137		18.86		20.00
100	PI/2 BPSK	1	271		18.91		20.00
100	PI/2 BPSK	135	0		18.82		20.00
100	PI/2 BPSK	135	69		18.97		20.00
100	PI/2 BPSK	135	138		18.75		20.00
100	PI/2 BPSK	270	0		18.86		20.00
100	QPSK	1	1		19.01		20.00
100	QPSK	1	137		18.85		20.00
100	QPSK	1	271		18.75		20.00
100	QPSK	135	0		18.90		20.00
100	QPSK	135	69		18.87		20.00
100	QPSK	135	138		18.84		20.00
100	QPSK	270	0		18.87		20.00
100	16QAM	1	1		18.80		20.00
100	64QAM	1	1		18.86		20.00
100	256QAM	1	1		18.98		20.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.93	18.96	18.94	20.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.91	18.91	18.82	20.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.83	18.91	18.91	20.00
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	18.87	18.82	18.88	20.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.84	18.91	18.92	20.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.85	18.83	18.79	20.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.91	18.84	18.81	20.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.81	18.88	18.89	20.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.83	18.86	18.85	20.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.90	18.82	18.88	20.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.83	18.84	18.90	20.00

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Ant 7_EC11】

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	19.32	19.38	19.31	20.00
100	PI/2 BPSK	1	137	19.12	19.22	19.14	20.00
100	PI/2 BPSK	1	271	19.05	19.24	19.16	20.00
100	PI/2 BPSK	135	0	19.04	19.14	19.02	20.00
100	PI/2 BPSK	135	69	19.30	19.36	19.29	20.00
100	PI/2 BPSK	135	138	19.11	19.28	19.08	20.00
100	PI/2 BPSK	270	0	19.19	19.21	19.15	20.00
100	QPSK	1	1	19.18	19.35	19.16	20.00
100	QPSK	1	137	19.18	19.28	19.19	20.00
100	QPSK	1	271	19.00	19.18	18.98	20.00
100	QPSK	135	0	19.18	19.27	19.13	20.00
100	QPSK	135	69	19.09	19.21	19.09	20.00
100	QPSK	135	138	19.10	19.30	19.14	20.00
100	QPSK	270	0	19.14	19.26	19.17	20.00
100	16QAM	1	1	19.05	19.25	19.16	20.00
100	64QAM	1	1	19.11	19.26	19.07	20.00
100	256QAM	1	1	19.19	19.26	19.14	20.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.18	19.34	19.26	20.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.17	19.30	19.26	20.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.25	19.29	19.19	20.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.28	19.32	19.20	20.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.19	19.32	19.16	20.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.29	19.26	19.21	20.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	19.24	19.30	19.19	20.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	19.28	19.25	19.28	20.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.29	19.26	19.23	20.00
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	19.19	19.24	19.16	20.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	19.18	19.29	19.29	20.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI3】

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		20.43		21.50
100	PI/2 BPSK	1	137		20.29		21.50
100	PI/2 BPSK	1	271		20.30		21.50
100	PI/2 BPSK	135	0		20.39		21.50
100	PI/2 BPSK	135	69		20.46		21.50
100	PI/2 BPSK	135	138		20.17		21.50
100	PI/2 BPSK	270	0		20.40		21.50
100	QPSK	1	1		20.30		21.50
100	QPSK	1	137		20.23		21.50
100	QPSK	1	271		20.20		21.50
100	QPSK	135	0		20.35		21.50
100	QPSK	135	69		20.28		21.50
100	QPSK	135	138		20.39		21.50
100	QPSK	270	0		20.25		21.50
100	16QAM	1	1		20.36		21.50
100	64QAM	1	1		20.39		21.50
100	256QAM	1	1		20.39		21.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.38	20.41	20.36	21.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.34	20.39	20.31	21.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.27	20.32	20.34	21.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.35	20.38	20.32	21.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.36	20.36	20.31	21.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.37	20.29	20.34	21.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.28	20.30	20.25	21.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.24	20.34	20.22	21.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.25	20.29	20.26	21.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.33	20.31	20.31	21.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.31	20.34	20.29	21.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 7_ECI3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.61	20.63	20.59	21.50
100	PI/2 BPSK	1	137	20.24	20.36	20.28	21.50
100	PI/2 BPSK	1	271	20.25	20.36	20.29	21.50
100	PI/2 BPSK	135	0	20.30	20.41	20.33	21.50
100	PI/2 BPSK	135	69	20.58	20.61	20.57	21.50
100	PI/2 BPSK	135	138	20.29	20.33	20.24	21.50
100	PI/2 BPSK	270	0	20.28	20.43	20.35	21.50
100	QPSK	1	1	20.37	20.43	20.24	21.50
100	QPSK	1	137	20.25	20.29	20.21	21.50
100	QPSK	1	271	20.26	20.38	20.20	21.50
100	QPSK	135	0	20.41	20.53	20.47	21.50
100	QPSK	135	69	20.37	20.43	20.31	21.50
100	QPSK	135	138	20.40	20.55	20.43	21.50
100	QPSK	270	0	20.22	20.35	20.30	21.50
100	16QAM	1	1	20.48	20.54	20.46	21.50
100	64QAM	1	1	20.28	20.45	20.37	21.50
100	256QAM	1	1	20.38	20.54	20.36	21.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.50	20.61	20.54	21.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.53	20.51	20.55	21.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.51	20.59	20.48	21.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.59	20.53	20.53	21.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.49	20.53	20.55	21.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.51	20.58	20.51	21.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	20.50	20.61	20.58	21.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	20.53	20.59	20.54	21.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.53	20.59	20.45	21.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.52	20.48	20.47	21.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.48	20.57	20.57	21.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI4】

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		24.20		25.50
100	PI/2 BPSK	1	137		24.00		25.50
100	PI/2 BPSK	1	271		23.98		25.50
100	PI/2 BPSK	135	0		23.59		25.00
100	PI/2 BPSK	135	69		24.22		25.50
100	PI/2 BPSK	135	138		23.66		25.00
100	PI/2 BPSK	270	0		23.68		25.00
100	QPSK	1	1		23.92		25.50
100	QPSK	1	137		23.98		25.50
100	QPSK	1	271		24.05		25.50
100	QPSK	135	0		23.09		24.50
100	QPSK	135	69		24.13		25.50
100	QPSK	135	138		23.18		24.50
100	QPSK	270	0		23.16		24.50
100	16QAM	1	1		23.01		24.50
100	64QAM	1	1		21.74		23.00
100	256QAM	1	1		19.57		21.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.11	24.18	24.15	25.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.96	24.14	24.09	25.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.08	24.04	24.00	25.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.04	24.15	24.00	25.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	24.04	24.10	24.04	25.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.98	24.04	24.01	25.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.99	24.05	24.10	25.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	24.00	24.15	24.04	25.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.96	24.03	24.09	25.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	24.06	24.15	24.11	25.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.09	24.12	24.04	25.50

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_HPUE_Ant 7_ECI4】

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	24.46	24.62	24.28	25.50
100	PI/2 BPSK	1	137	24.07	24.34	23.92	25.50
100	PI/2 BPSK	1	271	24.14	24.33	23.95	25.50
100	PI/2 BPSK	135	0	23.80	24.00	23.62	25.00
100	PI/2 BPSK	135	69	24.19	24.40	23.96	25.50
100	PI/2 BPSK	135	138	23.69	23.95	23.49	25.00
100	PI/2 BPSK	270	0	23.69	23.99	23.54	25.00
100	QPSK	1	1	24.04	24.33	23.88	25.50
100	QPSK	1	137	23.98	24.26	23.78	25.50
100	QPSK	1	271	23.94	24.24	23.89	25.50



100	QPSK	135	0	23.38	23.56	23.20	24.50
100	QPSK	135	69	24.22	24.50	24.08	25.50
100	QPSK	135	138	23.28	23.46	23.12	24.50
100	QPSK	270	0	23.21	23.46	23.01	24.50
100	16QAM	1	1	23.28	23.51	23.07	24.50
100	64QAM	1	1	21.92	22.07	21.64	23.00
100	256QAM	1	1	20.07	20.10	20.10	21.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	24.43	24.60	24.24	25.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	24.36	24.55	24.17	25.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	24.32	24.52	24.16	25.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	24.39	24.52	24.21	25.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	24.42	24.59	24.17	25.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	24.35	24.57	24.14	25.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	24.36	24.57	24.20	25.50
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	24.37	24.57	24.14	25.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	24.42	24.56	24.26	25.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	24.43	24.55	24.24	25.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	24.38	24.50	24.16	25.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI5】

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		19.02		20.00
100	PI/2 BPSK	1	137		18.86		20.00
100	PI/2 BPSK	1	271		18.91		20.00
100	PI/2 BPSK	135	0		18.82		20.00
100	PI/2 BPSK	135	69		18.97		20.00
100	PI/2 BPSK	135	138		18.75		20.00
100	PI/2 BPSK	270	0		18.86		20.00
100	QPSK	1	1		19.01		20.00
100	QPSK	1	137		18.85		20.00
100	QPSK	1	271		18.75		20.00
100	QPSK	135	0		18.90		20.00
100	QPSK	135	69		18.87		20.00
100	QPSK	135	138		18.84		20.00
100	QPSK	270	0		18.87		20.00
100	16QAM	1	1		18.80		20.00
100	64QAM	1	1		18.86		20.00
100	256QAM	1	1		18.98		20.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.93	18.96	18.94	20.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.91	18.91	18.82	20.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.83	18.91	18.91	20.00
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	18.87	18.82	18.88	20.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.84	18.91	18.92	20.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.85	18.83	18.79	20.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.91	18.84	18.81	20.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.81	18.88	18.89	20.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.83	18.86	18.85	20.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.90	18.82	18.88	20.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.83	18.84	18.90	20.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 7_ECI5】

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	19.32	19.38	19.31	20.00
100	PI/2 BPSK	1	137	19.12	19.22	19.14	20.00
100	PI/2 BPSK	1	271	19.05	19.24	19.16	20.00
100	PI/2 BPSK	135	0	19.04	19.14	19.02	20.00
100	PI/2 BPSK	135	69	19.30	19.36	19.29	20.00
100	PI/2 BPSK	135	138	19.11	19.28	19.08	20.00
100	PI/2 BPSK	270	0	19.19	19.21	19.15	20.00
100	QPSK	1	1	19.18	19.35	19.16	20.00
100	QPSK	1	137	19.18	19.28	19.19	20.00
100	QPSK	1	271	19.00	19.18	18.98	20.00
100	QPSK	135	0	19.18	19.27	19.13	20.00
100	QPSK	135	69	19.09	19.21	19.09	20.00
100	QPSK	135	138	19.10	19.30	19.14	20.00
100	QPSK	270	0	19.14	19.26	19.17	20.00
100	16QAM	1	1	19.05	19.25	19.16	20.00
100	64QAM	1	1	19.11	19.26	19.07	20.00
100	256QAM	1	1	19.19	19.26	19.14	20.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.18	19.34	19.26	20.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.17	19.30	19.26	20.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.25	19.29	19.19	20.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.28	19.32	19.20	20.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.19	19.32	19.16	20.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.29	19.26	19.21	20.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	19.24	19.30	19.19	20.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	19.28	19.25	19.28	20.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.29	19.26	19.23	20.00
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	19.19	19.24	19.16	20.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	19.18	19.29	19.29	20.00

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

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		24.55		25.50
100	PI/2 BPSK	1	137		24.53		25.50
100	PI/2 BPSK	1	271		24.52		25.50
100	PI/2 BPSK	135	0		24.32		25.50
100	PI/2 BPSK	135	69		24.33		25.50
100	PI/2 BPSK	135	138		24.27		25.50
100	PI/2 BPSK	270	0		24.30		25.50
100	QPSK	1	1		24.45		25.50
100	QPSK	1	137		24.49		25.50
100	QPSK	1	271		24.51		25.50
100	QPSK	135	0		24.33		25.50
100	QPSK	135	69		24.41		25.50
100	QPSK	135	138		24.27		25.50
100	QPSK	270	0		24.32		25.50
100	16QAM	1	1		24.38		25.50
100	64QAM	1	1		23.06		24.50
100	256QAM	1	1		21.57		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.46	24.51	24.50	25.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	24.33	24.44	24.39	25.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.34	24.48	24.39	25.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.39	24.42	24.48	25.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	24.41	24.42	24.48	25.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	24.41	24.38	24.36	25.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	24.38	24.47	24.43	25.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	24.32	24.47	24.39	25.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	24.43	24.42	24.49	25.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	24.42	24.47	24.39	25.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.35	24.39	24.38	25.50



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

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	24.65	24.67	24.61	25.50
100	PI/2 BPSK	1	137	24.39	24.54	24.37	25.50
100	PI/2 BPSK	1	271	24.38	24.42	24.22	25.50
100	PI/2 BPSK	135	0	24.38	24.41	24.26	25.50
100	PI/2 BPSK	135	69	24.43	24.55	24.47	25.50
100	PI/2 BPSK	135	138	24.14	24.30	24.21	25.50
100	PI/2 BPSK	270	0	24.34	24.37	24.17	25.50
100	QPSK	1	1	24.54	24.58	24.46	25.50
100	QPSK	1	137	24.49	24.57	24.42	25.50
100	QPSK	1	271	24.25	24.41	24.28	25.50
100	QPSK	135	0	24.42	24.47	24.34	25.50
100	QPSK	135	69	24.48	24.57	24.37	25.50
100	QPSK	135	138	24.23	24.28	24.12	25.50
100	QPSK	270	0	24.29	24.38	24.22	25.50
100	16QAM	1	1	24.42	24.58	24.44	25.50
100	64QAM	1	1	23.21	23.25	23.09	24.50
100	256QAM	1	1	21.73	21.79	21.68	22.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.54	24.63	24.49	25.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.59	24.55	24.52	25.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.59	24.60	24.55	25.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.63	24.66	24.56	25.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.56	24.59	24.50	25.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.61	24.57	24.56	25.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	24.51	24.64	24.53	25.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	24.59	24.55	24.51	25.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.53	24.57	24.49	25.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.53	24.65	24.49	25.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.62	24.53	24.59	25.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_ECI1】

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		13.06		14.00
100	PI/2 BPSK	1	137		12.91		14.00
100	PI/2 BPSK	1	271		12.82		14.00
100	PI/2 BPSK	135	0		12.88		14.00
100	PI/2 BPSK	135	69		13.02		14.00
100	PI/2 BPSK	135	138		12.86		14.00
100	PI/2 BPSK	270	0		12.92		14.00
100	QPSK	1	1		12.95		14.00
100	QPSK	1	137		12.80		14.00
100	QPSK	1	271		12.93		14.00



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100	QPSK	135	0		12.88		14.00
100	QPSK	135	69		12.90		14.00
100	QPSK	135	138		12.90		14.00
100	QPSK	270	0		12.81		14.00
100	16QAM	1	1		12.92		14.00
100	64QAM	1	1		12.85		14.00
100	256QAM	1	1		12.81		14.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	12.81	12.86	12.83	14.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	12.76	12.81	12.80	14.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	12.75	12.83	12.70	14.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	12.76	12.72	12.70	14.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	12.71	12.79	12.79	14.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	12.68	12.78	12.82	14.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	12.70	12.74	12.69	14.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	12.67	12.78	12.77	14.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	12.68	12.80	12.72	14.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	12.67	12.78	12.72	14.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	12.80	12.81	12.71	14.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 8_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.06	13.09	13.07	14.00
100	PI/2 BPSK	1	137	12.79	12.91	12.80	14.00
100	PI/2 BPSK	1	271	12.69	12.86	12.73	14.00
100	PI/2 BPSK	135	0	12.65	12.79	12.75	14.00
100	PI/2 BPSK	135	69	12.91	12.96	12.93	14.00
100	PI/2 BPSK	135	138	12.63	12.77	12.67	14.00
100	PI/2 BPSK	270	0	12.78	12.93	12.89	14.00
100	QPSK	1	1	12.79	12.88	12.79	14.00
100	QPSK	1	137	12.76	12.86	12.82	14.00
100	QPSK	1	271	12.87	12.91	12.76	14.00
100	QPSK	135	0	12.79	12.91	12.86	14.00
100	QPSK	135	69	12.88	12.95	12.86	14.00
100	QPSK	135	138	12.79	12.83	12.68	14.00
100	QPSK	270	0	12.80	12.94	12.85	14.00
100	16QAM	1	1	12.90	12.96	12.88	14.00
100	64QAM	1	1	12.69	12.85	12.73	14.00
100	256QAM	1	1	12.77	12.85	12.71	14.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	13.01	12.97	12.96	14.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	12.96	12.94	13.00	14.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	12.93	13.04	13.05	14.00
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	13.03	13.01	12.96	14.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.04	13.04	13.04	14.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	12.96	13.05	13.03	14.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	12.95	12.98	12.98	14.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	13.01	12.96	13.06	14.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	13.04	13.02	12.95	14.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.03	12.95	12.99	14.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	12.97	12.95	13.05	14.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_ECI3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.51		17.50
100	PI/2 BPSK	1	137		16.42		17.50
100	PI/2 BPSK	1	271		16.48		17.50
100	PI/2 BPSK	135	0		16.43		17.50
100	PI/2 BPSK	135	69		16.46		17.50
100	PI/2 BPSK	135	138		16.38		17.50
100	PI/2 BPSK	270	0		16.36		17.50
100	QPSK	1	1		16.39		17.50
100	QPSK	1	137		16.41		17.50
100	QPSK	1	271		16.33		17.50
100	QPSK	135	0		16.32		17.50
100	QPSK	135	69		16.35		17.50
100	QPSK	135	138		16.38		17.50
100	QPSK	270	0		16.33		17.50
100	16QAM	1	1		16.30		17.50
100	64QAM	1	1		16.29		17.50
100	256QAM	1	1		16.28		17.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.38	16.44	16.37	17.50
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.28	16.38	16.33	17.50
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.30	16.41	16.25	17.50
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.24	16.38	16.25	17.50
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.35	16.40	16.33	17.50
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.27	16.40	16.31	17.50
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.32	16.41	16.33	17.50
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.30	16.40	16.28	17.50
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.31	16.31	16.23	17.50
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	



15	PI/2 BPSK	1	1	16.33	16.37	16.24	17.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.24	16.37	16.25	17.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 8_ECI3】

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	16.57	16.62	16.58	17.50
100	PI/2 BPSK	1	137	16.47	16.59	16.50	17.50
100	PI/2 BPSK	1	271	16.41	16.55	16.45	17.50
100	PI/2 BPSK	135	0	16.41	16.53	16.38	17.50
100	PI/2 BPSK	135	69	16.45	16.57	16.45	17.50
100	PI/2 BPSK	135	138	16.31	16.50	16.33	17.50
100	PI/2 BPSK	270	0	16.31	16.48	16.42	17.50
100	QPSK	1	1	16.38	16.54	16.45	17.50
100	QPSK	1	137	16.38	16.49	16.38	17.50
100	QPSK	1	271	16.26	16.42	16.34	17.50
100	QPSK	135	0	16.35	16.45	16.37	17.50
100	QPSK	135	69	16.34	16.44	16.25	17.50
100	QPSK	135	138	16.36	16.52	16.43	17.50
100	QPSK	270	0	16.37	16.55	16.47	17.50
100	16QAM	1	1	16.40	16.47	16.38	17.50
100	64QAM	1	1	16.31	16.49	16.40	17.50
100	256QAM	1	1	16.39	16.45	16.27	17.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.51	16.53	16.49	17.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.46	16.47	16.45	17.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.56	16.47	16.53	17.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.47	16.47	16.50	17.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.55	16.57	16.54	17.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.51	16.47	16.51	17.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	16.49	16.59	16.47	17.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	16.54	16.50	16.55	17.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.52	16.58	16.44	17.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.48	16.61	16.43	17.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.54	16.59	16.43	17.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_EC14】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.51		17.50
100	PI/2 BPSK	1	137		16.42		17.50
100	PI/2 BPSK	1	271		16.48		17.50
100	PI/2 BPSK	135	0		16.43		17.50
100	PI/2 BPSK	135	69		16.46		17.50
100	PI/2 BPSK	135	138		16.38		17.50
100	PI/2 BPSK	270	0		16.36		17.50
100	QPSK	1	1		16.39		17.50
100	QPSK	1	137		16.41		17.50
100	QPSK	1	271		16.33		17.50
100	QPSK	135	0		16.32		17.50
100	QPSK	135	69		16.35		17.50
100	QPSK	135	138		16.38		17.50
100	QPSK	270	0		16.33		17.50
100	16QAM	1	1		16.30		17.50
100	64QAM	1	1		16.29		17.50
100	256QAM	1	1		16.28		17.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.38	16.44	16.37	17.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.28	16.38	16.33	17.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.30	16.41	16.25	17.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.24	16.38	16.25	17.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.35	16.40	16.33	17.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.27	16.40	16.31	17.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.32	16.41	16.33	17.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.30	16.40	16.28	17.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.31	16.31	16.23	17.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.33	16.37	16.24	17.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.24	16.37	16.25	17.50

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_Ant 8_EC14】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.57	16.62	16.58	17.50
100	PI/2 BPSK	1	137	16.47	16.59	16.50	17.50
100	PI/2 BPSK	1	271	16.41	16.55	16.45	17.50
100	PI/2 BPSK	135	0	16.41	16.53	16.38	17.50
100	PI/2 BPSK	135	69	16.45	16.57	16.45	17.50
100	PI/2 BPSK	135	138	16.31	16.50	16.33	17.50
100	PI/2 BPSK	270	0	16.31	16.48	16.42	17.50
100	QPSK	1	1	16.38	16.54	16.45	17.50
100	QPSK	1	137	16.38	16.49	16.38	17.50
100	QPSK	1	271	16.26	16.42	16.34	17.50



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100	QPSK	135	0	16.35	16.45	16.37	17.50
100	QPSK	135	69	16.34	16.44	16.25	17.50
100	QPSK	135	138	16.36	16.52	16.43	17.50
100	QPSK	270	0	16.37	16.55	16.47	17.50
100	16QAM	1	1	16.40	16.47	16.38	17.50
100	64QAM	1	1	16.31	16.49	16.40	17.50
100	256QAM	1	1	16.39	16.45	16.27	17.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	16.51	16.53	16.49	17.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	16.46	16.47	16.45	17.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	16.56	16.47	16.53	17.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	16.47	16.47	16.50	17.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	16.55	16.57	16.54	17.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	16.51	16.47	16.51	17.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	16.49	16.59	16.47	17.50
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	16.54	16.50	16.55	17.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	16.52	16.58	16.44	17.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	16.48	16.61	16.43	17.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	16.54	16.59	16.43	17.50

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

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		13.06		14.00
100	PI/2 BPSK	1	137		12.91		14.00
100	PI/2 BPSK	1	271		12.82		14.00
100	PI/2 BPSK	135	0		12.88		14.00
100	PI/2 BPSK	135	69		13.02		14.00
100	PI/2 BPSK	135	138		12.86		14.00
100	PI/2 BPSK	270	0		12.92		14.00
100	QPSK	1	1		12.95		14.00
100	QPSK	1	137		12.80		14.00
100	QPSK	1	271		12.93		14.00
100	QPSK	135	0		12.88		14.00
100	QPSK	135	69		12.90		14.00
100	QPSK	135	138		12.90		14.00
100	QPSK	270	0		12.81		14.00
100	16QAM	1	1		12.92		14.00
100	64QAM	1	1		12.85		14.00
100	256QAM	1	1		12.81		14.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	12.81	12.86	12.83	14.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	12.76	12.81	12.80	14.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	12.75	12.83	12.70	14.00
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	12.76	12.72	12.70	14.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	12.71	12.79	12.79	14.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	12.68	12.78	12.82	14.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	12.70	12.74	12.69	14.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	12.67	12.78	12.77	14.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	12.68	12.80	12.72	14.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	12.67	12.78	12.72	14.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	12.80	12.81	12.71	14.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 8_ECI5】

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	13.06	13.09	13.07	14.00
100	PI/2 BPSK	1	137	12.79	12.91	12.80	14.00
100	PI/2 BPSK	1	271	12.69	12.86	12.73	14.00
100	PI/2 BPSK	135	0	12.65	12.79	12.75	14.00
100	PI/2 BPSK	135	69	12.91	12.96	12.93	14.00
100	PI/2 BPSK	135	138	12.63	12.77	12.67	14.00
100	PI/2 BPSK	270	0	12.78	12.93	12.89	14.00
100	QPSK	1	1	12.79	12.88	12.79	14.00
100	QPSK	1	137	12.76	12.86	12.82	14.00
100	QPSK	1	271	12.87	12.91	12.76	14.00
100	QPSK	135	0	12.79	12.91	12.86	14.00
100	QPSK	135	69	12.88	12.95	12.86	14.00
100	QPSK	135	138	12.79	12.83	12.68	14.00
100	QPSK	270	0	12.80	12.94	12.85	14.00
100	16QAM	1	1	12.90	12.96	12.88	14.00
100	64QAM	1	1	12.69	12.85	12.73	14.00
100	256QAM	1	1	12.77	12.85	12.71	14.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.01	12.97	12.96	14.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	12.96	12.94	13.00	14.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	12.93	13.04	13.05	14.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.03	13.01	12.96	14.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.04	13.04	13.04	14.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	12.96	13.05	13.03	14.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	12.95	12.98	12.98	14.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	13.01	12.96	13.06	14.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	13.04	13.02	12.95	14.00
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	13.03	12.95	12.99	14.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	12.97	12.95	13.05	14.00

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.65		27.00
100	PI/2 BPSK	1	137		25.61		27.00
100	PI/2 BPSK	1	271		25.64		27.00
100	PI/2 BPSK	135	0		25.23		26.50
100	PI/2 BPSK	135	69		25.63		27.00
100	PI/2 BPSK	135	138		25.20		26.50
100	PI/2 BPSK	270	0		25.25		26.50
100	QPSK	1	1		25.56		27.00
100	QPSK	1	137		25.55		27.00
100	QPSK	1	271		25.56		27.00
100	QPSK	135	0		24.74		26.00
100	QPSK	135	69		25.64		27.00
100	QPSK	135	138		24.72		26.00
100	QPSK	270	0		24.76		26.00
100	16QAM	1	1		24.76		26.00
100	64QAM	1	1		22.92		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	25.57	25.60	25.59	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.53	25.49	25.45	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.50	25.48	25.51	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.56	25.46	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	25.55	25.55	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	25.45	25.59	25.45	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.53	25.45	25.46	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.48	25.57	25.44	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.46	25.47	25.55	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.45	25.47	25.56	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	25.49	25.49	27.00

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

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	25.68	25.81	25.73	27.00
100	PI/2 BPSK	1	137	25.55	25.70	25.54	27.00
100	PI/2 BPSK	1	271	25.41	25.58	25.41	27.00
100	PI/2 BPSK	135	0	25.20	25.41	25.22	26.50
100	PI/2 BPSK	135	69	25.48	25.74	25.64	27.00
100	PI/2 BPSK	135	138	24.98	25.22	25.12	26.50
100	PI/2 BPSK	270	0	25.08	25.33	25.11	26.50
100	QPSK	1	1	25.56	25.76	25.56	27.00
100	QPSK	1	137	25.37	25.62	25.50	27.00
100	QPSK	1	271	25.34	25.52	25.34	27.00
100	QPSK	135	0	24.79	24.95	24.84	26.00
100	QPSK	135	69	25.66	25.80	25.58	27.00
100	QPSK	135	138	24.59	24.77	24.63	26.00
100	QPSK	270	0	24.70	24.88	24.69	26.00
100	16QAM	1	1	24.74	24.93	24.72	26.00
100	64QAM	1	1	22.93	23.13	22.96	24.50
100	256QAM	1	1	21.53	21.54	21.47	22.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.57	25.66	25.59	27.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.67	25.68	25.72	27.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.58	25.78	25.58	27.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.61	25.77	25.62	27.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.58	25.67	25.61	27.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.65	25.71	25.62	27.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.56	25.79	25.68	27.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	25.53	25.71	25.72	27.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.62	25.67	25.67	27.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.66	25.74	25.68	27.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.64	25.71	25.64	27.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_ECI1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.84		17.00
100	PI/2 BPSK	1	137		15.76		17.00
100	PI/2 BPSK	1	271		15.70		17.00
100	PI/2 BPSK	135	0		15.61		17.00
100	PI/2 BPSK	135	69		15.83		17.00
100	PI/2 BPSK	135	138		15.62		17.00
100	PI/2 BPSK	270	0		15.69		17.00
100	QPSK	1	1		15.67		17.00
100	QPSK	1	137		15.62		17.00
100	QPSK	1	271		15.69		17.00
100	QPSK	135	0		15.65		17.00
100	QPSK	135	69		15.77		17.00
100	QPSK	135	138		15.70		17.00
100	QPSK	270	0		15.82		17.00
100	16QAM	1	1		15.75		17.00
100	64QAM	1	1		15.68		17.00
100	256QAM	1	1		15.72		17.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.76	15.79	15.74	17.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	15.69	15.74	15.60	17.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	15.69	15.76	15.59	17.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	15.66	15.68	15.72	17.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	15.70	15.74	15.60	17.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	15.75	15.77	15.60	17.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	15.66	15.67	15.68	17.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	15.66	15.76	15.69	17.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	15.72	15.70	15.63	17.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	15.73	15.69	15.67	17.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	15.67	15.65	15.67	17.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 8_ECI1】

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	15.81	15.85	15.83	17.00
100	PI/2 BPSK	1	137	15.68	15.73	15.66	17.00
100	PI/2 BPSK	1	271	15.44	15.61	15.54	17.00
100	PI/2 BPSK	135	0	15.39	15.57	15.54	17.00
100	PI/2 BPSK	135	69	15.73	15.75	15.71	17.00
100	PI/2 BPSK	135	138	15.32	15.51	15.38	17.00
100	PI/2 BPSK	270	0	15.64	15.78	15.70	17.00
100	QPSK	1	1	15.55	15.70	15.63	17.00
100	QPSK	1	137	15.67	15.74	15.63	17.00
100	QPSK	1	271	15.66	15.72	15.68	17.00
100	QPSK	135	0	15.64	15.71	15.64	17.00
100	QPSK	135	69	15.67	15.75	15.69	17.00
100	QPSK	135	138	15.47	15.55	15.48	17.00
100	QPSK	270	0	15.62	15.68	15.64	17.00
100	16QAM	1	1	15.62	15.72	15.56	17.00
100	64QAM	1	1	15.56	15.72	15.69	17.00
100	256QAM	1	1	15.54	15.71	15.59	17.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	15.70	15.74	15.82	17.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	15.71	15.83	15.82	17.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	15.74	15.75	15.69	17.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	15.79	15.80	15.72	17.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	15.76	15.72	15.72	17.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	15.76	15.77	15.78	17.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	15.68	15.83	15.71	17.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	15.76	15.77	15.76	17.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	15.75	15.81	15.72	17.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	15.71	15.75	15.72	17.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	15.69	15.72	15.79	17.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_ECI3】

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		19.46		20.50
100	PI/2 BPSK	1	137		19.38		20.50
100	PI/2 BPSK	1	271		19.33		20.50
100	PI/2 BPSK	135	0		19.40		20.50
100	PI/2 BPSK	135	69		19.42		20.50
100	PI/2 BPSK	135	138		19.40		20.50
100	PI/2 BPSK	270	0		19.32		20.50
100	QPSK	1	1		19.35		20.50
100	QPSK	1	137		19.31		20.50
100	QPSK	1	271		19.28		20.50



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100	QPSK	135	0		19.24		20.50
100	QPSK	135	69		19.25		20.50
100	QPSK	135	138		19.29		20.50
100	QPSK	270	0		19.26		20.50
100	16QAM	1	1		19.22		20.50
100	64QAM	1	1		19.24		20.50
100	256QAM	1	1		19.23		20.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	19.31	19.38	19.36	20.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	19.22	19.27	19.26	20.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	19.16	19.31	19.30	20.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	19.19	19.32	19.35	20.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	19.21	19.27	19.21	20.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	19.29	19.34	19.32	20.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	19.24	19.37	19.26	20.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	19.21	19.26	19.32	20.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	19.21	19.34	19.24	20.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	19.25	19.35	19.24	20.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	19.20	19.31	19.23	20.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 8_ECI3】

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	19.57	19.59	19.53	20.50
100	PI/2 BPSK	1	137	19.43	19.53	19.35	20.50
100	PI/2 BPSK	1	271	19.51	19.55	19.45	20.50
100	PI/2 BPSK	135	0	19.42	19.48	19.28	20.50
100	PI/2 BPSK	135	69	19.42	19.54	19.45	20.50
100	PI/2 BPSK	135	138	19.35	19.43	19.36	20.50
100	PI/2 BPSK	270	0	19.41	19.46	19.30	20.50
100	QPSK	1	1	19.34	19.41	19.28	20.50
100	QPSK	1	137	19.33	19.45	19.29	20.50
100	QPSK	1	271	19.27	19.40	19.33	20.50
100	QPSK	135	0	19.30	19.38	19.21	20.50
100	QPSK	135	69	19.24	19.36	19.29	20.50
100	QPSK	135	138	19.25	19.39	19.26	20.50
100	QPSK	270	0	19.26	19.37	19.26	20.50
100	16QAM	1	1	19.27	19.44	19.31	20.50
100	64QAM	1	1	19.34	19.46	19.36	20.50
100	256QAM	1	1	19.37	19.42	19.34	20.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	19.55	19.56	19.41	20.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	19.48	19.52	19.50	20.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	19.54	19.46	19.38	20.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)



60	PI/2 BPSK	1	1	19.42	19.56	19.52	20.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.55	19.57	19.47	20.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.51	19.54	19.51	20.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	19.43	19.50	19.42	20.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	19.43	19.56	19.45	20.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.48	19.52	19.41	20.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.51	19.56	19.43	20.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.47	19.52	19.40	20.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_ECI4】

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		19.46		20.50
100	PI/2 BPSK	1	137		19.38		20.50
100	PI/2 BPSK	1	271		19.33		20.50
100	PI/2 BPSK	135	0		19.40		20.50
100	PI/2 BPSK	135	69		19.42		20.50
100	PI/2 BPSK	135	138		19.40		20.50
100	PI/2 BPSK	270	0		19.32		20.50
100	QPSK	1	1		19.35		20.50
100	QPSK	1	137		19.31		20.50
100	QPSK	1	271		19.28		20.50
100	QPSK	135	0		19.24		20.50
100	QPSK	135	69		19.25		20.50
100	QPSK	135	138		19.29		20.50
100	QPSK	270	0		19.26		20.50
100	16QAM	1	1		19.22		20.50
100	64QAM	1	1		19.24		20.50
100	256QAM	1	1		19.23		20.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.31	19.38	19.36	20.50
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.22	19.27	19.26	20.50
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.16	19.31	19.30	20.50
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.19	19.32	19.35	20.50
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.21	19.27	19.21	20.50
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.29	19.34	19.32	20.50
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.24	19.37	19.26	20.50
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.21	19.26	19.32	20.50
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.21	19.34	19.24	20.50
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	



15	PI/2 BPSK	1	1	19.25	19.35	19.24	20.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	19.20	19.31	19.23	20.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 8_EC14】

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	19.57	19.59	19.53	20.50
100	PI/2 BPSK	1	137	19.43	19.53	19.35	20.50
100	PI/2 BPSK	1	271	19.51	19.55	19.45	20.50
100	PI/2 BPSK	135	0	19.42	19.48	19.28	20.50
100	PI/2 BPSK	135	69	19.42	19.54	19.45	20.50
100	PI/2 BPSK	135	138	19.35	19.43	19.36	20.50
100	PI/2 BPSK	270	0	19.41	19.46	19.30	20.50
100	QPSK	1	1	19.34	19.41	19.28	20.50
100	QPSK	1	137	19.33	19.45	19.29	20.50
100	QPSK	1	271	19.27	19.40	19.33	20.50
100	QPSK	135	0	19.30	19.38	19.21	20.50
100	QPSK	135	69	19.24	19.36	19.29	20.50
100	QPSK	135	138	19.25	19.39	19.26	20.50
100	QPSK	270	0	19.26	19.37	19.26	20.50
100	16QAM	1	1	19.27	19.44	19.31	20.50
100	64QAM	1	1	19.34	19.46	19.36	20.50
100	256QAM	1	1	19.37	19.42	19.34	20.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.55	19.56	19.41	20.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.48	19.52	19.50	20.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.54	19.46	19.38	20.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.42	19.56	19.52	20.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.55	19.57	19.47	20.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.51	19.54	19.51	20.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	19.43	19.50	19.42	20.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	19.43	19.56	19.45	20.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.48	19.52	19.41	20.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.51	19.56	19.43	20.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.47	19.52	19.40	20.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.84		17.00
100	PI/2 BPSK	1	137		15.76		17.00
100	PI/2 BPSK	1	271		15.70		17.00
100	PI/2 BPSK	135	0		15.61		17.00
100	PI/2 BPSK	135	69		15.83		17.00
100	PI/2 BPSK	135	138		15.62		17.00
100	PI/2 BPSK	270	0		15.69		17.00
100	QPSK	1	1		15.67		17.00
100	QPSK	1	137		15.62		17.00
100	QPSK	1	271		15.69		17.00
100	QPSK	135	0		15.65		17.00
100	QPSK	135	69		15.77		17.00
100	QPSK	135	138		15.70		17.00
100	QPSK	270	0		15.82		17.00
100	16QAM	1	1		15.75		17.00
100	64QAM	1	1		15.68		17.00
100	256QAM	1	1		15.72		17.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.76	15.79	15.74	17.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	15.69	15.74	15.60	17.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	15.69	15.76	15.59	17.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	15.66	15.68	15.72	17.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	15.70	15.74	15.60	17.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	15.75	15.77	15.60	17.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	15.66	15.67	15.68	17.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	15.66	15.76	15.69	17.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	15.72	15.70	15.63	17.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	15.73	15.69	15.67	17.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	15.67	15.65	15.67	17.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 8_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	15.81	15.85	15.83	17.00
100	PI/2 BPSK	1	137	15.68	15.73	15.66	17.00
100	PI/2 BPSK	1	271	15.44	15.61	15.54	17.00
100	PI/2 BPSK	135	0	15.39	15.57	15.54	17.00
100	PI/2 BPSK	135	69	15.73	15.75	15.71	17.00
100	PI/2 BPSK	135	138	15.32	15.51	15.38	17.00
100	PI/2 BPSK	270	0	15.64	15.78	15.70	17.00
100	QPSK	1	1	15.55	15.70	15.63	17.00
100	QPSK	1	137	15.67	15.74	15.63	17.00
100	QPSK	1	271	15.66	15.72	15.68	17.00
100	QPSK	135	0	15.64	15.71	15.64	17.00
100	QPSK	135	69	15.67	15.75	15.69	17.00
100	QPSK	135	138	15.47	15.55	15.48	17.00
100	QPSK	270	0	15.62	15.68	15.64	17.00
100	16QAM	1	1	15.62	15.72	15.56	17.00
100	64QAM	1	1	15.56	15.72	15.69	17.00
100	256QAM	1	1	15.54	15.71	15.59	17.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	15.70	15.74	15.82	17.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	15.71	15.83	15.82	17.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	15.74	15.75	15.69	17.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	15.79	15.80	15.72	17.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	15.76	15.72	15.72	17.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	15.76	15.77	15.78	17.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	15.68	15.83	15.71	17.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	15.76	15.77	15.76	17.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	15.75	15.81	15.72	17.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	15.71	15.75	15.72	17.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	15.69	15.72	15.79	17.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 9_Default】

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		24.00		25.00
100	PI/2 BPSK	1	137		23.95		25.00
100	PI/2 BPSK	1	271		23.93		25.00
100	PI/2 BPSK	135	0		23.70		25.00
100	PI/2 BPSK	135	69		23.80		25.00
100	PI/2 BPSK	135	138		23.70		25.00
100	PI/2 BPSK	270	0		23.70		25.00
100	QPSK	1	1		23.94		25.00
100	QPSK	1	137		23.99		25.00
100	QPSK	1	271		23.99		25.00
100	QPSK	135	0		23.69		25.00
100	QPSK	135	69		23.84		25.00
100	QPSK	135	138		23.68		25.00
100	QPSK	270	0		23.70		25.00
100	16QAM	1	1		23.78		25.00
100	64QAM	1	1		22.42		24.00
100	256QAM	1	1		20.40		22.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.91	23.95	23.93	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.86	23.87	23.84	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.88	23.94	23.82	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.80	23.81	23.85	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.81	23.94	23.90	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.89	23.88	23.79	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.83	23.84	23.87	25.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.87	23.84	23.83	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.76	23.94	23.85	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.80	23.86	23.80	25.00
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	23.86	25.00

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_Ant 9_Default】

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	24.10	24.25	24.12	25.00
100	PI/2 BPSK	1	137	23.90	24.06	23.79	25.00
100	PI/2 BPSK	1	271	23.80	23.97	23.70	25.00
100	PI/2 BPSK	135	0	23.68	23.92	23.69	25.00
100	PI/2 BPSK	135	69	23.83	24.09	23.82	25.00
100	PI/2 BPSK	135	138	23.56	23.79	23.53	25.00
100	PI/2 BPSK	270	0	23.57	23.85	23.66	25.00
100	QPSK	1	1	23.93	24.22	24.05	25.00
100	QPSK	1	137	23.85	24.13	23.99	25.00
100	QPSK	1	271	23.74	24.00	23.76	25.00



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100	QPSK	135	0	23.70	23.96	23.73	25.00
100	QPSK	135	69	23.92	24.20	24.00	25.00
100	QPSK	135	138	23.52	23.80	23.55	25.00
100	QPSK	270	0	23.61	23.87	23.59	25.00
100	16QAM	1	1	23.86	24.03	23.83	25.00
100	64QAM	1	1	22.57	22.72	22.55	24.00
100	256QAM	1	1	20.44	20.66	20.49	22.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	24.04	24.23	24.05	25.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.96	24.10	24.08	25.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.99	24.17	24.04	25.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	24.05	24.12	24.07	25.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	24.07	24.13	24.07	25.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	24.02	24.21	24.02	25.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	24.01	24.13	24.00	25.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	24.09	24.18	24.11	25.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	24.09	24.14	24.01	25.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.99	24.18	24.08	25.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.96	24.15	24.07	25.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 9_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.98		17.00
100	PI/2 BPSK	1	137		15.77		17.00
100	PI/2 BPSK	1	271		15.83		17.00
100	PI/2 BPSK	135	0		15.72		17.00
100	PI/2 BPSK	135	69		15.95		17.00
100	PI/2 BPSK	135	138		15.76		17.00
100	PI/2 BPSK	270	0		15.87		17.00
100	QPSK	1	1		15.84		17.00
100	QPSK	1	137		15.71		17.00
100	QPSK	1	271		15.74		17.00
100	QPSK	135	0		15.74		17.00
100	QPSK	135	69		15.74		17.00
100	QPSK	135	138		15.78		17.00
100	QPSK	270	0		15.86		17.00
100	16QAM	1	1		15.81		17.00
100	64QAM	1	1		15.75		17.00
100	256QAM	1	1		15.75		17.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.91	15.94	15.92	17.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.81	15.90	15.83	17.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.86	15.84	15.86	17.00
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	15.77	15.90	15.91	17.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.83	15.86	15.86	17.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.83	15.86	15.79	17.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.85	15.85	15.88	17.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.86	15.86	15.88	17.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.79	15.91	15.79	17.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.88	15.85	15.79	17.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.87	15.84	15.91	17.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 9_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.11	16.12	16.08	17.00
100	PI/2 BPSK	1	137	15.75	15.83	15.76	17.00
100	PI/2 BPSK	1	271	15.68	15.84	15.79	17.00
100	PI/2 BPSK	135	0	15.75	15.85	15.78	17.00
100	PI/2 BPSK	135	69	15.89	15.99	15.86	17.00
100	PI/2 BPSK	135	138	15.72	15.82	15.70	17.00
100	PI/2 BPSK	270	0	15.85	15.88	15.76	17.00
100	QPSK	1	1	15.97	16.01	15.90	17.00
100	QPSK	1	137	15.81	15.88	15.79	17.00
100	QPSK	1	271	15.82	15.86	15.78	17.00
100	QPSK	135	0	15.75	15.81	15.70	17.00
100	QPSK	135	69	15.86	15.93	15.79	17.00
100	QPSK	135	138	15.77	15.83	15.77	17.00
100	QPSK	270	0	15.81	15.92	15.85	17.00
100	16QAM	1	1	15.82	15.93	15.86	17.00
100	64QAM	1	1	15.77	15.92	15.78	17.00
100	256QAM	1	1	15.89	15.91	15.80	17.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	15.99	15.97	15.97	17.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	16.07	16.02	16.04	17.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	16.09	16.01	15.95	17.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	15.96	16.10	16.02	17.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	16.06	16.08	16.05	17.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	16.03	16.07	16.03	17.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	16.06	16.10	15.97	17.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	16.07	16.05	16.04	17.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	16.00	16.04	16.00	17.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)



15	PI/2 BPSK	1	1	15.97	16.00	15.95	17.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	15.97	16.04	15.97	17.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 9_ECI3】

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		18.97		20.00
100	PI/2 BPSK	1	137		18.91		20.00
100	PI/2 BPSK	1	271		18.88		20.00
100	PI/2 BPSK	135	0		18.86		20.00
100	PI/2 BPSK	135	69		18.95		20.00
100	PI/2 BPSK	135	138		18.92		20.00
100	PI/2 BPSK	270	0		18.90		20.00
100	QPSK	1	1		18.79		20.00
100	QPSK	1	137		18.83		20.00
100	QPSK	1	271		18.85		20.00
100	QPSK	135	0		18.87		20.00
100	QPSK	135	69		18.81		20.00
100	QPSK	135	138		18.89		20.00
100	QPSK	270	0		18.85		20.00
100	16QAM	1	1		18.82		20.00
100	64QAM	1	1		18.76		20.00
100	256QAM	1	1		18.79		20.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.83	18.89	18.85	20.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.72	18.83	18.73	20.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.75	18.84	18.79	20.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.69	18.77	18.73	20.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.74	18.85	18.80	20.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.74	18.81	18.73	20.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.82	18.86	18.82	20.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.81	18.74	18.82	20.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.75	18.79	18.78	20.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	18.74	18.87	18.70	20.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.81	18.76	18.80	20.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 9_EC13】

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	18.95	18.98	18.92	20.00
100	PI/2 BPSK	1	137	18.74	18.89	18.72	20.00
100	PI/2 BPSK	1	271	18.87	18.92	18.80	20.00
100	PI/2 BPSK	135	0	18.83	18.90	18.73	20.00
100	PI/2 BPSK	135	69	18.87	18.94	18.80	20.00
100	PI/2 BPSK	135	138	18.84	18.91	18.71	20.00
100	PI/2 BPSK	270	0	18.67	18.85	18.71	20.00
100	QPSK	1	1	18.74	18.82	18.70	20.00
100	QPSK	1	137	18.82	18.89	18.80	20.00
100	QPSK	1	271	18.75	18.85	18.75	20.00
100	QPSK	135	0	18.72	18.86	18.75	20.00
100	QPSK	135	69	18.65	18.78	18.61	20.00
100	QPSK	135	138	18.57	18.73	18.54	20.00
100	QPSK	270	0	18.66	18.79	18.62	20.00
100	16QAM	1	1	18.67	18.82	18.71	20.00
100	64QAM	1	1	18.81	18.88	18.67	20.00
100	256QAM	1	1	18.80	18.84	18.65	20.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.89	18.93	18.89	20.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.80	18.90	18.90	20.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.88	18.85	18.80	20.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.90	18.85	18.89	20.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.83	18.83	18.88	20.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.83	18.92	18.90	20.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	18.84	18.89	18.90	20.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	18.87	18.89	18.86	20.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.92	18.91	18.89	20.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.85	18.86	18.80	20.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.83	18.87	18.89	20.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 9_EC14】

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		24.00		25.00
100	PI/2 BPSK	1	137		23.95		25.00
100	PI/2 BPSK	1	271		23.93		25.00
100	PI/2 BPSK	135	0		23.70		25.00
100	PI/2 BPSK	135	69		23.80		25.00
100	PI/2 BPSK	135	138		23.70		25.00
100	PI/2 BPSK	270	0		23.70		25.00
100	QPSK	1	1		23.94		25.00
100	QPSK	1	137		23.99		25.00
100	QPSK	1	271		23.99		25.00



100	QPSK	135	0		23.69		25.00
100	QPSK	135	69		23.84		25.00
100	QPSK	135	138		23.68		25.00
100	QPSK	270	0		23.70		25.00
100	16QAM	1	1		23.78		25.00
100	64QAM	1	1		22.42		24.00
100	256QAM	1	1		20.40		22.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.91	23.95	23.93	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.86	23.87	23.84	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.88	23.94	23.82	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.80	23.81	23.85	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.81	23.94	23.90	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.89	23.88	23.79	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.83	23.84	23.87	25.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.87	23.84	23.83	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.76	23.94	23.85	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.80	23.86	23.80	25.00
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	23.86	25.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 9_EC14】

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	24.10	24.25	24.12	25.00
100	PI/2 BPSK	1	137	23.90	24.06	23.79	25.00
100	PI/2 BPSK	1	271	23.80	23.97	23.70	25.00
100	PI/2 BPSK	135	0	23.68	23.92	23.69	25.00
100	PI/2 BPSK	135	69	23.83	24.09	23.82	25.00
100	PI/2 BPSK	135	138	23.56	23.79	23.53	25.00
100	PI/2 BPSK	270	0	23.57	23.85	23.66	25.00
100	QPSK	1	1	23.93	24.22	24.05	25.00
100	QPSK	1	137	23.85	24.13	23.99	25.00
100	QPSK	1	271	23.74	24.00	23.76	25.00
100	QPSK	135	0	23.70	23.96	23.73	25.00
100	QPSK	135	69	23.92	24.20	24.00	25.00
100	QPSK	135	138	23.52	23.80	23.55	25.00
100	QPSK	270	0	23.61	23.87	23.59	25.00
100	16QAM	1	1	23.86	24.03	23.83	25.00
100	64QAM	1	1	22.57	22.72	22.55	24.00
100	256QAM	1	1	20.44	20.66	20.49	22.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	24.04	24.23	24.05	25.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.96	24.10	24.08	25.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.99	24.17	24.04	25.00
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	24.05	24.12	24.07	25.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	24.07	24.13	24.07	25.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	24.02	24.21	24.02	25.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	24.01	24.13	24.00	25.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	24.09	24.18	24.11	25.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	24.09	24.14	24.01	25.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.99	24.18	24.08	25.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.96	24.15	24.07	25.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 9_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.98		17.00
100	PI/2 BPSK	1	137		15.77		17.00
100	PI/2 BPSK	1	271		15.83		17.00
100	PI/2 BPSK	135	0		15.72		17.00
100	PI/2 BPSK	135	69		15.95		17.00
100	PI/2 BPSK	135	138		15.76		17.00
100	PI/2 BPSK	270	0		15.77		17.00
100	QPSK	1	1		15.84		17.00
100	QPSK	1	137		15.71		17.00
100	QPSK	1	271		15.74		17.00
100	QPSK	135	0		15.74		17.00
100	QPSK	135	69		15.74		17.00
100	QPSK	135	138		15.78		17.00
100	QPSK	270	0		15.86		17.00
100	16QAM	1	1		15.81		17.00
100	64QAM	1	1		15.75		17.00
100	256QAM	1	1		15.75		17.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.91	15.94	15.92	17.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.81	15.90	15.83	17.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.86	15.84	15.86	17.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.77	15.90	15.91	17.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.83	15.86	15.86	17.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.83	15.86	15.79	17.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.85	15.85	15.88	17.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.86	15.86	15.88	17.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.79	15.91	15.79	17.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)



15	PI/2 BPSK	1	1	15.88	15.85	15.79	17.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.87	15.84	15.91	17.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 9_ECI5】

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	16.11	16.12	16.08	17.00
100	PI/2 BPSK	1	137	15.75	15.83	15.76	17.00
100	PI/2 BPSK	1	271	15.68	15.84	15.79	17.00
100	PI/2 BPSK	135	0	15.75	15.85	15.78	17.00
100	PI/2 BPSK	135	69	15.89	15.91	15.86	17.00
100	PI/2 BPSK	135	138	15.72	15.82	15.70	17.00
100	PI/2 BPSK	270	0	15.85	15.88	15.76	17.00
100	QPSK	1	1	15.97	16.01	15.90	17.00
100	QPSK	1	137	15.81	15.88	15.79	17.00
100	QPSK	1	271	15.82	15.86	15.78	17.00
100	QPSK	135	0	15.75	15.81	15.70	17.00
100	QPSK	135	69	15.86	15.93	15.79	17.00
100	QPSK	135	138	15.77	15.83	15.77	17.00
100	QPSK	270	0	15.81	15.92	15.85	17.00
100	16QAM	1	1	15.82	15.93	15.86	17.00
100	64QAM	1	1	15.77	15.92	15.78	17.00
100	256QAM	1	1	15.89	15.91	15.80	17.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	15.99	15.97	15.97	17.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	16.07	16.02	16.04	17.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	16.09	16.01	15.95	17.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	15.96	16.10	16.02	17.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	16.06	16.08	16.05	17.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	16.03	16.07	16.03	17.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	16.06	16.10	15.97	17.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	16.07	16.05	16.04	17.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	16.00	16.04	16.00	17.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	15.97	16.00	15.95	17.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	15.97	16.04	15.97	17.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 9_Default】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.11		26.50
100	PI/2 BPSK	1	137		25.03		26.50
100	PI/2 BPSK	1	271		25.09		26.50
100	PI/2 BPSK	135	0		24.85		26.00
100	PI/2 BPSK	135	69		25.13		26.50
100	PI/2 BPSK	135	138		24.69		26.00
100	PI/2 BPSK	270	0		24.73		26.00
100	QPSK	1	1		25.19		26.50
100	QPSK	1	137		25.10		26.50
100	QPSK	1	271		24.90		26.50
100	QPSK	135	0		24.24		25.50
100	QPSK	135	69		25.31		26.50
100	QPSK	135	138		24.16		25.50
100	QPSK	270	0		24.25		25.50
100	16QAM	1	1		24.40		25.50
100	64QAM	1	1		22.11		24.00
100	256QAM	1	1		20.41		22.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.99	25.08	25.03	26.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	24.85	24.98	24.88	26.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.90	24.99	24.93	26.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.91	24.98	24.91	26.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	24.85	25.03	24.94	26.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	24.88	24.93	24.92	26.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	24.87	25.05	24.97	26.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	24.92	25.06	24.93	26.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	24.88	25.01	25.01	26.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	24.88	25.02	24.92	26.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.84	24.97	24.98	26.50

【FR1 n77 (27O)_FCC_Part 27O (3700~3980MHz)_HPUE_Ant 9_Default】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.32	25.33	25.12	26.50
100	PI/2 BPSK	1	137	25.14	25.21	24.89	26.50
100	PI/2 BPSK	1	271	25.03	25.17	24.82	26.50
100	PI/2 BPSK	135	0	24.78	24.90	24.66	26.00
100	PI/2 BPSK	135	69	25.10	25.21	24.90	26.50
100	PI/2 BPSK	135	138	24.62	24.78	24.45	26.00
100	PI/2 BPSK	270	0	24.84	24.88	24.62	26.00
100	QPSK	1	1	25.10	25.23	24.92	26.50
100	QPSK	1	137	25.10	25.13	24.88	26.50
100	QPSK	1	271	24.97	25.06	24.84	26.50



100	QPSK	135	0	24.28	24.39	24.16	25.50
100	QPSK	135	69	25.28	25.37	25.06	26.50
100	QPSK	135	138	24.23	24.32	24.04	25.50
100	QPSK	270	0	24.28	24.38	24.10	25.50
100	16QAM	1	1	24.29	24.42	24.17	25.50
100	64QAM	1	1	22.73	22.75	22.71	24.00
100	256QAM	1	1	20.74	20.75	20.54	22.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.30	25.30	25.07	26.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.22	25.24	24.97	26.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.30	25.29	25.04	26.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	25.19	25.31	24.98	26.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.22	25.29	25.02	26.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	25.17	25.18	25.02	26.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	25.30	25.27	25.04	26.50
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	25.28	25.31	25.07	26.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	25.17	25.25	25.04	26.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	25.23	25.22	25.05	26.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.20	25.24	25.04	26.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 9_ECI1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.09		20.00
100	PI/2 BPSK	1	137		18.80		20.00
100	PI/2 BPSK	1	271		18.89		20.00
100	PI/2 BPSK	135	0		18.89		20.00
100	PI/2 BPSK	135	69		19.04		20.00
100	PI/2 BPSK	135	138		18.83		20.00
100	PI/2 BPSK	270	0		18.93		20.00
100	QPSK	1	1		18.99		20.00
100	QPSK	1	137		18.84		20.00
100	QPSK	1	271		18.88		20.00
100	QPSK	135	0		18.84		20.00
100	QPSK	135	69		18.84		20.00
100	QPSK	135	138		18.80		20.00
100	QPSK	270	0		18.92		20.00
100	16QAM	1	1		18.99		20.00
100	64QAM	1	1		18.84		20.00
100	256QAM	1	1		18.85		20.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.91	18.96	18.93	20.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.77	18.92	18.81	20.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.80	18.86	18.92	20.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



60	PI/2 BPSK	1	1	18.82	18.86	18.84	20.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.86	18.83	18.83	20.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.83	18.87	18.90	20.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.86	18.86	18.83	20.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.81	18.86	18.85	20.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.84	18.82	18.80	20.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.79	18.85	18.89	20.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.85	18.89	18.89	20.00

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Ant 9_EC11】

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	19.16	19.18	19.15	20.00
100	PI/2 BPSK	1	137	18.83	18.99	18.86	20.00
100	PI/2 BPSK	1	271	18.85	19.01	18.85	20.00
100	PI/2 BPSK	135	0	18.82	18.87	18.73	20.00
100	PI/2 BPSK	135	69	19.09	19.12	19.06	20.00
100	PI/2 BPSK	135	138	18.78	18.81	18.63	20.00
100	PI/2 BPSK	270	0	18.94	18.98	18.91	20.00
100	QPSK	1	1	18.85	18.95	18.90	20.00
100	QPSK	1	137	18.75	18.81	18.66	20.00
100	QPSK	1	271	18.73	18.87	18.69	20.00
100	QPSK	135	0	18.71	18.81	18.71	20.00
100	QPSK	135	69	18.76	18.85	18.78	20.00
100	QPSK	135	138	18.85	18.88	18.82	20.00
100	QPSK	270	0	18.88	18.93	18.78	20.00
100	16QAM	1	1	18.80	18.93	18.85	20.00
100	64QAM	1	1	18.79	18.83	18.71	20.00
100	256QAM	1	1	18.74	18.86	18.69	20.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.00	19.02	18.99	20.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.02	19.14	19.07	20.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.03	19.07	19.13	20.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.05	19.15	19.10	20.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.05	19.04	19.05	20.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.04	19.10	19.03	20.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	19.04	19.12	19.10	20.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	19.09	19.06	19.10	20.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.09	19.08	19.12	20.00
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	19.04	19.12	19.03	20.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	19.13	19.07	19.09	20.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 9_EC13】

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		21.95		23.00
100	PI/2 BPSK	1	137		21.88		23.00
100	PI/2 BPSK	1	271		21.83		23.00
100	PI/2 BPSK	135	0		21.85		23.00
100	PI/2 BPSK	135	69		21.91		23.00
100	PI/2 BPSK	135	138		21.83		23.00
100	PI/2 BPSK	270	0		21.73		23.00
100	QPSK	1	1		21.75		23.00
100	QPSK	1	137		21.79		23.00
100	QPSK	1	271		21.84		23.00
100	QPSK	135	0		21.88		23.00
100	QPSK	135	69		21.83		23.00
100	QPSK	135	138		21.87		23.00
100	QPSK	270	0		21.82		23.00
100	16QAM	1	1		21.78		23.00
100	64QAM	1	1		21.76		23.00
100	256QAM	1	1		21.73		23.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.82	21.86	21.80	23.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	21.68	21.77	21.76	23.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.71	21.81	21.67	23.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	21.70	21.83	21.70	23.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.77	21.77	21.71	23.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.75	21.72	21.70	23.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.69	21.77	21.66	23.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	21.75	21.80	21.68	23.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	21.67	21.82	21.75	23.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	21.75	21.77	21.67	23.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.79	21.71	21.66	23.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 9_ECI3】

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	21.89	21.93	21.88	23.00
100	PI/2 BPSK	1	137	21.68	21.82	21.64	23.00
100	PI/2 BPSK	1	271	21.76	21.85	21.70	23.00
100	PI/2 BPSK	135	0	21.80	21.88	21.82	23.00
100	PI/2 BPSK	135	69	21.82	21.90	21.71	23.00
100	PI/2 BPSK	135	138	21.62	21.81	21.72	23.00
100	PI/2 BPSK	270	0	21.54	21.73	21.56	23.00
100	QPSK	1	1	21.67	21.79	21.69	23.00
100	QPSK	1	137	21.58	21.75	21.62	23.00
100	QPSK	1	271	21.62	21.78	21.65	23.00
100	QPSK	135	0	21.60	21.72	21.58	23.00
100	QPSK	135	69	21.76	21.87	21.76	23.00
100	QPSK	135	138	21.77	21.86	21.72	23.00
100	QPSK	270	0	21.73	21.82	21.67	23.00
100	16QAM	1	1	21.65	21.83	21.73	23.00
100	64QAM	1	1	21.60	21.77	21.64	23.00
100	256QAM	1	1	21.73	21.81	21.63	23.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.86	21.86	21.83	23.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.86	21.91	21.82	23.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.82	21.90	21.75	23.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.88	21.84	21.79	23.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.75	21.90	21.74	23.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.83	21.84	21.81	23.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.74	21.83	21.76	23.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	21.84	21.90	21.73	23.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.85	21.78	21.80	23.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.84	21.79	21.86	23.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.86	21.80	21.79	23.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 9_ECI4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.11		26.50
100	PI/2 BPSK	1	137		25.03		26.50
100	PI/2 BPSK	1	271		25.09		26.50
100	PI/2 BPSK	135	0		24.85		26.00
100	PI/2 BPSK	135	69		25.13		26.50
100	PI/2 BPSK	135	138		24.69		26.00
100	PI/2 BPSK	270	0		24.73		26.00
100	QPSK	1	1		25.19		26.50
100	QPSK	1	137		25.10		26.50
100	QPSK	1	271		24.90		26.50



100	QPSK	135	0		24.24		25.50
100	QPSK	135	69		25.31		26.50
100	QPSK	135	138		24.16		25.50
100	QPSK	270	0		24.25		25.50
100	16QAM	1	1		24.40		25.50
100	64QAM	1	1		22.11		24.00
100	256QAM	1	1		20.41		22.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.99	25.08	25.03	26.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	24.85	24.98	24.88	26.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.90	24.99	24.93	26.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.91	24.98	24.91	26.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	24.85	25.03	24.94	26.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	24.88	24.93	24.92	26.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	24.87	25.05	24.97	26.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	24.92	25.06	24.93	26.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	24.88	25.01	25.01	26.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	24.88	25.02	24.92	26.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.84	24.97	24.98	26.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 9_ECI4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.32	25.33	25.12	26.50
100	PI/2 BPSK	1	137	25.14	25.21	24.89	26.50
100	PI/2 BPSK	1	271	25.03	25.17	24.82	26.50
100	PI/2 BPSK	135	0	24.78	24.90	24.66	26.00
100	PI/2 BPSK	135	69	25.10	25.21	24.90	26.50
100	PI/2 BPSK	135	138	24.62	24.78	24.45	26.00
100	PI/2 BPSK	270	0	24.84	24.88	24.62	26.00
100	QPSK	1	1	25.10	25.23	24.92	26.50
100	QPSK	1	137	25.10	25.13	24.88	26.50
100	QPSK	1	271	24.97	25.06	24.84	26.50
100	QPSK	135	0	24.28	24.39	24.16	25.50
100	QPSK	135	69	25.28	25.37	25.06	26.50
100	QPSK	135	138	24.23	24.32	24.04	25.50
100	QPSK	270	0	24.28	24.38	24.10	25.50
100	16QAM	1	1	24.29	24.42	24.17	25.50
100	64QAM	1	1	22.73	22.75	22.71	24.00
100	256QAM	1	1	20.74	20.75	20.54	22.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.30	25.30	25.07	26.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.22	25.24	24.97	26.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.30	25.29	25.04	26.50
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	25.19	25.31	24.98	26.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.22	25.29	25.02	26.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.17	25.18	25.02	26.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.30	25.27	25.04	26.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	25.28	25.31	25.07	26.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.17	25.25	25.04	26.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.23	25.22	25.05	26.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.20	25.24	25.04	26.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 9_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.09		20.00
100	PI/2 BPSK	1	137		18.80		20.00
100	PI/2 BPSK	1	271		18.89		20.00
100	PI/2 BPSK	135	0		18.89		20.00
100	PI/2 BPSK	135	69		19.04		20.00
100	PI/2 BPSK	135	138		18.83		20.00
100	PI/2 BPSK	270	0		18.93		20.00
100	QPSK	1	1		18.99		20.00
100	QPSK	1	137		18.84		20.00
100	QPSK	1	271		18.88		20.00
100	QPSK	135	0		18.84		20.00
100	QPSK	135	69		18.84		20.00
100	QPSK	135	138		18.80		20.00
100	QPSK	270	0		18.92		20.00
100	16QAM	1	1		18.99		20.00
100	64QAM	1	1		18.84		20.00
100	256QAM	1	1		18.85		20.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.91	18.96	18.93	20.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.77	18.92	18.81	20.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.80	18.86	18.92	20.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.82	18.86	18.84	20.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.86	18.83	18.83	20.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.83	18.87	18.90	20.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.86	18.86	18.83	20.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.81	18.86	18.85	20.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.84	18.82	18.80	20.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	



15	PI/2 BPSK	1	1	18.79	18.85	18.89	20.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.85	18.89	18.89	20.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Ant 9_EC15】

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	19.16	19.18	19.15	20.00
100	PI/2 BPSK	1	137	18.83	18.99	18.86	20.00
100	PI/2 BPSK	1	271	18.85	19.01	18.85	20.00
100	PI/2 BPSK	135	0	18.82	18.87	18.73	20.00
100	PI/2 BPSK	135	69	19.09	19.12	19.06	20.00
100	PI/2 BPSK	135	138	18.78	18.81	18.63	20.00
100	PI/2 BPSK	270	0	18.94	18.98	18.91	20.00
100	QPSK	1	1	18.85	18.95	18.90	20.00
100	QPSK	1	137	18.75	18.81	18.66	20.00
100	QPSK	1	271	18.73	18.87	18.69	20.00
100	QPSK	135	0	18.71	18.81	18.71	20.00
100	QPSK	135	69	18.76	18.85	18.78	20.00
100	QPSK	135	138	18.85	18.88	18.82	20.00
100	QPSK	270	0	18.88	18.93	18.78	20.00
100	16QAM	1	1	18.80	18.93	18.85	20.00
100	64QAM	1	1	18.79	18.83	18.71	20.00
100	256QAM	1	1	18.74	18.86	18.69	20.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.00	19.02	18.99	20.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.02	19.14	19.07	20.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.03	19.07	19.13	20.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.05	19.15	19.10	20.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.05	19.04	19.05	20.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.04	19.10	19.03	20.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	19.04	19.12	19.10	20.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	19.09	19.06	19.10	20.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.09	19.08	19.12	20.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.04	19.12	19.03	20.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.13	19.07	19.09	20.00

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

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		25.64		26.00
100	PI/2 BPSK	1	137		25.44		26.00
100	PI/2 BPSK	1	271		25.61		26.00



100	PI/2 BPSK	135	0		25.49		26.00
100	PI/2 BPSK	135	69		25.59		26.00
100	PI/2 BPSK	135	138		25.31		26.00
100	PI/2 BPSK	270	0		25.35		26.00
100	QPSK	1	1		25.41		26.00
100	QPSK	1	137		25.61		26.00
100	QPSK	1	271		25.40		26.00
100	QPSK	135	0		25.45		26.00
100	QPSK	135	69		25.33		26.00
100	QPSK	135	138		25.25		26.00
100	QPSK	270	0		25.56		26.00
100	16QAM	1	1		25.62		26.00
100	64QAM	1	1		24.17		25.50
100	256QAM	1	1		23.69		24.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.59	25.60	25.48	26.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.55	25.49	25.35	26.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.55	25.50	25.43	26.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.47	25.56	25.34	26.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.51	25.56	25.47	26.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.52	25.50	25.37	26.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.53	25.50	25.41	26.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.55	25.47	25.34	26.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.49	25.46	25.38	26.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.44	25.57	25.37	26.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.50	25.57	25.43	26.00

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

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		25.66		26.00
100	PI/2 BPSK	1	137		25.65		26.00
100	PI/2 BPSK	1	271		25.65		26.00
100	PI/2 BPSK	135	0		25.56		26.00
100	PI/2 BPSK	135	69		25.61		26.00
100	PI/2 BPSK	135	138		25.45		26.00
100	PI/2 BPSK	270	0		25.40		26.00
100	QPSK	1	1		25.52		26.00
100	QPSK	1	137		25.61		26.00
100	QPSK	1	271		25.51		26.00
100	QPSK	135	0		25.49		26.00
100	QPSK	135	69		25.51		26.00
100	QPSK	135	138		25.43		26.00
100	QPSK	270	0		25.57		26.00
100	16QAM	1	1		25.68		26.00
100	64QAM	1	1		24.38		25.50
100	256QAM	1	1		23.81		24.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.60	25.62	25.56	26.00
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	25.53	25.52	25.48	26.00
				Frequency (MHz)	649000	650000	651000	Tune-up limit (dBm)
70	PI/2 BPSK	1	1	Channel	3735	3750	3765	(dBm)
				Frequency (MHz)	25.51	25.50	25.47	26.00
				Channel	648668	650000	651332	Tune-up limit (dBm)
60	PI/2 BPSK	1	1	Frequency (MHz)	3730.02	3750	3769.98	(dBm)
				Channel	25.52	25.58	25.43	26.00
				Frequency (MHz)	648334	650000	651666	Tune-up limit (dBm)
50	PI/2 BPSK	1	1	Channel	3725.01	3750	3774.99	(dBm)
				Frequency (MHz)	25.48	25.56	25.42	26.00
				Channel	648000	650000	652000	Tune-up limit (dBm)
40	PI/2 BPSK	1	1	Frequency (MHz)	3720	3750	3780	(dBm)
				Channel	25.51	25.51	25.44	26.00
				Frequency (MHz)	647668	650000	652332	Tune-up limit (dBm)
30	PI/2 BPSK	1	1	Channel	3715.02	3750	3784.98	(dBm)
				Frequency (MHz)	25.49	25.48	25.53	26.00
				Channel	647500	650000	652500	Tune-up limit (dBm)
25	PI/2 BPSK	1	1	Frequency (MHz)	3712.5	3750	3787.5	(dBm)
				Channel	25.47	25.60	25.53	26.00
				Frequency (MHz)	647334	650000	652666	Tune-up limit (dBm)
20	PI/2 BPSK	1	1	Channel	3710.01	3750	3789.99	(dBm)
				Frequency (MHz)	25.57	25.52	25.47	26.00
				Channel	647168	650000	652832	Tune-up limit (dBm)
15	PI/2 BPSK	1	1	Frequency (MHz)	3707.52	3750	3792.48	(dBm)
				Channel	25.56	25.56	25.51	26.00
				Frequency (MHz)	647000	650000	653000	Tune-up limit (dBm)
10	PI/2 BPSK	1	1	Channel	3705	3750	3795	(dBm)
				Frequency (MHz)	25.54	25.59	25.50	26.00

【FR1 n78 (27Q)___FCC_Part 27Q (3450~3550MHz)_Ant 6_EC11】

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		13.61		14.00
100	PI/2 BPSK	1	137		13.48		14.00
100	PI/2 BPSK	1	271		13.38		14.00
100	PI/2 BPSK	135	0		13.36		14.00
100	PI/2 BPSK	135	69		13.59		14.00
100	PI/2 BPSK	135	138		13.38		14.00
100	PI/2 BPSK	270	0		13.40		14.00
100	QPSK	1	1		13.49		14.00
100	QPSK	1	137		13.55		14.00
100	QPSK	1	271		13.54		14.00
100	QPSK	135	0		13.53		14.00
100	QPSK	135	69		13.46		14.00
100	QPSK	135	138		13.47		14.00
100	QPSK	270	0		13.46		14.00
100	16QAM	1	1		13.49		14.00
100	64QAM	1	1		13.51		14.00
100	256QAM	1	1		13.46		14.00
				633000	633332	633666	Tune-up limit (dBm)
				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.51	13.52	13.48	14.00
				632668	633332	634000	Tune-up limit (dBm)
				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.44	13.39	13.37	14.00
				632334	633332	634332	Tune-up limit (dBm)
				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.50	13.49	13.38	14.00
				632000	633332	634666	Tune-up limit (dBm)
				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.48	13.44	13.35	14.00
				631668	633332	635000	Tune-up limit (dBm)
				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.37	13.40	13.41	14.00
				631334	633332	635332	Tune-up limit (dBm)
				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.47	13.44	13.33	14.00
				631000	633332	635666	Tune-up limit (dBm)
				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.43	13.39	13.43	14.00
				630834	633332	635832	Tune-up limit

	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	13.45	13.48	13.46	14.00
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.43	13.37	13.40	14.00
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	13.44	13.45	13.37	14.00
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.39	13.42	13.45	14.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 6_ECI1】

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		13.65		14.00
100	PI/2 BPSK	1	137		13.50		14.00
100	PI/2 BPSK	1	271		13.32		14.00
100	PI/2 BPSK	135	0		13.37		14.00
100	PI/2 BPSK	135	69		13.53		14.00
100	PI/2 BPSK	135	138		13.43		14.00
100	PI/2 BPSK	270	0		13.41		14.00
100	QPSK	1	1		13.51		14.00
100	QPSK	1	137		13.54		14.00
100	QPSK	1	271		13.56		14.00
100	QPSK	135	0		13.52		14.00
100	QPSK	135	69		13.44		14.00
100	QPSK	135	138		13.45		14.00
100	QPSK	270	0		13.51		14.00
100	16QAM	1	1		13.56		14.00
100	64QAM	1	1		13.58		14.00
100	256QAM	1	1		13.50		14.00
	Channel			649668	650000	650332	Tune-up limit
	Frequency (MHz)			3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	13.51	13.53	13.51	14.00
	Channel			649334	650000	650666	Tune-up limit
	Frequency (MHz)			3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	13.44	13.40	13.39	14.00
	Channel			649000	650000	651000	Tune-up limit
	Frequency (MHz)			3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	13.42	13.45	13.41	14.00
	Channel			648668	650000	651332	Tune-up limit
	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	13.45	13.48	13.37	14.00
	Channel			648334	650000	651666	Tune-up limit
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	13.40	13.50	13.44	14.00
	Channel			648000	650000	652000	Tune-up limit
	Frequency (MHz)			3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	13.47	13.42	13.48	14.00
	Channel			647668	650000	652332	Tune-up limit
	Frequency (MHz)			3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	13.45	13.44	13.47	14.00
	Channel			647500	650000	652500	Tune-up limit
	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	13.43	13.50	13.36	14.00
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	13.46	13.42	13.39	14.00
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	13.47	13.45	13.39	14.00
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	13.37	13.48	13.47	14.00



【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_EC13】

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		17.54		18.00
100	PI/2 BPSK	1	137		17.51		18.00
100	PI/2 BPSK	1	271		17.47		18.00
100	PI/2 BPSK	135	0		17.40		18.00
100	PI/2 BPSK	135	69		17.53		18.00
100	PI/2 BPSK	135	138		17.42		18.00
100	PI/2 BPSK	270	0		17.45		18.00
100	QPSK	1	1		17.50		18.00
100	QPSK	1	137		17.43		18.00
100	QPSK	1	271		17.52		18.00
100	QPSK	135	0		17.43		18.00
100	QPSK	135	69		17.51		18.00
100	QPSK	135	138		17.49		18.00
100	QPSK	270	0		17.49		18.00
100	16QAM	1	1		17.40		18.00
100	64QAM	1	1		17.45		18.00
100	256QAM	1	1		17.42		18.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.43	17.46	17.41	18.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.42	17.43	17.27	18.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.41	17.39	17.33	18.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.32	17.36	17.36	18.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.38	17.33	17.31	18.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.38	17.36	17.36	18.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.36	17.36	17.33	18.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.42	17.43	17.27	18.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.40	17.38	17.27	18.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.28	17.35	17.29	18.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.37	17.44	17.36	18.00

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_Ant 6_EC13】

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		17.63		18.00
100	PI/2 BPSK	1	137		17.54		18.00
100	PI/2 BPSK	1	271		17.50		18.00
100	PI/2 BPSK	135	0		17.47		18.00
100	PI/2 BPSK	135	69		17.56		18.00
100	PI/2 BPSK	135	138		17.32		18.00
100	PI/2 BPSK	270	0		17.49		18.00
100	QPSK	1	1		17.51		18.00
100	QPSK	1	137		17.48		18.00
100	QPSK	1	271		17.53		18.00



100	QPSK	135	0		17.53		18.00
100	QPSK	135	69		17.40		18.00
100	QPSK	135	138		17.53		18.00
100	QPSK	270	0		17.49		18.00
100	16QAM	1	1		17.51		18.00
100	64QAM	1	1		17.55		18.00
100	256QAM	1	1		17.46		18.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.56	17.61	17.58	18.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.53	17.52	17.56	18.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.53	17.59	17.49	18.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.49	17.55	17.48	18.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.47	17.58	17.51	18.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.46	17.58	17.50	18.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.47	17.54	17.50	18.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.43	17.52	17.52	18.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.46	17.47	17.48	18.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.53	17.57	17.49	18.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.49	17.49	17.56	18.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_EC14】

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		25.64		26.00
100	PI/2 BPSK	1	137		25.44		26.00
100	PI/2 BPSK	1	271		25.61		26.00
100	PI/2 BPSK	135	0		25.49		26.00
100	PI/2 BPSK	135	69		25.59		26.00
100	PI/2 BPSK	135	138		25.31		26.00
100	PI/2 BPSK	270	0		25.35		26.00
100	QPSK	1	1		25.41		26.00
100	QPSK	1	137		25.61		26.00
100	QPSK	1	271		25.40		26.00
100	QPSK	135	0		25.45		26.00
100	QPSK	135	69		25.33		26.00
100	QPSK	135	138		25.25		26.00
100	QPSK	270	0		25.56		26.00
100	16QAM	1	1		25.62		26.00
100	64QAM	1	1		24.17		25.50
100	256QAM	1	1		23.69		24.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.59	25.60	25.48	26.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.55	25.49	25.35	26.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.55	25.50	25.43	26.00
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	25.47	25.56	25.34	26.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.51	25.56	25.47	26.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.52	25.50	25.37	26.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.53	25.50	25.41	26.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.55	25.47	25.34	26.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.49	25.46	25.38	26.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.44	25.57	25.37	26.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.50	25.57	25.43	26.00

【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 6_ECI4】

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		25.66		26.00
100	PI/2 BPSK	1	137		25.65		26.00
100	PI/2 BPSK	1	271		25.65		26.00
100	PI/2 BPSK	135	0		25.56		26.00
100	PI/2 BPSK	135	69		25.61		26.00
100	PI/2 BPSK	135	138		25.45		26.00
100	PI/2 BPSK	270	0		25.40		26.00
100	QPSK	1	1		25.52		26.00
100	QPSK	1	137		25.61		26.00
100	QPSK	1	271		25.51		26.00
100	QPSK	135	0		25.49		26.00
100	QPSK	135	69		25.51		26.00
100	QPSK	135	138		25.43		26.00
100	QPSK	270	0		25.57		26.00
100	16QAM	1	1		25.68		26.00
100	64QAM	1	1		24.38		25.50
100	256QAM	1	1		23.81		24.50
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.60	25.62	25.56	26.00
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.53	25.52	25.48	26.00
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.51	25.50	25.47	26.00
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.52	25.58	25.43	26.00
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.48	25.56	25.42	26.00
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.51	25.51	25.44	26.00
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	25.49	25.48	25.53	26.00
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	25.47	25.60	25.53	26.00
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.57	25.52	25.47	26.00
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	25.56	25.56	25.51	26.00
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.54	25.59	25.50	26.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_ECI5】

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		13.61		14.00
100	PI/2 BPSK	1	137		13.48		14.00
100	PI/2 BPSK	1	271		13.38		14.00
100	PI/2 BPSK	135	0		13.36		14.00
100	PI/2 BPSK	135	69		13.59		14.00
100	PI/2 BPSK	135	138		13.38		14.00
100	PI/2 BPSK	270	0		13.40		14.00
100	QPSK	1	1		13.49		14.00
100	QPSK	1	137		13.55		14.00
100	QPSK	1	271		13.54		14.00
100	QPSK	135	0		13.53		14.00
100	QPSK	135	69		13.46		14.00
100	QPSK	135	138		13.47		14.00
100	QPSK	270	0		13.46		14.00
100	16QAM	1	1		13.49		14.00
100	64QAM	1	1		13.51		14.00
100	256QAM	1	1		13.46		14.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.51	13.52	13.48	14.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.44	13.39	13.37	14.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.50	13.49	13.38	14.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.48	13.44	13.35	14.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.37	13.40	13.41	14.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.47	13.44	13.33	14.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.43	13.39	13.43	14.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	13.45	13.48	13.46	14.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.43	13.37	13.40	14.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.44	13.45	13.37	14.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.39	13.42	13.45	14.00

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

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		13.65		14.00
100	PI/2 BPSK	1	137		13.50		14.00
100	PI/2 BPSK	1	271		13.32		14.00
100	PI/2 BPSK	135	0		13.37		14.00
100	PI/2 BPSK	135	69		13.53		14.00
100	PI/2 BPSK	135	138		13.43		14.00
100	PI/2 BPSK	270	0		13.41		14.00
100	QPSK	1	1		13.51		14.00
100	QPSK	1	137		13.54		14.00
100	QPSK	1	271		13.56		14.00
100	QPSK	135	0		13.52		14.00
100	QPSK	135	69		13.44		14.00
100	QPSK	135	138		13.45		14.00
100	QPSK	270	0		13.51		14.00
100	16QAM	1	1		13.56		14.00
100	64QAM	1	1		13.58		14.00
100	256QAM	1	1		13.50		14.00
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	13.51	13.53	13.51	14.00
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	13.44	13.40	13.39	14.00
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	13.42	13.45	13.41	14.00
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	13.45	13.48	13.37	14.00
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	13.40	13.50	13.44	14.00
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	13.47	13.42	13.48	14.00
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	13.45	13.44	13.47	14.00
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	13.43	13.50	13.36	14.00
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	13.46	13.42	13.39	14.00
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	13.47	13.45	13.39	14.00
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	13.37	13.48	13.47	14.00

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

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		27.38		28.00
100	PI/2 BPSK	1	137		27.35		28.00
100	PI/2 BPSK	1	271		27.28		28.00
100	PI/2 BPSK	135	0		26.95		27.50
100	PI/2 BPSK	135	69		27.27		28.00
100	PI/2 BPSK	135	138		26.90		27.50
100	PI/2 BPSK	270	0		27.02		27.50
100	QPSK	1	1		27.16		28.00
100	QPSK	1	137		27.35		28.00
100	QPSK	1	271		27.11		28.00



100	QPSK	135	0		26.49		27.00
100	QPSK	135	69		27.26		28.00
100	QPSK	135	138		26.55		27.00
100	QPSK	270	0		26.65		27.00
100	16QAM	1	1		26.55		27.00
100	64QAM	1	1		24.57		25.50
100	256QAM	1	1		22.69		23.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	27.32	27.35	27.30	28.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	27.22	27.22	27.19	28.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	27.25	27.23	27.19	28.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	27.17	27.31	27.17	28.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	27.27	27.23	27.19	28.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	27.30	27.28	27.26	28.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	27.21	27.26	27.18	28.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	27.27	27.25	27.15	28.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	27.19	27.32	27.27	28.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	27.30	27.28	27.16	28.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	27.25	27.25	27.16	28.00

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

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		27.47		28.00
100	PI/2 BPSK	1	137		27.46		28.00
100	PI/2 BPSK	1	271		27.41		28.00
100	PI/2 BPSK	135	0		27.10		27.50
100	PI/2 BPSK	135	69		27.40		28.00
100	PI/2 BPSK	135	138		27.05		27.50
100	PI/2 BPSK	270	0		27.10		27.50
100	QPSK	1	1		27.38		28.00
100	QPSK	1	137		27.37		28.00
100	QPSK	1	271		27.32		28.00
100	QPSK	135	0		26.64		27.00
100	QPSK	135	69		27.44		28.00
100	QPSK	135	138		26.57		27.00
100	QPSK	270	0		26.65		27.00
100	16QAM	1	1		26.59		27.00
100	64QAM	1	1		24.77		25.50
100	256QAM	1	1		22.75		23.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	27.40	27.45	27.38	28.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	27.33	27.35	27.31	28.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	27.36	27.38	27.27	28.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)



60	PI/2 BPSK	1	1	27.37	27.37	27.36	28.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	27.36	27.42	27.36	28.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	27.33	27.42	27.26	28.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	27.36	27.39	27.25	28.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	27.29	27.31	27.35	28.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	27.29	27.36	27.27	28.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	27.26	27.31	27.33	28.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	27.37	27.38	27.30	28.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.46		17.00
100	PI/2 BPSK	1	137		16.26		17.00
100	PI/2 BPSK	1	271		16.20		17.00
100	PI/2 BPSK	135	0		16.11		17.00
100	PI/2 BPSK	135	69		16.43		17.00
100	PI/2 BPSK	135	138		16.19		17.00
100	PI/2 BPSK	270	0		16.17		17.00
100	QPSK	1	1		16.35		17.00
100	QPSK	1	137		16.31		17.00
100	QPSK	1	271		16.32		17.00
100	QPSK	135	0		16.29		17.00
100	QPSK	135	69		16.20		17.00
100	QPSK	135	138		16.20		17.00
100	QPSK	270	0		16.33		17.00
100	16QAM	1	1		16.24		17.00
100	64QAM	1	1		16.28		17.00
100	256QAM	1	1		16.19		17.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.38	16.41	16.39	17.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.24	16.32	16.27	17.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.34	16.27	16.28	17.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.35	16.27	16.37	17.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.31	16.39	16.30	17.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.27	16.27	16.27	17.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.34	16.35	16.27	17.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.25	16.33	16.37	17.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.24	16.33	16.27	17.00
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	16.30	16.31	16.25	17.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.33	16.35	16.29	17.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 6_EC1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.48		17.00
100	PI/2 BPSK	1	137		16.26		17.00
100	PI/2 BPSK	1	271		16.15		17.00
100	PI/2 BPSK	135	0		16.07		17.00
100	PI/2 BPSK	135	69		16.46		17.00
100	PI/2 BPSK	135	138		16.19		17.00
100	PI/2 BPSK	270	0		16.12		17.00
100	QPSK	1	1		16.40		17.00
100	QPSK	1	137		16.25		17.00
100	QPSK	1	271		16.30		17.00
100	QPSK	135	0		16.32		17.00
100	QPSK	135	69		16.22		17.00
100	QPSK	135	138		16.17		17.00
100	QPSK	270	0		16.39		17.00
100	16QAM	1	1		16.28		17.00
100	64QAM	1	1		16.25		17.00
100	256QAM	1	1		16.25		17.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	16.38	16.41	16.37	17.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	16.31	16.37	16.29	17.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	16.26	16.34	16.31	17.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	16.24	16.28	16.28	17.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	16.27	16.33	16.33	17.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	16.35	16.31	16.34	17.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.30	16.26	16.35	17.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	16.30	16.33	16.24	17.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	16.24	16.32	16.29	17.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	16.27	16.38	16.33	17.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	16.25	16.28	16.33	17.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_ECI3】

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		20.47		21.00
100	PI/2 BPSK	1	137		20.40		21.00
100	PI/2 BPSK	1	271		20.37		21.00
100	PI/2 BPSK	135	0		20.38		21.00
100	PI/2 BPSK	135	69		20.41		21.00
100	PI/2 BPSK	135	138		20.29		21.00
100	PI/2 BPSK	270	0		20.39		21.00
100	QPSK	1	1		20.35		21.00
100	QPSK	1	137		20.32		21.00
100	QPSK	1	271		20.41		21.00
100	QPSK	135	0		20.38		21.00
100	QPSK	135	69		20.42		21.00
100	QPSK	135	138		20.35		21.00
100	QPSK	270	0		20.35		21.00
100	16QAM	1	1		20.33		21.00
100	64QAM	1	1		20.29		21.00
100	256QAM	1	1		20.37		21.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.21	20.29	20.26	21.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.16	20.26	20.15	21.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.09	20.18	20.25	21.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.18	20.14	20.21	21.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.20	20.19	20.20	21.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.14	20.16	20.22	21.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.18	20.15	20.22	21.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.13	20.25	20.25	21.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.15	20.24	20.21	21.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.08	20.18	20.22	21.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.09	20.17	20.17	21.00

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_HPUE_Ant 6_ECI3】

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		20.57		21.00
100	PI/2 BPSK	1	137		20.56		21.00
100	PI/2 BPSK	1	271		20.53		21.00
100	PI/2 BPSK	135	0		20.47		21.00
100	PI/2 BPSK	135	69		20.56		21.00
100	PI/2 BPSK	135	138		20.33		21.00
100	PI/2 BPSK	270	0		20.45		21.00
100	QPSK	1	1		20.48		21.00
100	QPSK	1	137		20.47		21.00
100	QPSK	1	271		20.54		21.00



100	QPSK	135	0		20.40		21.00
100	QPSK	135	69		20.53		21.00
100	QPSK	135	138		20.44		21.00
100	QPSK	270	0		20.46		21.00
100	16QAM	1	1		20.44		21.00
100	64QAM	1	1		20.41		21.00
100	256QAM	1	1		20.50		21.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.43	20.46	20.41	21.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.36	20.43	20.30	21.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.35	20.36	20.38	21.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.37	20.40	20.32	21.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.33	20.34	20.38	21.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.37	20.38	20.28	21.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.31	20.45	20.38	21.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.30	20.33	20.33	21.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.31	20.37	20.26	21.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.39	20.43	20.35	21.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.39	20.34	20.37	21.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_EC14】

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		27.38		28.00
100	PI/2 BPSK	1	137		27.35		28.00
100	PI/2 BPSK	1	271		27.28		28.00
100	PI/2 BPSK	135	0		26.95		27.50
100	PI/2 BPSK	135	69		27.27		28.00
100	PI/2 BPSK	135	138		26.90		27.50
100	PI/2 BPSK	270	0		27.02		27.50
100	QPSK	1	1		27.16		28.00
100	QPSK	1	137		27.35		28.00
100	QPSK	1	271		27.11		28.00
100	QPSK	135	0		26.49		27.00
100	QPSK	135	69		27.26		28.00
100	QPSK	135	138		26.55		27.00
100	QPSK	270	0		26.65		27.00
100	16QAM	1	1		26.55		27.00
100	64QAM	1	1		24.57		25.50
100	256QAM	1	1		22.69		23.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	27.32	27.35	27.30	28.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	27.22	27.22	27.19	28.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	27.25	27.23	27.19	28.00
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	27.17	27.31	27.17	28.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	27.27	27.23	27.19	28.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	27.30	27.28	27.26	28.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	27.21	27.26	27.18	28.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	27.27	27.25	27.15	28.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	27.19	27.32	27.27	28.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	27.30	27.28	27.16	28.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	27.25	27.25	27.16	28.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 6_EC14】

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		27.47		28.00
100	PI/2 BPSK	1	137		27.46		28.00
100	PI/2 BPSK	1	271		27.41		28.00
100	PI/2 BPSK	135	0		27.10		27.50
100	PI/2 BPSK	135	69		27.40		28.00
100	PI/2 BPSK	135	138		27.05		27.50
100	PI/2 BPSK	270	0		27.10		27.50
100	QPSK	1	1		27.38		28.00
100	QPSK	1	137		27.37		28.00
100	QPSK	1	271		27.32		28.00
100	QPSK	135	0		26.64		27.00
100	QPSK	135	69		27.44		28.00
100	QPSK	135	138		26.57		27.00
100	QPSK	270	0		26.65		27.00
100	16QAM	1	1		26.59		27.00
100	64QAM	1	1		24.77		25.50
100	256QAM	1	1		22.75		23.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	27.40	27.45	27.38	28.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	27.33	27.35	27.31	28.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	27.36	27.38	27.27	28.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	27.37	27.37	27.36	28.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	27.36	27.42	27.36	28.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	27.33	27.42	27.26	28.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	27.36	27.39	27.25	28.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	27.29	27.31	27.35	28.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	27.29	27.36	27.27	28.00
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	27.26	27.31	27.33	28.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	27.37	27.38	27.30	28.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 6_EC15】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.46		17.00
100	PI/2 BPSK	1	137		16.26		17.00
100	PI/2 BPSK	1	271		16.20		17.00
100	PI/2 BPSK	135	0		16.11		17.00
100	PI/2 BPSK	135	69		16.43		17.00
100	PI/2 BPSK	135	138		16.19		17.00
100	PI/2 BPSK	270	0		16.17		17.00
100	QPSK	1	1		16.35		17.00
100	QPSK	1	137		16.31		17.00
100	QPSK	1	271		16.32		17.00
100	QPSK	135	0		16.29		17.00
100	QPSK	135	69		16.20		17.00
100	QPSK	135	138		16.20		17.00
100	QPSK	270	0		16.33		17.00
100	16QAM	1	1		16.24		17.00
100	64QAM	1	1		16.28		17.00
100	256QAM	1	1		16.19		17.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.38	16.41	16.39	17.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.24	16.32	16.27	17.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.34	16.27	16.28	17.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.35	16.27	16.37	17.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.31	16.39	16.30	17.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.27	16.27	16.27	17.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.34	16.35	16.27	17.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.25	16.33	16.37	17.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.24	16.33	16.27	17.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.30	16.31	16.25	17.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.33	16.35	16.29	17.00



【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 6_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.48		17.00
100	PI/2 BPSK	1	137		16.26		17.00
100	PI/2 BPSK	1	271		16.15		17.00
100	PI/2 BPSK	135	0		16.07		17.00
100	PI/2 BPSK	135	69		16.46		17.00
100	PI/2 BPSK	135	138		16.19		17.00
100	PI/2 BPSK	270	0		16.12		17.00
100	QPSK	1	1		16.40		17.00
100	QPSK	1	137		16.25		17.00
100	QPSK	1	271		16.30		17.00
100	QPSK	135	0		16.32		17.00
100	QPSK	135	69		16.22		17.00
100	QPSK	135	138		16.17		17.00
100	QPSK	270	0		16.39		17.00
100	16QAM	1	1		16.28		17.00
100	64QAM	1	1		16.25		17.00
100	256QAM	1	1		16.25		17.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	16.38	16.41	16.37	17.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	16.31	16.37	16.29	17.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	16.26	16.34	16.31	17.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	16.24	16.28	16.28	17.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	16.27	16.33	16.33	17.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	16.35	16.31	16.34	17.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.30	16.26	16.35	17.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	16.30	16.33	16.24	17.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	16.24	16.32	16.29	17.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	16.27	16.38	16.33	17.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	16.25	16.28	16.33	17.00

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

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		24.28		25.00
100	PI/2 BPSK	1	137		24.04		25.00
100	PI/2 BPSK	1	271		24.16		25.00
100	PI/2 BPSK	135	0		24.00		25.00
100	PI/2 BPSK	135	69		24.23		25.00
100	PI/2 BPSK	135	138		24.05		25.00
100	PI/2 BPSK	270	0		24.07		25.00
100	QPSK	1	1		24.17		25.00
100	QPSK	1	137		24.13		25.00
100	QPSK	1	271		24.16		25.00



100	QPSK	135	0		24.01		25.00
100	QPSK	135	69		23.96		25.00
100	QPSK	135	138		24.02		25.00
100	QPSK	270	0		24.11		25.00
100	16QAM	1	1		23.94		25.00
100	64QAM	1	1		23.23		24.00
100	256QAM	1	1		21.10		22.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.20	24.23	24.17	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	24.08	24.18	24.06	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.14	24.18	24.09	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.07	24.14	24.09	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	24.09	24.15	24.11	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	24.17	24.14	24.02	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	24.07	24.09	24.09	25.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	24.08	24.16	24.15	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	24.15	24.13	24.09	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	24.06	24.20	24.12	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.14	24.10	24.04	25.00

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

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		24.33		25.00
100	PI/2 BPSK	1	137		24.20		25.00
100	PI/2 BPSK	1	271		24.20		25.00
100	PI/2 BPSK	135	0		24.12		25.00
100	PI/2 BPSK	135	69		24.18		25.00
100	PI/2 BPSK	135	138		24.09		25.00
100	PI/2 BPSK	270	0		24.11		25.00
100	QPSK	1	1		24.23		25.00
100	QPSK	1	137		24.32		25.00
100	QPSK	1	271		24.29		25.00
100	QPSK	135	0		24.21		25.00
100	QPSK	135	69		24.15		25.00
100	QPSK	135	138		24.11		25.00
100	QPSK	270	0		24.16		25.00
100	16QAM	1	1		24.15		25.00
100	64QAM	1	1		23.31		24.00
100	256QAM	1	1		21.29		22.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	24.27	24.31	24.30	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	24.24	24.25	24.28	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	24.17	24.20	24.24	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)



60	PI/2 BPSK	1	1	24.18	24.27	24.15	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	24.24	24.20	24.16	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	24.14	24.22	24.22	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	24.23	24.26	24.29	25.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	24.20	24.18	24.25	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	24.23	24.28	24.16	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	24.13	24.18	24.16	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	24.12	24.23	24.26	25.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.23		16.00
100	PI/2 BPSK	1	137		15.01		16.00
100	PI/2 BPSK	1	271		15.05		16.00
100	PI/2 BPSK	135	0		15.06		16.00
100	PI/2 BPSK	135	69		15.22		16.00
100	PI/2 BPSK	135	138		14.94		16.00
100	PI/2 BPSK	270	0		15.05		16.00
100	QPSK	1	1		15.08		16.00
100	QPSK	1	137		14.99		16.00
100	QPSK	1	271		15.11		16.00
100	QPSK	135	0		15.10		16.00
100	QPSK	135	69		15.15		16.00
100	QPSK	135	138		15.02		16.00
100	QPSK	270	0		15.01		16.00
100	16QAM	1	1		15.05		16.00
100	64QAM	1	1		15.09		16.00
100	256QAM	1	1		15.08		16.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.11	15.16	15.13	16.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.06	15.08	15.09	16.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.98	15.09	15.00	16.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.00	15.07	15.00	16.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.01	15.14	15.05	16.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.00	15.11	15.02	16.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.03	15.08	15.03	16.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.04	15.12	14.98	16.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.01	15.04	15.02	16.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)



15	PI/2 BPSK	1	1	15.03	15.09	15.12	16.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.06	15.09	15.06	16.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 7_ECI1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.35		16.00
100	PI/2 BPSK	1	137		15.25		16.00
100	PI/2 BPSK	1	271		15.23		16.00
100	PI/2 BPSK	135	0		15.29		16.00
100	PI/2 BPSK	135	69		15.33		16.00
100	PI/2 BPSK	135	138		15.13		16.00
100	PI/2 BPSK	270	0		15.31		16.00
100	QPSK	1	1		15.32		16.00
100	QPSK	1	137		15.22		16.00
100	QPSK	1	271		15.27		16.00
100	QPSK	135	0		15.31		16.00
100	QPSK	135	69		15.31		16.00
100	QPSK	135	138		15.30		16.00
100	QPSK	270	0		15.26		16.00
100	16QAM	1	1		15.27		16.00
100	64QAM	1	1		15.27		16.00
100	256QAM	1	1		15.31		16.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.28	15.30	15.22	16.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.20	15.21	15.10	16.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.26	15.23	15.09	16.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.21	15.28	15.07	16.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.17	15.23	15.07	16.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.21	15.28	15.20	16.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.22	15.20	15.07	16.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.14	15.23	15.20	16.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.17	15.23	15.09	16.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.16	15.24	15.08	16.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.23	15.26	15.18	16.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_ECI3】

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		17.77		18.50
100	PI/2 BPSK	1	137		17.61		18.50
100	PI/2 BPSK	1	271		17.56		18.50



100	PI/2 BPSK	135	0		17.54		18.50
100	PI/2 BPSK	135	69		17.73		18.50
100	PI/2 BPSK	135	138		17.51		18.50
100	PI/2 BPSK	270	0		17.51		18.50
100	QPSK	1	1		17.58		18.50
100	QPSK	1	137		17.48		18.50
100	QPSK	1	271		17.54		18.50
100	QPSK	135	0		17.62		18.50
100	QPSK	135	69		17.66		18.50
100	QPSK	135	138		17.60		18.50
100	QPSK	270	0		17.65		18.50
100	16QAM	1	1		17.64		18.50
100	64QAM	1	1		17.62		18.50
100	256QAM	1	1		17.63		18.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.61	17.65	17.59	18.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.58	17.54	17.52	18.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.48	17.60	17.53	18.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.59	17.62	17.54	18.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.51	17.62	17.51	18.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.47	17.60	17.45	18.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.54	17.61	17.52	18.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.51	17.53	17.55	18.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.52	17.57	17.55	18.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.51	17.62	17.51	18.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.49	17.53	17.50	18.50

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 7_EC13】

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		17.79		18.50
100	PI/2 BPSK	1	137		17.54		18.50
100	PI/2 BPSK	1	271		17.51		18.50
100	PI/2 BPSK	135	0		17.62		18.50
100	PI/2 BPSK	135	69		17.75		18.50
100	PI/2 BPSK	135	138		17.46		18.50
100	PI/2 BPSK	270	0		17.62		18.50
100	QPSK	1	1		17.65		18.50
100	QPSK	1	137		17.60		18.50
100	QPSK	1	271		17.56		18.50
100	QPSK	135	0		17.63		18.50
100	QPSK	135	69		17.50		18.50
100	QPSK	135	138		17.61		18.50
100	QPSK	270	0		17.59		18.50
100	16QAM	1	1		17.58		18.50
100	64QAM	1	1		17.66		18.50
100	256QAM	1	1		17.51		18.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.49	17.66	17.51	18.50
Channel				649334	650000	650666	Tune-up limit



Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.45	17.55	17.43	18.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.39	17.56	17.48	18.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.44	17.62	17.38	18.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.36	17.62	17.49	18.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.39	17.55	17.40	18.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.45	17.56	17.45	18.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.41	17.65	17.40	18.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.39	17.59	17.49	18.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.39	17.57	17.39	18.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.40	17.52	17.48	18.50

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Ant 7_ECI4】

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		24.28		25.00
100	PI/2 BPSK	1	137		24.04		25.00
100	PI/2 BPSK	1	271		24.16		25.00
100	PI/2 BPSK	135	0		24.00		25.00
100	PI/2 BPSK	135	69		24.23		25.00
100	PI/2 BPSK	135	138		24.05		25.00
100	PI/2 BPSK	270	0		24.07		25.00
100	QPSK	1	1		24.17		25.00
100	QPSK	1	137		24.13		25.00
100	QPSK	1	271		24.16		25.00
100	QPSK	135	0		24.01		25.00
100	QPSK	135	69		23.96		25.00
100	QPSK	135	138		24.02		25.00
100	QPSK	270	0		24.11		25.00
100	16QAM	1	1		23.94		25.00
100	64QAM	1	1		23.23		24.00
100	256QAM	1	1		21.10		22.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.20	24.23	24.17	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	24.08	24.18	24.06	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.14	24.18	24.09	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.07	24.14	24.09	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	24.09	24.15	24.11	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	24.17	24.14	24.02	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	24.07	24.09	24.09	25.00
Channel				630834	633332	635832	Tune-up limit



Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	24.08	24.16	24.15	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	24.15	24.13	24.09	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	24.06	24.20	24.12	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.14	24.10	24.04	25.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 7_ECI4】

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		24.33		25.00
100	PI/2 BPSK	1	137		24.20		25.00
100	PI/2 BPSK	1	271		24.20		25.00
100	PI/2 BPSK	135	0		24.12		25.00
100	PI/2 BPSK	135	69		24.18		25.00
100	PI/2 BPSK	135	138		24.09		25.00
100	PI/2 BPSK	270	0		24.11		25.00
100	QPSK	1	1		24.23		25.00
100	QPSK	1	137		24.32		25.00
100	QPSK	1	271		24.29		25.00
100	QPSK	135	0		24.21		25.00
100	QPSK	135	69		24.15		25.00
100	QPSK	135	138		24.11		25.00
100	QPSK	270	0		24.16		25.00
100	16QAM	1	1		24.15		25.00
100	64QAM	1	1		23.31		24.00
100	256QAM	1	1		21.29		22.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	24.27	24.31	24.30	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	24.24	24.25	24.28	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	24.17	24.20	24.24	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	24.18	24.27	24.15	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	24.24	24.20	24.16	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	24.14	24.22	24.22	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	24.23	24.26	24.29	25.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	24.20	24.18	24.25	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	24.23	24.28	24.16	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	24.13	24.18	24.16	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	24.12	24.23	24.26	25.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.23		16.00
100	PI/2 BPSK	1	137		15.01		16.00
100	PI/2 BPSK	1	271		15.05		16.00
100	PI/2 BPSK	135	0		15.06		16.00
100	PI/2 BPSK	135	69		15.22		16.00
100	PI/2 BPSK	135	138		14.94		16.00
100	PI/2 BPSK	270	0		15.05		16.00
100	QPSK	1	1		15.08		16.00
100	QPSK	1	137		14.99		16.00
100	QPSK	1	271		15.11		16.00
100	QPSK	135	0		15.10		16.00
100	QPSK	135	69		15.15		16.00
100	QPSK	135	138		15.02		16.00
100	QPSK	270	0		15.01		16.00
100	16QAM	1	1		15.05		16.00
100	64QAM	1	1		15.09		16.00
100	256QAM	1	1		15.08		16.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.11	15.16	15.13	16.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.06	15.08	15.09	16.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.98	15.09	15.00	16.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.00	15.07	15.00	16.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.01	15.14	15.05	16.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.00	15.11	15.02	16.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.03	15.08	15.03	16.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.04	15.12	14.98	16.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.01	15.04	15.02	16.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.03	15.09	15.12	16.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.06	15.09	15.06	16.00

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_Ant 7_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.35		16.00
100	PI/2 BPSK	1	137		15.25		16.00
100	PI/2 BPSK	1	271		15.23		16.00
100	PI/2 BPSK	135	0		15.29		16.00
100	PI/2 BPSK	135	69		15.33		16.00
100	PI/2 BPSK	135	138		15.13		16.00
100	PI/2 BPSK	270	0		15.31		16.00
100	QPSK	1	1		15.32		16.00
100	QPSK	1	137		15.22		16.00
100	QPSK	1	271		15.27		16.00



100	QPSK	135	0		15.31		16.00
100	QPSK	135	69		15.31		16.00
100	QPSK	135	138		15.30		16.00
100	QPSK	270	0		15.26		16.00
100	16QAM	1	1		15.27		16.00
100	64QAM	1	1		15.27		16.00
100	256QAM	1	1		15.31		16.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.28	15.30	15.22	16.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.20	15.21	15.10	16.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.26	15.23	15.09	16.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.21	15.28	15.07	16.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.17	15.23	15.07	16.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.21	15.28	15.20	16.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.22	15.20	15.07	16.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.14	15.23	15.20	16.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.17	15.23	15.09	16.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.16	15.24	15.08	16.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.23	15.26	15.18	16.00

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

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		25.70		27.00
100	PI/2 BPSK	1	137		25.57		27.00
100	PI/2 BPSK	1	271		25.60		27.00
100	PI/2 BPSK	135	0		25.05		26.50
100	PI/2 BPSK	135	69		25.65		27.00
100	PI/2 BPSK	135	138		25.18		26.50
100	PI/2 BPSK	270	0		25.16		26.50
100	QPSK	1	1		25.46		27.00
100	QPSK	1	137		25.51		27.00
100	QPSK	1	271		25.62		27.00
100	QPSK	135	0		24.62		26.00
100	QPSK	135	69		25.72		27.00
100	QPSK	135	138		24.76		26.00
100	QPSK	270	0		24.68		26.00
100	16QAM	1	1		24.49		26.00
100	64QAM	1	1		23.21		24.50
100	256QAM	1	1		21.27		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.58	25.61	25.53	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.56	25.57	25.49	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.51	25.52	25.51	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



60	PI/2 BPSK	1	1	25.45	25.51	25.49	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.52	25.53	25.46	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.53	25.56	25.52	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.51	25.54	25.42	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.53	25.59	25.51	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.46	25.49	25.48	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.46	25.50	25.49	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.53	25.58	25.51	27.00

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

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		25.68		27.00
100	PI/2 BPSK	1	137		25.52		27.00
100	PI/2 BPSK	1	271		25.61		27.00
100	PI/2 BPSK	135	0		25.06		26.50
100	PI/2 BPSK	135	69		25.54		27.00
100	PI/2 BPSK	135	138		25.17		26.50
100	PI/2 BPSK	270	0		24.98		26.50
100	QPSK	1	1		25.43		27.00
100	QPSK	1	137		25.51		27.00
100	QPSK	1	271		25.53		27.00
100	QPSK	135	0		24.44		26.00
100	QPSK	135	69		25.68		27.00
100	QPSK	135	138		24.69		26.00
100	QPSK	270	0		24.47		26.00
100	16QAM	1	1		24.37		26.00
100	64QAM	1	1		23.18		24.50
100	256QAM	1	1		21.14		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.51	25.60	25.58	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.48	25.47	25.55	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.39	25.51	25.50	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.36	25.50	25.48	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.40	25.50	25.49	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.41	25.53	25.46	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.47	25.53	25.49	27.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.46	25.57	25.49	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.37	25.47	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	25.43	25.52	25.52	27.00
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.46	25.57	25.50	27.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_EC1】

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		17.75		19.00
100	PI/2 BPSK	1	137		17.67		19.00
100	PI/2 BPSK	1	271		17.63		19.00
100	PI/2 BPSK	135	0		17.64		19.00
100	PI/2 BPSK	135	69		17.71		19.00
100	PI/2 BPSK	135	138		17.61		19.00
100	PI/2 BPSK	270	0		17.68		19.00
100	QPSK	1	1		17.62		19.00
100	QPSK	1	137		17.63		19.00
100	QPSK	1	271		17.71		19.00
100	QPSK	135	0		17.66		19.00
100	QPSK	135	69		17.61		19.00
100	QPSK	135	138		17.55		19.00
100	QPSK	270	0		17.67		19.00
100	16QAM	1	1		17.67		19.00
100	64QAM	1	1		17.66		19.00
100	256QAM	1	1		17.57		19.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.58	17.63	17.61	19.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.49	17.51	17.49	19.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.56	17.62	17.57	19.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.46	17.57	17.50	19.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.48	17.54	17.53	19.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.46	17.54	17.53	19.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.54	17.58	17.54	19.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	17.49	17.60	17.55	19.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.45	17.61	17.48	19.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.56	17.48	17.53	19.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.52	17.58	17.57	19.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 7_ECI1】

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		17.78		19.00
100	PI/2 BPSK	1	137		17.71		19.00
100	PI/2 BPSK	1	271		17.72		19.00
100	PI/2 BPSK	135	0		17.71		19.00
100	PI/2 BPSK	135	69		17.75		19.00
100	PI/2 BPSK	135	138		17.64		19.00
100	PI/2 BPSK	270	0		17.76		19.00
100	QPSK	1	1		17.68		19.00
100	QPSK	1	137		17.62		19.00
100	QPSK	1	271		17.68		19.00
100	QPSK	135	0		17.66		19.00
100	QPSK	135	69		17.64		19.00
100	QPSK	135	138		17.62		19.00
100	QPSK	270	0		17.63		19.00
100	16QAM	1	1		17.71		19.00
100	64QAM	1	1		17.56		19.00
100	256QAM	1	1		17.74		19.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.62	17.66	17.61	19.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.61	17.56	17.49	19.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.48	17.55	17.53	19.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.58	17.64	17.60	19.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.48	17.60	17.51	19.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.54	17.55	17.53	19.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.60	17.56	17.50	19.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.55	17.56	17.51	19.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.58	17.52	17.47	19.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.48	17.56	17.59	19.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.49	17.54	17.58	19.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI3】

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		20.86		21.50
100	PI/2 BPSK	1	137		20.74		21.50
100	PI/2 BPSK	1	271		20.67		21.50
100	PI/2 BPSK	135	0		20.61		21.50
100	PI/2 BPSK	135	69		20.82		21.50
100	PI/2 BPSK	135	138		20.67		21.50
100	PI/2 BPSK	270	0		20.59		21.50
100	QPSK	1	1		20.61		21.50
100	QPSK	1	137		20.58		21.50
100	QPSK	1	271		20.71		21.50



100	QPSK	135	0		20.68		21.50
100	QPSK	135	69		20.70		21.50
100	QPSK	135	138		20.74		21.50
100	QPSK	270	0		20.72		21.50
100	16QAM	1	1		20.69		21.50
100	64QAM	1	1		20.70		21.50
100	256QAM	1	1		20.80		21.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.68	20.73	20.65	21.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.65	20.71	20.52	21.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.65	20.70	20.52	21.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.58	20.67	20.55	21.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.62	20.59	20.50	21.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.57	20.59	20.64	21.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.62	20.68	20.52	21.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	20.60	20.58	20.59	21.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.67	20.69	20.58	21.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.56	20.60	20.51	21.50
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	20.51	21.50

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 7_ECI3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.94		21.50
100	PI/2 BPSK	1	137		20.78		21.50
100	PI/2 BPSK	1	271		20.67		21.50
100	PI/2 BPSK	135	0		20.69		21.50
100	PI/2 BPSK	135	69		20.78		21.50
100	PI/2 BPSK	135	138		20.60		21.50
100	PI/2 BPSK	270	0		20.54		21.50
100	QPSK	1	1		20.69		21.50
100	QPSK	1	137		20.61		21.50
100	QPSK	1	271		20.63		21.50
100	QPSK	135	0		20.74		21.50
100	QPSK	135	69		20.82		21.50
100	QPSK	135	138		20.68		21.50
100	QPSK	270	0		20.80		21.50
100	16QAM	1	1		20.67		21.50
100	64QAM	1	1		20.80		21.50
100	256QAM	1	1		20.72		21.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.75	20.83	20.73	21.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.65	20.68	20.64	21.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.69	20.77	20.69	21.50
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	20.71	20.80	20.62	21.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.72	20.74	20.69	21.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.73	20.78	20.63	21.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.62	20.81	20.70	21.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.69	20.81	20.72	21.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.63	20.70	20.70	21.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.66	20.73	20.64	21.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.71	20.79	20.67	21.50

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_EC14】

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		25.70		27.00
100	PI/2 BPSK	1	137		25.57		27.00
100	PI/2 BPSK	1	271		25.60		27.00
100	PI/2 BPSK	135	0		25.05		26.50
100	PI/2 BPSK	135	69		25.65		27.00
100	PI/2 BPSK	135	138		25.18		26.50
100	PI/2 BPSK	270	0		25.16		26.50
100	QPSK	1	1		25.46		27.00
100	QPSK	1	137		25.51		27.00
100	QPSK	1	271		25.62		27.00
100	QPSK	135	0		24.62		26.00
100	QPSK	135	69		25.72		27.00
100	QPSK	135	138		24.76		26.00
100	QPSK	270	0		24.68		26.00
100	16QAM	1	1		24.49		26.00
100	64QAM	1	1		23.21		24.50
100	256QAM	1	1		21.27		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.58	25.61	25.53	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.56	25.57	25.49	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.51	25.52	25.51	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.45	25.51	25.49	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.52	25.53	25.46	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.53	25.56	25.52	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.51	25.54	25.42	27.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.53	25.59	25.51	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.46	25.49	25.48	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)



15	PI/2 BPSK	1	1	25.46	25.50	25.49	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.53	25.58	25.51	27.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 7_ECI4】

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		25.68		27.00
100	PI/2 BPSK	1	137		25.52		27.00
100	PI/2 BPSK	1	271		25.61		27.00
100	PI/2 BPSK	135	0		25.06		26.50
100	PI/2 BPSK	135	69		25.54		27.00
100	PI/2 BPSK	135	138		25.17		26.50
100	PI/2 BPSK	270	0		24.98		26.50
100	QPSK	1	1		25.43		27.00
100	QPSK	1	137		25.51		27.00
100	QPSK	1	271		25.53		27.00
100	QPSK	135	0		24.44		26.00
100	QPSK	135	69		25.68		27.00
100	QPSK	135	138		24.69		26.00
100	QPSK	270	0		24.47		26.00
100	16QAM	1	1		24.37		26.00
100	64QAM	1	1		23.18		24.50
100	256QAM	1	1		21.14		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.51	25.60	25.58	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.48	25.47	25.55	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.39	25.51	25.50	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.36	25.50	25.48	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.40	25.50	25.49	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.41	25.53	25.46	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.47	25.53	25.49	27.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.46	25.57	25.49	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.37	25.47	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	25.43	25.52	25.52	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.46	25.57	25.50	27.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 7_ECI5】

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		17.75		19.00
100	PI/2 BPSK	1	137		17.67		19.00
100	PI/2 BPSK	1	271		17.63		19.00



100	PI/2 BPSK	135	0		17.64		19.00
100	PI/2 BPSK	135	69		17.71		19.00
100	PI/2 BPSK	135	138		17.61		19.00
100	PI/2 BPSK	270	0		17.68		19.00
100	QPSK	1	1		17.62		19.00
100	QPSK	1	137		17.63		19.00
100	QPSK	1	271		17.71		19.00
100	QPSK	135	0		17.66		19.00
100	QPSK	135	69		17.61		19.00
100	QPSK	135	138		17.55		19.00
100	QPSK	270	0		17.67		19.00
100	16QAM	1	1		17.67		19.00
100	64QAM	1	1		17.66		19.00
100	256QAM	1	1		17.57		19.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.58	17.63	17.61	19.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.49	17.51	17.49	19.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.56	17.62	17.57	19.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.46	17.57	17.50	19.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.48	17.54	17.53	19.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.46	17.54	17.53	19.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.54	17.58	17.54	19.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	17.49	17.60	17.55	19.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.45	17.61	17.48	19.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.56	17.48	17.53	19.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.52	17.58	17.57	19.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 7_EC15】

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		17.78		19.00
100	PI/2 BPSK	1	137		17.71		19.00
100	PI/2 BPSK	1	271		17.72		19.00
100	PI/2 BPSK	135	0		17.71		19.00
100	PI/2 BPSK	135	69		17.75		19.00
100	PI/2 BPSK	135	138		17.64		19.00
100	PI/2 BPSK	270	0		17.76		19.00
100	QPSK	1	1		17.68		19.00
100	QPSK	1	137		17.62		19.00
100	QPSK	1	271		17.68		19.00
100	QPSK	135	0		17.66		19.00
100	QPSK	135	69		17.64		19.00
100	QPSK	135	138		17.62		19.00
100	QPSK	270	0		17.63		19.00
100	16QAM	1	1		17.71		19.00
100	64QAM	1	1		17.56		19.00
100	256QAM	1	1		17.74		19.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.62	17.66	17.61	19.00
Channel				649334	650000	650666	Tune-up limit



Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.61	17.56	17.49	19.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.48	17.55	17.53	19.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.58	17.64	17.60	19.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.48	17.60	17.51	19.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.54	17.55	17.53	19.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.60	17.56	17.50	19.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.55	17.56	17.51	19.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.58	17.52	17.47	19.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.48	17.56	17.59	19.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.49	17.54	17.58	19.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_Default】

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		25.51		26.00
100	PI/2 BPSK	1	137		25.41		26.00
100	PI/2 BPSK	1	271		25.49		26.00
100	PI/2 BPSK	135	0		25.27		26.00
100	PI/2 BPSK	135	69		25.37		26.00
100	PI/2 BPSK	135	138		25.28		26.00
100	PI/2 BPSK	270	0		25.28		26.00
100	QPSK	1	1		25.42		26.00
100	QPSK	1	137		25.41		26.00
100	QPSK	1	271		25.50		26.00
100	QPSK	135	0		25.30		26.00
100	QPSK	135	69		25.42		26.00
100	QPSK	135	138		25.29		26.00
100	QPSK	270	0		25.31		26.00
100	16QAM	1	1		25.38		26.00
100	64QAM	1	1		24.58		25.00
100	256QAM	1	1		22.53		23.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.42	25.48	25.45	26.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.30	25.40	25.39	26.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.37	25.38	25.40	26.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.37	25.41	25.34	26.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.28	25.36	25.40	26.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.31	25.34	25.43	26.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.38	25.43	25.31	26.00
Channel				630834	633332	635832	Tune-up limit



	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	25.38	25.38	25.36	26.00
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.30	25.45	25.38	26.00
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.31	25.40	25.40	26.00
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.36	25.41	25.34	26.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 8_Default】

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		25.50		26.00
100	PI/2 BPSK	1	137		25.27		26.00
100	PI/2 BPSK	1	271		25.43		26.00
100	PI/2 BPSK	135	0		25.21		26.00
100	PI/2 BPSK	135	69		25.31		26.00
100	PI/2 BPSK	135	138		25.07		26.00
100	PI/2 BPSK	270	0		25.13		26.00
100	QPSK	1	1		25.39		26.00
100	QPSK	1	137		25.20		26.00
100	QPSK	1	271		25.52		26.00
100	QPSK	135	0		25.19		26.00
100	QPSK	135	69		25.21		26.00
100	QPSK	135	138		25.15		26.00
100	QPSK	270	0		25.27		26.00
100	16QAM	1	1		25.24		26.00
100	64QAM	1	1		24.55		25.00
100	256QAM	1	1		22.38		23.00
	Channel			649668	650000	650332	Tune-up limit
	Frequency (MHz)			3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.39	25.44	25.41	26.00
	Channel			649334	650000	650666	Tune-up limit
	Frequency (MHz)			3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.37	25.37	25.36	26.00
	Channel			649000	650000	651000	Tune-up limit
	Frequency (MHz)			3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.24	25.36	25.33	26.00
	Channel			648668	650000	651332	Tune-up limit
	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.37	25.34	25.36	26.00
	Channel			648334	650000	651666	Tune-up limit
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.38	25.33	25.30	26.00
	Channel			648000	650000	652000	Tune-up limit
	Frequency (MHz)			3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.37	25.41	25.30	26.00
	Channel			647668	650000	652332	Tune-up limit
	Frequency (MHz)			3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.25	25.40	25.29	26.00
	Channel			647500	650000	652500	Tune-up limit
	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.26	25.34	25.26	26.00
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.32	25.34	25.37	26.00
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.34	25.33	25.35	26.00
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.30	25.43	25.33	26.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_ECI1】

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		12.89		14.00
100	PI/2 BPSK	1	137		12.70		14.00
100	PI/2 BPSK	1	271		12.76		14.00
100	PI/2 BPSK	135	0		12.83		14.00
100	PI/2 BPSK	135	69		12.87		14.00
100	PI/2 BPSK	135	138		12.64		14.00
100	PI/2 BPSK	270	0		12.79		14.00
100	QPSK	1	1		12.83		14.00
100	QPSK	1	137		12.65		14.00
100	QPSK	1	271		12.75		14.00
100	QPSK	135	0		12.76		14.00
100	QPSK	135	69		12.58		14.00
100	QPSK	135	138		12.66		14.00
100	QPSK	270	0		12.67		14.00
100	16QAM	1	1		12.68		14.00
100	64QAM	1	1		12.73		14.00
100	256QAM	1	1		12.69		14.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	12.81	12.86	12.83	14.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	12.77	12.84	12.77	14.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	12.67	12.85	12.80	14.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	12.74	12.84	12.69	14.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	12.72	12.82	12.78	14.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	12.74	12.84	12.71	14.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	12.77	12.73	12.73	14.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	12.68	12.78	12.74	14.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	12.77	12.74	12.74	14.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	12.76	12.72	12.78	14.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	12.72	12.82	12.75	14.00

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_Ant 8_ECI1】

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		13.01		14.00
100	PI/2 BPSK	1	137		13.00		14.00
100	PI/2 BPSK	1	271		12.95		14.00
100	PI/2 BPSK	135	0		12.84		14.00
100	PI/2 BPSK	135	69		12.95		14.00
100	PI/2 BPSK	135	138		12.90		14.00
100	PI/2 BPSK	270	0		12.91		14.00
100	QPSK	1	1		12.95		14.00
100	QPSK	1	137		12.99		14.00
100	QPSK	1	271		12.94		14.00



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100	QPSK	135	0		12.82		14.00
100	QPSK	135	69		13.00		14.00
100	QPSK	135	138		12.87		14.00
100	QPSK	270	0		12.90		14.00
100	16QAM	1	1		12.91		14.00
100	64QAM	1	1		12.48		14.00
100	256QAM	1	1		12.48		14.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	12.93	13.00	12.99	14.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	12.81	12.86	12.93	14.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	12.92	12.98	12.95	14.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	12.81	12.88	12.91	14.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	12.90	12.93	12.92	14.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	12.90	12.95	12.92	14.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	12.85	12.90	12.88	14.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	12.81	12.97	12.94	14.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	12.92	12.88	12.92	14.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	12.81	12.94	12.84	14.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	12.85	12.95	12.88	14.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_EC13】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.98		18.00
100	PI/2 BPSK	1	137		16.91		18.00
100	PI/2 BPSK	1	271		16.93		18.00
100	PI/2 BPSK	135	0		16.87		18.00
100	PI/2 BPSK	135	69		16.95		18.00
100	PI/2 BPSK	135	138		16.92		18.00
100	PI/2 BPSK	270	0		16.90		18.00
100	QPSK	1	1		16.88		18.00
100	QPSK	1	137		16.83		18.00
100	QPSK	1	271		16.85		18.00
100	QPSK	135	0		16.89		18.00
100	QPSK	135	69		16.82		18.00
100	QPSK	135	138		16.84		18.00
100	QPSK	270	0		16.81		18.00
100	16QAM	1	1		16.80		18.00
100	64QAM	1	1		16.86		18.00
100	256QAM	1	1		16.83		18.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.81	16.85	16.83	18.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.79	16.81	16.71	18.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.78	16.79	16.72	18.00
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	16.70	16.84	16.73	18.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.79	16.80	16.78	18.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.74	16.80	16.70	18.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.79	16.81	16.76	18.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.67	16.80	16.74	18.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.72	16.77	16.71	18.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.68	16.71	16.77	18.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.69	16.75	16.73	18.00

【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 8_ECI3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.96		18.00
100	PI/2 BPSK	1	137		16.91		18.00
100	PI/2 BPSK	1	271		16.87		18.00
100	PI/2 BPSK	135	0		16.85		18.00
100	PI/2 BPSK	135	69		16.93		18.00
100	PI/2 BPSK	135	138		16.90		18.00
100	PI/2 BPSK	270	0		16.83		18.00
100	QPSK	1	1		16.81		18.00
100	QPSK	1	137		16.77		18.00
100	QPSK	1	271		16.79		18.00
100	QPSK	135	0		16.75		18.00
100	QPSK	135	69		16.83		18.00
100	QPSK	135	138		16.88		18.00
100	QPSK	270	0		16.82		18.00
100	16QAM	1	1		16.78		18.00
100	64QAM	1	1		16.83		18.00
100	256QAM	1	1		16.79		18.00
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	16.81	16.85	16.80	18.00
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	16.75	16.81	16.70	18.00
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	16.70	16.71	16.71	18.00
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	16.69	16.71	16.68	18.00
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	16.67	16.72	16.74	18.00
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	16.72	16.81	16.70	18.00
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	16.75	16.72	16.70	18.00
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	16.79	16.79	16.73	18.00
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	16.70	16.81	16.78	18.00
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	

15	PI/2 BPSK	1	1	16.79	16.81	16.72	18.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	16.74	16.82	16.70	18.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_ECI4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.98		18.00
100	PI/2 BPSK	1	137		16.91		18.00
100	PI/2 BPSK	1	271		16.93		18.00
100	PI/2 BPSK	135	0		16.87		18.00
100	PI/2 BPSK	135	69		16.95		18.00
100	PI/2 BPSK	135	138		16.92		18.00
100	PI/2 BPSK	270	0		16.90		18.00
100	QPSK	1	1		16.88		18.00
100	QPSK	1	137		16.83		18.00
100	QPSK	1	271		16.85		18.00
100	QPSK	135	0		16.89		18.00
100	QPSK	135	69		16.82		18.00
100	QPSK	135	138		16.84		18.00
100	QPSK	270	0		16.81		18.00
100	16QAM	1	1		16.80		18.00
100	64QAM	1	1		16.86		18.00
100	256QAM	1	1		16.83		18.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.81	16.85	16.83	18.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.79	16.81	16.71	18.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.78	16.79	16.72	18.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.70	16.84	16.73	18.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.79	16.80	16.78	18.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.74	16.80	16.70	18.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.79	16.81	16.76	18.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	16.67	16.80	16.74	18.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.72	16.77	16.71	18.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.68	16.71	16.77	18.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.69	16.75	16.73	18.00

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_Ant 8_ECI4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.96		18.00
100	PI/2 BPSK	1	137		16.91		18.00
100	PI/2 BPSK	1	271		16.87		18.00



100	PI/2 BPSK	135	0		16.85		18.00
100	PI/2 BPSK	135	69		16.93		18.00
100	PI/2 BPSK	135	138		16.90		18.00
100	PI/2 BPSK	270	0		16.83		18.00
100	QPSK	1	1		16.81		18.00
100	QPSK	1	137		16.77		18.00
100	QPSK	1	271		16.79		18.00
100	QPSK	135	0		16.75		18.00
100	QPSK	135	69		16.83		18.00
100	QPSK	135	138		16.88		18.00
100	QPSK	270	0		16.82		18.00
100	16QAM	1	1		16.78		18.00
100	64QAM	1	1		16.83		18.00
100	256QAM	1	1		16.79		18.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	16.81	16.85	16.80	18.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	16.75	16.81	16.70	18.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	16.70	16.71	16.71	18.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	16.69	16.71	16.68	18.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	16.67	16.72	16.74	18.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	16.72	16.81	16.70	18.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.75	16.72	16.70	18.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	16.79	16.79	16.73	18.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	16.70	16.81	16.78	18.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	16.79	16.81	16.72	18.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	16.74	16.82	16.70	18.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_EC15】

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		12.89		14.00
100	PI/2 BPSK	1	137		12.70		14.00
100	PI/2 BPSK	1	271		12.76		14.00
100	PI/2 BPSK	135	0		12.83		14.00
100	PI/2 BPSK	135	69		12.87		14.00
100	PI/2 BPSK	135	138		12.64		14.00
100	PI/2 BPSK	270	0		12.79		14.00
100	QPSK	1	1		12.83		14.00
100	QPSK	1	137		12.65		14.00
100	QPSK	1	271		12.75		14.00
100	QPSK	135	0		12.76		14.00
100	QPSK	135	69		12.58		14.00
100	QPSK	135	138		12.66		14.00
100	QPSK	270	0		12.67		14.00
100	16QAM	1	1		12.68		14.00
100	64QAM	1	1		12.73		14.00
100	256QAM	1	1		12.69		14.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	12.81	12.86	12.83	14.00
Channel				632668	633332	634000	Tune-up limit



Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	12.77	12.84	12.77	14.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	12.67	12.85	12.80	14.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	12.74	12.84	12.69	14.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	12.72	12.82	12.78	14.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	12.74	12.84	12.71	14.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	12.77	12.73	12.73	14.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	12.68	12.78	12.74	14.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	12.77	12.74	12.74	14.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	12.76	12.72	12.78	14.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	12.72	12.82	12.75	14.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 8_ECI5】

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		13.01		14.00
100	PI/2 BPSK	1	137		13.00		14.00
100	PI/2 BPSK	1	271		12.95		14.00
100	PI/2 BPSK	135	0		12.84		14.00
100	PI/2 BPSK	135	69		12.95		14.00
100	PI/2 BPSK	135	138		12.90		14.00
100	PI/2 BPSK	270	0		12.91		14.00
100	QPSK	1	1		12.95		14.00
100	QPSK	1	137		12.99		14.00
100	QPSK	1	271		12.94		14.00
100	QPSK	135	0		12.82		14.00
100	QPSK	135	69		13.00		14.00
100	QPSK	135	138		12.87		14.00
100	QPSK	270	0		12.90		14.00
100	16QAM	1	1		12.91		14.00
100	64QAM	1	1		12.48		14.00
100	256QAM	1	1		12.48		14.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	12.93	13.00	12.99	14.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	12.81	12.86	12.93	14.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	12.92	12.98	12.95	14.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	12.81	12.88	12.91	14.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	12.90	12.93	12.92	14.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	12.90	12.95	12.92	14.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	12.85	12.90	12.88	14.00
Channel				647500	650000	652500	Tune-up limit



	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	12.81	12.97	12.94	14.00
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	12.92	12.88	12.92	14.00
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	12.81	12.94	12.84	14.00
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	12.85	12.95	12.88	14.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_Default】

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		27.20		28.50
100	PI/2 BPSK	1	137		27.13		28.50
100	PI/2 BPSK	1	271		27.06		28.50
100	PI/2 BPSK	135	0		26.63		28.00
100	PI/2 BPSK	135	69		27.17		28.50
100	PI/2 BPSK	135	138		26.64		28.00
100	PI/2 BPSK	270	0		26.74		28.00
100	QPSK	1	1		27.02		28.50
100	QPSK	1	137		27.02		28.50
100	QPSK	1	271		26.99		28.50
100	QPSK	135	0		26.14		27.50
100	QPSK	135	69		27.06		28.50
100	QPSK	135	138		26.11		27.50
100	QPSK	270	0		26.25		27.50
100	16QAM	1	1		26.13		27.50
100	64QAM	1	1		24.54		26.00
100	256QAM	1	1		22.57		24.00
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	27.13	27.15	27.10	28.50
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	27.12	27.04	27.06	28.50
	Channel			632334	633332	634332	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	27.09	27.12	27.03	28.50
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	27.00	27.14	27.07	28.50
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	27.02	27.10	27.05	28.50
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	27.03	27.02	27.07	28.50
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	27.03	27.10	27.09	28.50
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.99	27.05	27.04	28.50
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	27.05	27.05	27.01	28.50
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	27.02	27.03	27.03	28.50
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	27.09	27.06	26.98	28.50

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 8_Default】

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		27.22		28.50
100	PI/2 BPSK	1	137		27.15		28.50
100	PI/2 BPSK	1	271		27.21		28.50
100	PI/2 BPSK	135	0		26.73		28.00
100	PI/2 BPSK	135	69		27.19		28.50
100	PI/2 BPSK	135	138		26.72		28.00
100	PI/2 BPSK	270	0		26.78		28.00
100	QPSK	1	1		27.05		28.50
100	QPSK	1	137		27.06		28.50
100	QPSK	1	271		27.11		28.50
100	QPSK	135	0		26.22		27.50
100	QPSK	135	69		27.20		28.50
100	QPSK	135	138		26.26		27.50
100	QPSK	270	0		26.27		27.50
100	16QAM	1	1		26.24		27.50
100	64QAM	1	1		24.65		26.00
100	256QAM	1	1		22.59		24.00
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	27.09	27.12	27.10	28.50
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	27.03	27.07	27.00	28.50
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	27.00	26.97	26.99	28.50
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	27.00	27.06	27.03	28.50
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	27.00	27.00	27.03	28.50
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	27.07	27.08	27.00	28.50
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	27.08	27.02	26.98	28.50
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	27.00	27.06	27.09	28.50
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	27.08	27.01	27.04	28.50
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	27.01	27.09	26.97	28.50
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	27.00	27.09	26.97	28.50

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.95		17.00
100	PI/2 BPSK	1	137		15.77		17.00
100	PI/2 BPSK	1	271		15.65		17.00
100	PI/2 BPSK	135	0		15.66		17.00
100	PI/2 BPSK	135	69		15.82		17.00
100	PI/2 BPSK	135	138		15.58		17.00
100	PI/2 BPSK	270	0		15.71		17.00
100	QPSK	1	1		15.67		17.00
100	QPSK	1	137		15.73		17.00
100	QPSK	1	271		15.73		17.00



100	QPSK	135	0		15.79		17.00
100	QPSK	135	69		15.70		17.00
100	QPSK	135	138		15.64		17.00
100	QPSK	270	0		15.73		17.00
100	16QAM	1	1		15.78		17.00
100	64QAM	1	1		15.58		17.00
100	256QAM	1	1		15.69		17.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.88	15.91	15.86	17.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.77	15.77	15.80	17.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.78	15.90	15.84	17.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.75	15.86	15.84	17.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.84	15.80	15.83	17.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.81	15.80	15.78	17.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.82	15.79	15.81	17.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.82	15.77	15.72	17.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.80	15.86	15.79	17.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.85	15.78	15.81	17.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.82	15.88	15.71	17.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 8_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.11		17.00
100	PI/2 BPSK	1	137		15.99		17.00
100	PI/2 BPSK	1	271		15.87		17.00
100	PI/2 BPSK	135	0		15.98		17.00
100	PI/2 BPSK	135	69		16.08		17.00
100	PI/2 BPSK	135	138		15.94		17.00
100	PI/2 BPSK	270	0		15.86		17.00
100	QPSK	1	1		16.01		17.00
100	QPSK	1	137		15.89		17.00
100	QPSK	1	271		15.86		17.00
100	QPSK	135	0		15.87		17.00
100	QPSK	135	69		15.95		17.00
100	QPSK	135	138		15.93		17.00
100	QPSK	270	0		15.83		17.00
100	16QAM	1	1		15.82		17.00
100	64QAM	1	1		15.81		17.00
100	256QAM	1	1		15.80		17.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.93	15.98	15.95	17.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.89	15.92	15.89	17.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.83	15.83	15.88	17.00
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	15.82	15.94	15.92	17.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.89	15.88	15.82	17.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.87	15.91	15.88	17.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.88	15.95	15.88	17.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.82	15.91	15.80	17.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.82	15.85	15.82	17.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.83	15.83	15.85	17.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.84	15.85	15.88	17.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_ECI3】

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		19.95		21.00
100	PI/2 BPSK	1	137		19.88		21.00
100	PI/2 BPSK	1	271		19.93		21.00
100	PI/2 BPSK	135	0		19.90		21.00
100	PI/2 BPSK	135	69		19.91		21.00
100	PI/2 BPSK	135	138		19.85		21.00
100	PI/2 BPSK	270	0		19.83		21.00
100	QPSK	1	1		19.81		21.00
100	QPSK	1	137		19.88		21.00
100	QPSK	1	271		19.87		21.00
100	QPSK	135	0		19.76		21.00
100	QPSK	135	69		19.83		21.00
100	QPSK	135	138		19.82		21.00
100	QPSK	270	0		19.77		21.00
100	16QAM	1	1		19.72		21.00
100	64QAM	1	1		19.83		21.00
100	256QAM	1	1		19.80		21.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	19.82	19.86	19.85	21.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	19.71	19.73	19.72	21.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	19.77	19.75	19.82	21.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	19.70	19.75	19.74	21.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	19.68	19.71	19.82	21.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	19.72	19.76	19.83	21.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	19.76	19.77	19.70	21.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	19.73	19.72	19.80	21.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	19.75	19.73	19.82	21.00
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	19.69	19.82	19.71	21.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	19.72	19.79	19.81	21.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 8_EC13】

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		19.97		21.00
100	PI/2 BPSK	1	137		19.92		21.00
100	PI/2 BPSK	1	271		19.90		21.00
100	PI/2 BPSK	135	0		19.86		21.00
100	PI/2 BPSK	135	69		19.94		21.00
100	PI/2 BPSK	135	138		19.93		21.00
100	PI/2 BPSK	270	0		19.89		21.00
100	QPSK	1	1		19.83		21.00
100	QPSK	1	137		19.81		21.00
100	QPSK	1	271		19.85		21.00
100	QPSK	135	0		19.88		21.00
100	QPSK	135	69		19.81		21.00
100	QPSK	135	138		19.73		21.00
100	QPSK	270	0		19.77		21.00
100	16QAM	1	1		19.76		21.00
100	64QAM	1	1		19.75		21.00
100	256QAM	1	1		19.82		21.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	19.86	19.90	19.83	21.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	19.81	19.76	19.82	21.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	19.82	19.81	19.74	21.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	19.79	19.84	19.76	21.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	19.75	19.75	19.69	21.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	19.84	19.84	19.69	21.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	19.78	19.83	19.74	21.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	19.83	19.82	19.75	21.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	19.82	19.78	19.80	21.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	19.79	19.84	19.74	21.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	19.78	19.83	19.72	21.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_ECI4】

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		19.95		21.00
100	PI/2 BPSK	1	137		19.88		21.00
100	PI/2 BPSK	1	271		19.93		21.00
100	PI/2 BPSK	135	0		19.90		21.00
100	PI/2 BPSK	135	69		19.91		21.00
100	PI/2 BPSK	135	138		19.85		21.00
100	PI/2 BPSK	270	0		19.83		21.00
100	QPSK	1	1		19.81		21.00
100	QPSK	1	137		19.88		21.00
100	QPSK	1	271		19.87		21.00
100	QPSK	135	0		19.76		21.00
100	QPSK	135	69		19.83		21.00
100	QPSK	135	138		19.82		21.00
100	QPSK	270	0		19.77		21.00
100	16QAM	1	1		19.72		21.00
100	64QAM	1	1		19.83		21.00
100	256QAM	1	1		19.80		21.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.82	19.86	19.85	21.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.71	19.73	19.72	21.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.77	19.75	19.82	21.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.70	19.75	19.74	21.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.68	19.71	19.82	21.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.72	19.76	19.83	21.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.76	19.77	19.70	21.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.73	19.72	19.80	21.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.75	19.73	19.82	21.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.69	19.82	19.71	21.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.72	19.79	19.81	21.00

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_HPUE_Ant 8_ECI4】

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		19.97		21.00
100	PI/2 BPSK	1	137		19.92		21.00
100	PI/2 BPSK	1	271		19.90		21.00
100	PI/2 BPSK	135	0		19.86		21.00
100	PI/2 BPSK	135	69		19.94		21.00
100	PI/2 BPSK	135	138		19.93		21.00
100	PI/2 BPSK	270	0		19.89		21.00
100	QPSK	1	1		19.83		21.00
100	QPSK	1	137		19.81		21.00
100	QPSK	1	271		19.85		21.00



100	QPSK	135	0		19.88		21.00
100	QPSK	135	69		19.81		21.00
100	QPSK	135	138		19.73		21.00
100	QPSK	270	0		19.77		21.00
100	16QAM	1	1		19.76		21.00
100	64QAM	1	1		19.75		21.00
100	256QAM	1	1		19.82		21.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	19.86	19.90	19.83	21.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	19.81	19.76	19.82	21.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	19.82	19.81	19.74	21.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	19.79	19.84	19.76	21.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	19.75	19.75	19.69	21.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	19.84	19.84	19.69	21.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	19.78	19.83	19.74	21.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	19.83	19.82	19.75	21.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	19.82	19.78	19.80	21.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	19.79	19.84	19.74	21.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	19.78	19.83	19.72	21.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 8_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.95		17.00
100	PI/2 BPSK	1	137		15.77		17.00
100	PI/2 BPSK	1	271		15.65		17.00
100	PI/2 BPSK	135	0		15.66		17.00
100	PI/2 BPSK	135	69		15.82		17.00
100	PI/2 BPSK	135	138		15.58		17.00
100	PI/2 BPSK	270	0		15.71		17.00
100	QPSK	1	1		15.67		17.00
100	QPSK	1	137		15.73		17.00
100	QPSK	1	271		15.73		17.00
100	QPSK	135	0		15.79		17.00
100	QPSK	135	69		15.70		17.00
100	QPSK	135	138		15.64		17.00
100	QPSK	270	0		15.73		17.00
100	16QAM	1	1		15.78		17.00
100	64QAM	1	1		15.58		17.00
100	256QAM	1	1		15.69		17.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.88	15.91	15.86	17.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.77	15.77	15.80	17.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.78	15.90	15.84	17.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



60	PI/2 BPSK	1	1	15.75	15.86	15.84	17.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.84	15.80	15.83	17.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.81	15.80	15.78	17.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.82	15.79	15.81	17.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.82	15.77	15.72	17.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.80	15.86	15.79	17.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.85	15.78	15.81	17.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.82	15.88	15.71	17.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 8_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.11		17.00
100	PI/2 BPSK	1	137		15.99		17.00
100	PI/2 BPSK	1	271		15.87		17.00
100	PI/2 BPSK	135	0		15.98		17.00
100	PI/2 BPSK	135	69		16.08		17.00
100	PI/2 BPSK	135	138		15.94		17.00
100	PI/2 BPSK	270	0		15.86		17.00
100	QPSK	1	1		16.01		17.00
100	QPSK	1	137		15.89		17.00
100	QPSK	1	271		15.86		17.00
100	QPSK	135	0		15.87		17.00
100	QPSK	135	69		15.95		17.00
100	QPSK	135	138		15.93		17.00
100	QPSK	270	0		15.83		17.00
100	16QAM	1	1		15.82		17.00
100	64QAM	1	1		15.81		17.00
100	256QAM	1	1		15.80		17.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.93	15.98	15.95	17.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.89	15.92	15.89	17.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.83	15.83	15.88	17.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.82	15.94	15.92	17.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.89	15.88	15.82	17.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.87	15.91	15.88	17.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.88	15.95	15.88	17.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.82	15.91	15.80	17.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.82	15.85	15.82	17.00
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	15.83	15.83	15.85	17.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.84	15.85	15.88	17.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 9_Default】

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		25.00		26.00
100	PI/2 BPSK	1	137		24.83		26.00
100	PI/2 BPSK	1	271		24.88		26.00
100	PI/2 BPSK	135	0		24.63		26.00
100	PI/2 BPSK	135	69		24.79		26.00
100	PI/2 BPSK	135	138		24.69		26.00
100	PI/2 BPSK	270	0		24.67		26.00
100	QPSK	1	1		24.93		26.00
100	QPSK	1	137		24.94		26.00
100	QPSK	1	271		24.91		26.00
100	QPSK	135	0		24.67		26.00
100	QPSK	135	69		24.84		26.00
100	QPSK	135	138		24.70		26.00
100	QPSK	270	0		24.71		26.00
100	16QAM	1	1		24.84		26.00
100	64QAM	1	1		23.93		25.00
100	256QAM	1	1		22.07		23.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.83	24.89	24.87	26.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	24.78	24.81	24.74	26.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.82	24.82	24.77	26.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.76	24.79	24.76	26.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	24.82	24.88	24.81	26.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	24.79	24.75	24.74	26.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	24.70	24.83	24.75	26.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	24.81	24.87	24.82	26.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	24.77	24.79	24.84	26.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	24.79	24.76	24.75	26.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.72	24.83	24.75	26.00

【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 9_Default】

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		25.31		26.00
100	PI/2 BPSK	1	137		25.05		26.00
100	PI/2 BPSK	1	271		25.08		26.00
100	PI/2 BPSK	135	0		25.02		26.00
100	PI/2 BPSK	135	69		25.14		26.00
100	PI/2 BPSK	135	138		25.00		26.00
100	PI/2 BPSK	270	0		25.03		26.00
100	QPSK	1	1		25.14		26.00
100	QPSK	1	137		25.26		26.00
100	QPSK	1	271		25.22		26.00
100	QPSK	135	0		25.09		26.00
100	QPSK	135	69		25.14		26.00
100	QPSK	135	138		25.04		26.00
100	QPSK	270	0		25.05		26.00
100	16QAM	1	1		25.10		26.00
100	64QAM	1	1		24.20		25.00
100	256QAM	1	1		22.17		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.19	25.25	25.23	26.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.17	25.14	25.16	26.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.16	25.24	25.11	26.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.14	25.21	25.19	26.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.17	25.13	25.13	26.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.11	25.10	25.10	26.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.06	25.16	25.12	26.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.06	25.23	25.19	26.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.14	25.15	25.19	26.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.09	25.19	25.14	26.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.07	25.24	25.16	26.00



【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 9_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.46		16.50
100	PI/2 BPSK	1	137		15.41		16.50
100	PI/2 BPSK	1	271		15.35		16.50
100	PI/2 BPSK	135	0		15.39		16.50
100	PI/2 BPSK	135	69		15.43		16.50
100	PI/2 BPSK	135	138		15.36		16.50
100	PI/2 BPSK	270	0		15.30		16.50
100	QPSK	1	1		15.39		16.50
100	QPSK	1	137		15.30		16.50
100	QPSK	1	271		15.41		16.50
100	QPSK	135	0		15.37		16.50
100	QPSK	135	69		15.37		16.50
100	QPSK	135	138		15.33		16.50
100	QPSK	270	0		15.43		16.50
100	16QAM	1	1		15.44		16.50
100	64QAM	1	1		15.37		16.50
100	256QAM	1	1		15.32		16.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.42	15.43	15.41	16.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.37	15.38	15.31	16.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.35	15.40	15.32	16.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.35	15.29	15.28	16.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.31	15.28	15.36	16.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.38	15.38	15.33	16.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.33	15.40	15.29	16.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.32	15.34	15.27	16.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.33	15.30	15.27	16.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.39	15.35	15.32	16.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.32	15.41	15.33	16.50

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_Ant 9_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.69		16.50
100	PI/2 BPSK	1	137		15.55		16.50
100	PI/2 BPSK	1	271		15.59		16.50
100	PI/2 BPSK	135	0		15.49		16.50
100	PI/2 BPSK	135	69		15.66		16.50
100	PI/2 BPSK	135	138		15.56		16.50
100	PI/2 BPSK	270	0		15.64		16.50
100	QPSK	1	1		15.69		16.50
100	QPSK	1	137		15.56		16.50
100	QPSK	1	271		15.59		16.50



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100	QPSK	135	0		15.57		16.50
100	QPSK	135	69		15.52		16.50
100	QPSK	135	138		15.59		16.50
100	QPSK	270	0		15.53		16.50
100	16QAM	1	1		15.61		16.50
100	64QAM	1	1		15.58		16.50
100	256QAM	1	1		15.59		16.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.56	15.59	15.48	16.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.46	15.52	15.36	16.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.48	15.50	15.45	16.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.53	15.55	15.47	16.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.50	15.47	15.44	16.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.41	15.54	15.37	16.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.45	15.47	15.44	16.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.49	15.52	15.38	16.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.47	15.52	15.36	16.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.44	15.48	15.40	16.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.44	15.55	15.36	16.50

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 9_EC13】

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		18.48		19.50
100	PI/2 BPSK	1	137		18.41		19.50
100	PI/2 BPSK	1	271		18.46		19.50
100	PI/2 BPSK	135	0		18.39		19.50
100	PI/2 BPSK	135	69		18.45		19.50
100	PI/2 BPSK	135	138		18.43		19.50
100	PI/2 BPSK	270	0		18.44		19.50
100	QPSK	1	1		18.42		19.50
100	QPSK	1	137		18.36		19.50
100	QPSK	1	271		18.33		19.50
100	QPSK	135	0		18.39		19.50
100	QPSK	135	69		18.42		19.50
100	QPSK	135	138		18.40		19.50
100	QPSK	270	0		18.31		19.50
100	16QAM	1	1		18.36		19.50
100	64QAM	1	1		18.33		19.50
100	256QAM	1	1		18.35		19.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.38	18.40	18.36	19.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.34	18.33	18.27	19.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.24	18.27	18.22	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	18.27	18.37	18.26	19.50
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.25	18.32	18.28	19.50
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.35	18.38	18.24	19.50
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.25	18.26	18.21	19.50
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.31	18.26	18.24	19.50
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.36	18.31	18.26	19.50
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.27	18.37	18.28	19.50
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.30	18.29	18.30	19.50

【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 9_ECI3】

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		18.48		19.50
100	PI/2 BPSK	1	137		18.42		19.50
100	PI/2 BPSK	1	271		18.40		19.50
100	PI/2 BPSK	135	0		18.33		19.50
100	PI/2 BPSK	135	69		18.45		19.50
100	PI/2 BPSK	135	138		18.36		19.50
100	PI/2 BPSK	270	0		18.31		19.50
100	QPSK	1	1		18.29		19.50
100	QPSK	1	137		18.22		19.50
100	QPSK	1	271		18.28		19.50
100	QPSK	135	0		18.27		19.50
100	QPSK	135	69		18.26		19.50
100	QPSK	135	138		18.21		19.50
100	QPSK	270	0		18.35		19.50
100	16QAM	1	1		18.33		19.50
100	64QAM	1	1		18.31		19.50
100	256QAM	1	1		18.29		19.50
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.34	18.38	18.31	19.50
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.22	18.34	18.17	19.50
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.24	18.26	18.29	19.50
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.32	18.32	18.24	19.50
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.30	18.26	18.28	19.50
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.20	18.31	18.25	19.50
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	18.20	18.36	18.25	19.50
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	18.19	18.33	18.26	19.50
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.29	18.33	18.20	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	18.25	18.26	18.23	19.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	18.27	18.32	18.30	19.50

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 9_ECI4】

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		25.00		26.00
100	PI/2 BPSK	1	137		24.83		26.00
100	PI/2 BPSK	1	271		24.88		26.00
100	PI/2 BPSK	135	0		24.63		26.00
100	PI/2 BPSK	135	69		24.79		26.00
100	PI/2 BPSK	135	138		24.69		26.00
100	PI/2 BPSK	270	0		24.67		26.00
100	QPSK	1	1		24.93		26.00
100	QPSK	1	137		24.94		26.00
100	QPSK	1	271		24.91		26.00
100	QPSK	135	0		24.67		26.00
100	QPSK	135	69		24.84		26.00
100	QPSK	135	138		24.70		26.00
100	QPSK	270	0		24.71		26.00
100	16QAM	1	1		24.84		26.00
100	64QAM	1	1		23.93		25.00
100	256QAM	1	1		22.07		23.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	24.83	24.89	24.87	26.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	24.78	24.81	24.74	26.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	24.82	24.82	24.77	26.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	24.76	24.79	24.76	26.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	24.82	24.88	24.81	26.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	24.79	24.75	24.74	26.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	24.70	24.83	24.75	26.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	24.81	24.87	24.82	26.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	24.77	24.79	24.84	26.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	24.79	24.76	24.75	26.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	24.72	24.83	24.75	26.00

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_Ant 9_ECI4】

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		25.31		26.00
100	PI/2 BPSK	1	137		25.05		26.00
100	PI/2 BPSK	1	271		25.08		26.00



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100	PI/2 BPSK	135	0		25.02		26.00
100	PI/2 BPSK	135	69		25.14		26.00
100	PI/2 BPSK	135	138		25.00		26.00
100	PI/2 BPSK	270	0		25.03		26.00
100	QPSK	1	1		25.14		26.00
100	QPSK	1	137		25.26		26.00
100	QPSK	1	271		25.22		26.00
100	QPSK	135	0		25.09		26.00
100	QPSK	135	69		25.14		26.00
100	QPSK	135	138		25.04		26.00
100	QPSK	270	0		25.05		26.00
100	16QAM	1	1		25.10		26.00
100	64QAM	1	1		24.20		25.00
100	256QAM	1	1		22.17		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.19	25.25	25.23	26.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.17	25.14	25.16	26.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.16	25.24	25.11	26.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.14	25.21	25.19	26.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.17	25.13	25.13	26.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.11	25.10	25.10	26.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.06	25.16	25.12	26.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.06	25.23	25.19	26.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.14	25.15	25.19	26.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.09	25.19	25.14	26.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.07	25.24	25.16	26.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 9_EC15】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.46		16.50
100	PI/2 BPSK	1	137		15.41		16.50
100	PI/2 BPSK	1	271		15.35		16.50
100	PI/2 BPSK	135	0		15.39		16.50
100	PI/2 BPSK	135	69		15.43		16.50
100	PI/2 BPSK	135	138		15.36		16.50
100	PI/2 BPSK	270	0		15.30		16.50
100	QPSK	1	1		15.39		16.50
100	QPSK	1	137		15.30		16.50
100	QPSK	1	271		15.41		16.50
100	QPSK	135	0		15.37		16.50
100	QPSK	135	69		15.37		16.50
100	QPSK	135	138		15.33		16.50
100	QPSK	270	0		15.43		16.50
100	16QAM	1	1		15.44		16.50
100	64QAM	1	1		15.37		16.50
100	256QAM	1	1		15.32		16.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.42	15.43	15.41	16.50
Channel				632668	633332	634000	Tune-up limit



Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.37	15.38	15.31	16.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.35	15.40	15.32	16.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.35	15.29	15.28	16.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.31	15.28	15.36	16.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.38	15.38	15.33	16.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.33	15.40	15.29	16.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	15.32	15.34	15.27	16.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.33	15.30	15.27	16.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.39	15.35	15.32	16.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.32	15.41	15.33	16.50

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 9_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.69		16.50
100	PI/2 BPSK	1	137		15.55		16.50
100	PI/2 BPSK	1	271		15.59		16.50
100	PI/2 BPSK	135	0		15.49		16.50
100	PI/2 BPSK	135	69		15.66		16.50
100	PI/2 BPSK	135	138		15.56		16.50
100	PI/2 BPSK	270	0		15.64		16.50
100	QPSK	1	1		15.69		16.50
100	QPSK	1	137		15.56		16.50
100	QPSK	1	271		15.59		16.50
100	QPSK	135	0		15.57		16.50
100	QPSK	135	69		15.52		16.50
100	QPSK	135	138		15.59		16.50
100	QPSK	270	0		15.53		16.50
100	16QAM	1	1		15.61		16.50
100	64QAM	1	1		15.58		16.50
100	256QAM	1	1		15.59		16.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.56	15.59	15.48	16.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.46	15.52	15.36	16.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.48	15.50	15.45	16.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.53	15.55	15.47	16.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.50	15.47	15.44	16.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.41	15.54	15.37	16.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.45	15.47	15.44	16.50
Channel				647500	650000	652500	Tune-up limit



Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.49	15.52	15.38	16.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.47	15.52	15.36	16.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.44	15.48	15.40	16.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.44	15.55	15.36	16.50

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 9_Default】

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		26.75		28.00
100	PI/2 BPSK	1	137		26.71		28.00
100	PI/2 BPSK	1	271		26.64		28.00
100	PI/2 BPSK	135	0		26.33		27.50
100	PI/2 BPSK	135	69		26.66		28.00
100	PI/2 BPSK	135	138		26.38		27.50
100	PI/2 BPSK	270	0		26.45		27.50
100	QPSK	1	1		26.53		28.00
100	QPSK	1	137		26.79		28.00
100	QPSK	1	271		26.57		28.00
100	QPSK	135	0		26.02		27.00
100	QPSK	135	69		26.87		28.00
100	QPSK	135	138		25.92		27.00
100	QPSK	270	0		26.02		27.00
100	16QAM	1	1		25.83		27.00
100	64QAM	1	1		23.98		25.50
100	256QAM	1	1		22.27		23.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	26.63	26.70	26.68	28.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	26.60	26.62	26.63	28.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	26.56	26.59	26.55	28.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	26.61	26.67	26.64	28.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	26.50	26.58	26.63	28.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	26.50	26.67	26.65	28.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	26.53	26.62	26.61	28.00
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	26.58	26.63	26.57	28.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	26.56	26.64	26.57	28.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	26.49	26.64	26.59	28.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	26.60	26.62	26.63	28.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 9_Default】

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		26.93		28.00
100	PI/2 BPSK	1	137		26.88		28.00
100	PI/2 BPSK	1	271		26.82		28.00
100	PI/2 BPSK	135	0		26.48		27.50
100	PI/2 BPSK	135	69		26.83		28.00
100	PI/2 BPSK	135	138		26.43		27.50
100	PI/2 BPSK	270	0		26.50		27.50
100	QPSK	1	1		26.72		28.00
100	QPSK	1	137		26.81		28.00
100	QPSK	1	271		26.76		28.00
100	QPSK	135	0		26.03		27.00
100	QPSK	135	69		26.86		28.00
100	QPSK	135	138		26.01		27.00
100	QPSK	270	0		26.03		27.00
100	16QAM	1	1		25.84		27.00
100	64QAM	1	1		24.08		25.50
100	256QAM	1	1		22.41		23.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	26.83	26.92	26.90	28.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	26.72	26.90	26.85	28.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	26.70	26.87	26.82	28.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	26.77	26.80	26.77	28.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	26.77	26.89	26.80	28.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	26.79	26.81	26.87	28.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	26.69	26.85	26.82	28.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	26.70	26.83	26.81	28.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	26.74	26.87	26.76	28.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	26.73	26.78	26.83	28.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	26.71	26.86	26.76	28.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 9_EC11】

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		18.36		19.50
100	PI/2 BPSK	1	137		18.29		19.50
100	PI/2 BPSK	1	271		18.32		19.50
100	PI/2 BPSK	135	0		18.24		19.50
100	PI/2 BPSK	135	69		18.35		19.50
100	PI/2 BPSK	135	138		18.25		19.50
100	PI/2 BPSK	270	0		18.22		19.50
100	QPSK	1	1		18.31		19.50
100	QPSK	1	137		18.24		19.50
100	QPSK	1	271		18.34		19.50



100	QPSK	135	0		18.32		19.50
100	QPSK	135	69		18.23		19.50
100	QPSK	135	138		18.18		19.50
100	QPSK	270	0		18.29		19.50
100	16QAM	1	1		18.34		19.50
100	64QAM	1	1		18.34		19.50
100	256QAM	1	1		18.19		19.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.28	18.32	18.24	19.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.24	18.20	18.20	19.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.25	18.26	18.20	19.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.14	18.27	18.15	19.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.27	18.19	18.18	19.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.15	18.20	18.14	19.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.14	18.19	18.15	19.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	18.24	18.26	18.21	19.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.21	18.29	18.13	19.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	18.24	18.19	18.21	19.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.25	18.20	18.12	19.50

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 9_ECI1】

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		18.53		19.50
100	PI/2 BPSK	1	137		18.39		19.50
100	PI/2 BPSK	1	271		18.36		19.50
100	PI/2 BPSK	135	0		18.36		19.50
100	PI/2 BPSK	135	69		18.51		19.50
100	PI/2 BPSK	135	138		18.33		19.50
100	PI/2 BPSK	270	0		18.26		19.50
100	QPSK	1	1		18.44		19.50
100	QPSK	1	137		18.36		19.50
100	QPSK	1	271		18.46		19.50
100	QPSK	135	0		18.40		19.50
100	QPSK	135	69		18.45		19.50
100	QPSK	135	138		18.25		19.50
100	QPSK	270	0		18.49		19.50
100	16QAM	1	1		18.41		19.50
100	64QAM	1	1		18.33		19.50
100	256QAM	1	1		18.25		19.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	18.34	18.46	18.38	19.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	18.29	18.36	18.29	19.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	18.20	18.43	18.25	19.50
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	18.21	18.41	18.31	19.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	18.21	18.43	18.31	19.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	18.23	18.42	18.36	19.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	18.32	18.43	18.30	19.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	18.23	18.45	18.30	19.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	18.31	18.33	18.37	19.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	18.27	18.32	18.26	19.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	18.22	18.43	18.27	19.50

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 9_ECI3】

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		21.45		22.50
100	PI/2 BPSK	1	137		21.33		22.50
100	PI/2 BPSK	1	271		21.38		22.50
100	PI/2 BPSK	135	0		21.32		22.50
100	PI/2 BPSK	135	69		21.40		22.50
100	PI/2 BPSK	135	138		21.39		22.50
100	PI/2 BPSK	270	0		21.31		22.50
100	QPSK	1	1		21.27		22.50
100	QPSK	1	137		21.29		22.50
100	QPSK	1	271		21.25		22.50
100	QPSK	135	0		21.33		22.50
100	QPSK	135	69		21.36		22.50
100	QPSK	135	138		21.31		22.50
100	QPSK	270	0		21.34		22.50
100	16QAM	1	1		21.28		22.50
100	64QAM	1	1		21.25		22.50
100	256QAM	1	1		21.26		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.35	21.38	21.33	22.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	21.33	21.35	21.25	22.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.22	21.27	21.20	22.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	21.21	21.33	21.24	22.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.21	21.36	21.28	22.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.25	21.33	21.29	22.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.30	21.35	21.26	22.50
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	21.29	21.27	21.31	22.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	21.23	21.31	21.22	22.50
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	21.32	21.28	21.25	22.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.30	21.36	21.28	22.50

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 9_EC13】

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		21.44		22.50
100	PI/2 BPSK	1	137		21.36		22.50
100	PI/2 BPSK	1	271		21.31		22.50
100	PI/2 BPSK	135	0		21.38		22.50
100	PI/2 BPSK	135	69		21.40		22.50
100	PI/2 BPSK	135	138		21.32		22.50
100	PI/2 BPSK	270	0		21.30		22.50
100	QPSK	1	1		21.29		22.50
100	QPSK	1	137		21.26		22.50
100	QPSK	1	271		21.21		22.50
100	QPSK	135	0		21.24		22.50
100	QPSK	135	69		21.28		22.50
100	QPSK	135	138		21.26		22.50
100	QPSK	270	0		21.27		22.50
100	16QAM	1	1		21.25		22.50
100	64QAM	1	1		21.29		22.50
100	256QAM	1	1		21.30		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	21.33	21.35	21.31	22.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	21.28	21.28	21.16	22.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	21.26	21.27	21.22	22.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	21.29	21.25	21.27	22.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	21.24	21.30	21.19	22.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	21.22	21.26	21.24	22.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	21.25	21.25	21.23	22.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	21.20	21.30	21.26	22.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	21.28	21.27	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	21.31	21.29	21.22	22.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	21.29	21.27	21.18	22.50

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 9_ECI4】

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		26.75		28.00
100	PI/2 BPSK	1	137		26.71		28.00
100	PI/2 BPSK	1	271		26.64		28.00
100	PI/2 BPSK	135	0		26.33		27.50
100	PI/2 BPSK	135	69		26.66		28.00
100	PI/2 BPSK	135	138		26.38		27.50
100	PI/2 BPSK	270	0		26.45		27.50
100	QPSK	1	1		26.53		28.00
100	QPSK	1	137		26.79		28.00
100	QPSK	1	271		26.57		28.00
100	QPSK	135	0		26.02		27.00
100	QPSK	135	69		26.87		28.00
100	QPSK	135	138		25.92		27.00
100	QPSK	270	0		26.02		27.00
100	16QAM	1	1		25.83		27.00
100	64QAM	1	1		23.98		25.50
100	256QAM	1	1		22.27		23.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.63	26.70	26.68	28.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.60	26.62	26.63	28.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.56	26.59	26.55	28.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.61	26.67	26.64	28.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.50	26.58	26.63	28.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.50	26.67	26.65	28.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.53	26.62	26.61	28.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.58	26.63	26.57	28.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.56	26.64	26.57	28.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.49	26.64	26.59	28.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.60	26.62	26.63	28.00

【FR1 n78 (27O)_FCC_Part 27O (3700~3800MHz)_HPUE_Ant 9_ECI4】

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		26.93		28.00
100	PI/2 BPSK	1	137		26.88		28.00
100	PI/2 BPSK	1	271		26.82		28.00
100	PI/2 BPSK	135	0		26.48		27.50
100	PI/2 BPSK	135	69		26.83		28.00
100	PI/2 BPSK	135	138		26.43		27.50
100	PI/2 BPSK	270	0		26.50		27.50
100	QPSK	1	1		26.72		28.00
100	QPSK	1	137		26.81		28.00
100	QPSK	1	271		26.76		28.00



100	QPSK	135	0		26.03		27.00
100	QPSK	135	69		26.86		28.00
100	QPSK	135	138		26.01		27.00
100	QPSK	270	0		26.03		27.00
100	16QAM	1	1		25.84		27.00
100	64QAM	1	1		24.08		25.50
100	256QAM	1	1		22.41		23.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	26.83	26.92	26.90	28.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	26.72	26.90	26.85	28.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	26.70	26.87	26.82	28.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	26.77	26.80	26.77	28.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	26.77	26.89	26.80	28.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	26.79	26.81	26.87	28.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	26.69	26.85	26.82	28.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	26.70	26.83	26.81	28.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	26.74	26.87	26.76	28.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	26.73	26.78	26.83	28.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	26.71	26.86	26.76	28.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_Ant 9_ECI5】

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		18.36		19.50
100	PI/2 BPSK	1	137		18.29		19.50
100	PI/2 BPSK	1	271		18.32		19.50
100	PI/2 BPSK	135	0		18.24		19.50
100	PI/2 BPSK	135	69		18.35		19.50
100	PI/2 BPSK	135	138		18.25		19.50
100	PI/2 BPSK	270	0		18.22		19.50
100	QPSK	1	1		18.31		19.50
100	QPSK	1	137		18.24		19.50
100	QPSK	1	271		18.34		19.50
100	QPSK	135	0		18.32		19.50
100	QPSK	135	69		18.23		19.50
100	QPSK	135	138		18.18		19.50
100	QPSK	270	0		18.29		19.50
100	16QAM	1	1		18.34		19.50
100	64QAM	1	1		18.34		19.50
100	256QAM	1	1		18.19		19.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.28	18.32	18.24	19.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.24	18.20	18.20	19.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.25	18.26	18.20	19.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)



60	PI/2 BPSK	1	1	18.14	18.27	18.15	19.50
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.27	18.19	18.18	19.50
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.15	18.20	18.14	19.50
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.14	18.19	18.15	19.50
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.24	18.26	18.21	19.50
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.21	18.29	18.13	19.50
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.24	18.19	18.21	19.50
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.25	18.20	18.12	19.50

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_Ant 9_ECI5】

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		18.53		19.50
100	PI/2 BPSK	1	137		18.39		19.50
100	PI/2 BPSK	1	271		18.36		19.50
100	PI/2 BPSK	135	0		18.36		19.50
100	PI/2 BPSK	135	69		18.51		19.50
100	PI/2 BPSK	135	138		18.33		19.50
100	PI/2 BPSK	270	0		18.26		19.50
100	QPSK	1	1		18.44		19.50
100	QPSK	1	137		18.36		19.50
100	QPSK	1	271		18.46		19.50
100	QPSK	135	0		18.40		19.50
100	QPSK	135	69		18.45		19.50
100	QPSK	135	138		18.25		19.50
100	QPSK	270	0		18.49		19.50
100	16QAM	1	1		18.41		19.50
100	64QAM	1	1		18.33		19.50
100	256QAM	1	1		18.25		19.50
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.34	18.46	18.38	19.50
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.29	18.36	18.29	19.50
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.20	18.43	18.25	19.50
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.21	18.41	18.31	19.50
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.21	18.43	18.31	19.50
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.23	18.42	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	18.32	18.43	18.30	19.50
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	18.23	18.45	18.30	19.50
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.31	18.33	18.37	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	18.27	18.32	18.26	19.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	18.22	18.43	18.27	19.50

**Bluetooth Conducted Power**

<Bluetooth_Ant 11>							
			Ant 11 Full power		Ant 11 Head DBS&non DBS		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	16.48	18.00	15.60	17.00	76.86
	39	2441	16.63	18.00	14.80	16.50	76.86
	78	2480	16.29	18.00	14.20	16.00	76.86
BR / EDR 2Mbps	0	2402	13.80	15.50	Not Required	15.50	76.57
	39	2441	14.21	16.00		16.00	76.57
	78	2480	13.51	15.00		15.00	76.57
BR / EDR 3Mbps	0	2402	13.87	15.50		15.50	76.57
	39	2441	14.21	16.00		16.00	76.57
	78	2480	13.62	15.50		15.50	76.57
LE 125kbps	0	2402	8.83	10.50		10.50	82.34
	19	2440	8.43	10.00		10.00	82.34
	39	2480	8.81	10.50		10.50	82.34
LE 500kbps	0	2402	8.87	10.50		10.50	56.40
	19	2440	8.48	10.00		10.00	56.40
	39	2480	8.92	10.50		10.50	56.40
LE 1Mbps	0	2402	8.91	10.50		10.50	61.11
	19	2440	8.52	10.00		10.00	61.11
	39	2480	8.93	10.50		10.50	61.11
LE 2Mbps	0	2402	8.69	10.50		10.50	31.48
	19	2440	8.65	10.50		10.50	31.48
	39	2480	9.03	10.50		10.50	31.48

<Bluetooth_Ant 5>					
			Ant 5 Full power		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	16.45	18.00	76.87
	39	2441	15.80	17.50	76.87
	78	2480	15.70	17.50	76.87
BR / EDR 2Mbps	0	2402	12.92	14.50	76.87
	39	2441	12.76	14.50	76.87
	78	2480	12.71	14.50	76.87
BR / EDR 3Mbps	0	2402	12.96	14.50	76.87
	39	2441	12.73	14.50	76.87
	78	2480	12.77	14.50	76.87
LE 125kbps	0	2402	8.49	10.00	82.77
	19	2440	7.83	9.50	82.77
	39	2480	7.90	9.50	82.77
LE 500kbps	0	2402	8.96	10.50	56.79
	19	2440	7.84	9.50	56.79
	39	2480	7.91	9.50	56.79
LE 1Mbps	0	2402	8.98	10.50	61.34
	19	2440	7.87	9.50	61.34
	39	2480	7.93	9.50	61.34
LE 2Mbps	0	2402	8.79	10.50	31.71
	19	2440	8.72	10.50	31.71
	39	2480	9.30	11.00	31.71



<Bluetooth_Ant 11+5 Beamforming Power>									
			Ant 11 Full power Ant 11 WWAN+DBS&non DBS		Ant 5 Full power Ant 5 WWAN+DBS&non DBS		Ant 11+5 Full power Ant 11+5 WWAN+DBS&non DBS		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	8.72	10.50	9.69	11.50	12.24	14.00	76.87
	39	2441	8.50	10.00	8.68	10.50	11.60	13.30	76.87
	78	2480	8.58	10.50	8.78	10.50	11.69	13.50	76.87
BR / EDR 2Mbps	0	2402	3.01	4.50	3.36	5.00	6.20	7.80	76.87
	39	2441	2.37	4.50	2.69	4.50	5.54	7.50	76.87
	78	2480	2.55	4.50	2.63	4.50	5.60	7.50	76.87
BR / EDR 3Mbps	0	2402	2.71	4.50	3.49	5.50	6.13	8.00	76.87
	39	2441	2.53	4.50	2.58	4.50	5.57	7.50	76.87
	78	2480	2.64	4.50	2.61	4.50	5.64	7.50	76.87

**WLAN Conducted Power**

<2.4GHz WLAN_Ant 11>							
2.4GHz WLAN			Ant 11 Full power Ant 11 Hotspot Ant 11 Body-worn Standalone Ant 11 Extremity Standalone		Ant 11 Head Standalone		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	19.65	20.00	17.54	18.00	98.30
	6	2437	19.61	20.00	17.52	18.00	98.30
	11	2462	19.91	20.00	17.71	18.00	98.30
802.11g 6Mbps	1	2412	18.85	19.00	Not Required	18.00	96.48
	6	2437	19.31	19.50		18.00	96.48
	11	2462	19.55	20.00		18.00	96.48

<2.4GHz WLAN_Ant 5>															
2.4GHz WLAN			Ant 5 Full power Ant 5 Hotspot Ant 5 Body-worn Standalone Ant 5 Extremity Standalone		Ant 5 Head Standalone		Ant 5 Head DBS&non DBS		Ant 5 Body-worn DBS&non DBS Ant 5 Hotspot DBS&non DBS		Ant 5 Head WWAN+DBS&non DBS		Ant 5 Body-worn WWAN+DBS&non DBS Ant 5 Hotspot WWAN+DBS&non DBS		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	19.02	19.50	18.04	18.50	15.05	15.50	17.08	17.50	10.07	10.50	11.64	12.00	98.98
	6	2437	19.20	19.50	18.07	18.50	15.11	15.50	17.26	17.50	10.16	10.50	11.72	12.00	98.98
	11	2462	19.16	19.50	18.05	18.50	15.08	15.50	17.19	17.50	10.11	10.50	11.67	12.00	98.98
802.11g 6Mbps	1	2412	18.59	19.00	Not Required	18.50	Not Required	15.50	Not Required	17.50	Not Required	10.50	Not Required	12.00	96.48
	6	2437	19.24	19.50		18.50		15.50		17.50		10.50		12.00	96.48
	11	2462	18.87	19.00		18.50		15.50		17.50		10.50		12.00	96.48

<2.4GHz WLAN_Ant 11+5>															
2.4GHz WLAN			Ant 11+5(11) Full power Ant 11+5(11) Hotspot Ant 11+5(11) Body-worn Standalone Ant 11+5(11) Extremity Standalone		Ant 11+5(5) Full power Ant 11+5(5) Hotspot Ant 11+5(5) Body-worn Standalone Ant 11+5(5) Extremity Standalone		Ant 11+5 Full power Ant 11+5 Hotspot Ant 11+5 Body-worn Standalone Ant 11+5 Extremity Standalone		Ant 11+5(11) Head Standalone		Ant 11+5(5) Head Standalone		Ant 11+5 Head Standalone		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11n-HT20 MCS0	1	2412	16.72	17.00	16.60	17.00	19.67	20.00	16.72	17.00	16.60	17.00	19.67	20.00	95.74
	6	2437	18.41	18.50	18.62	19.00	21.53	22.00	17.16	17.50	16.58	17.00	19.88	20.00	95.74
	11	2462	18.07	18.50	17.44	17.50	20.78	21.00	17.09	17.50	16.87	17.00	19.98	20.00	95.74
802.11ax-HE20 MCS0	1	2412	16.79	17.00	16.68	17.00	19.75	20.00		17.00		17.00		20.00	95.24
	6	2437	18.00	18.50	18.24	18.50	21.13	21.50		17.50		17.00		20.00	95.24
	11	2462	18.16	18.50	17.49	17.50	20.85	21.00		17.50		17.00		20.00	95.24
802.11be-EHT20 MCS0	1	2412	16.86	17.00	16.70	17.00	19.79	20.00		17.00		17.00		20.00	94.63
	6	2437	18.07	18.50	18.32	18.50	21.21	21.50		17.50		17.00		20.00	94.63
	11	2462	18.23	18.50	17.52	18.00	20.90	21.00		17.50		17.00		20.00	94.63



<2.4GHz WLAN_Ant 11+5>															
2.4GHz WLAN			Ant 11+5(11) Head WWAN+DBS&non DBS		Ant 11+5(5) Head WWAN+DBS&non DBS		Ant 11+5 Head WWAN+DBS&non DBS		Ant 11+5(11) Body-worn WWAN+DBS&non DBS Ant 11+5(11) Hotspot WWAN+DBS&non DBS		Ant 11+5(5) Body-worn WWAN+DBS&non DBS Ant 11+5(5) Hotspot WWAN+DBS&non DBS		Ant 11+5 Body-worn WWAN+DBS&non DBS Ant 11+5 Hotspot WWAN+DBS&non DBS		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11n-HT20 MCS0	1	2412	10.66	11.00	10.13	10.50	13.40	13.50	13.69	14.00	13.18	13.50	16.44	16.50	95.74
	6	2437	10.61	11.00	10.12	10.50	13.37	13.50	13.65	14.00	13.15	13.50	16.41	16.50	95.74
	11	2462	10.52	11.00	10.40	10.50	13.46	13.50	13.58	14.00	13.36	13.50	16.47	16.50	95.74
802.11ax-HE20 MCS0	1	2412		11.00		10.50		13.50		14.00		13.50		16.50	95.24
	6	2437		11.00		10.50		13.50		14.00		13.50		16.50	95.24
	11	2462		11.00		10.50		13.50		14.00		13.50		16.50	95.24
802.11be-EHT20 MCS0	1	2412		11.00		10.50		13.50		14.00		13.50		16.50	94.63
	6	2437		11.00		10.50		13.50		14.00		13.50		16.50	94.63
	11	2462		11.00		10.50		13.50		14.00		13.50		16.50	94.63

<5.2GHz WLAN_Ant 6+13>			Ant 6+13(6) Full power Ant 6+13(6) Hotspot Ant 6+13(6) Body-worn Standalone Ant 6+13(6) Extremity Standalone		Ant 6+13(13) Full power Ant 6+13(13) Hotspot Ant 6+13(13) Body-worn Standalone Ant 6+13(13) Extremity Standalone		Ant 6+13 Full power Ant 6+13 Body-worn Standalone Ant 6+13 Extremity Standalone		Ant 6+13(6) Head Standalone		Ant 6+13(13) Head Standalone		Ant 6+13 Head Standalone		Ant 6+13(6) Head DBS&non DBS		Ant 6+13(13) Head DBS&non DBS		Ant 6+13 Head DBS&non DBS		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	17.55	18.00	17.36	17.50	20.47	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.39
	40	5200	17.54	18.00	17.23	17.50	20.40	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.39
	44	5220	17.67	18.00	17.54	18.00	20.62	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.39
	48	5240	17.11	17.50	17.30	17.50	20.22	20.50		14.50		14.50		17.50		11.50		11.50		14.50	96.39
802.11n-HT20 MCS0	36	5180	17.90	18.00	17.78	18.00	20.85	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.25
	40	5200	17.49	17.50	17.13	17.50	20.32	20.50		14.50		14.50		17.50		11.50		11.50		14.50	96.25
	44	5220	17.61	18.00	17.52	18.00	20.58	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.25
	48	5240	17.50	18.00	17.57	18.00	20.55	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.25
802.11n-HT40 MCS0	38	5190	17.62	18.00	17.41	17.50	20.53	21.00	Not Required	14.50	Not Required	14.50	Not Required	17.50	Not Required	11.50	Not Required	11.50	Not Required	14.50	92.77
	46	5230	17.57	18.00	17.79	18.00	20.69	21.00		14.50		14.50		17.50		11.50		11.50		14.50	92.77
802.11ac-VHT20 MCS0	36	5180	17.94	18.00	17.79	18.00	20.88	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.27
	40	5200	17.50	18.00	17.14	17.50	20.33	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.27
	44	5220	17.63	18.00	17.53	18.00	20.59	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.27
	48	5240	17.53	18.00	17.59	18.00	20.57	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.27
802.11ac-VHT40 MCS0	38	5190	17.68	18.00	17.45	17.50	20.58	21.00		14.50		14.50		17.50		11.50		11.50		14.50	92.77
	46	5230	17.62	18.00	17.86	18.00	20.75	21.00		14.50		14.50		17.50		11.50		11.50		14.50	92.77
802.11ac-VHT80 MCS0	42	5210	16.70	17.00	16.51	17.00	19.62	20.00	14.24	14.50	14.08	14.50	17.16	17.50	11.22	11.50	11.13	11.50	14.18	14.50	96.60
802.11ax-HE20 MCS0	36	5180	17.97	18.00	17.84	18.00	20.92	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.76
	40	5200	17.51	18.00	17.20	17.50	20.37	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.76
	44	5220	17.65	18.00	17.60	18.00	20.64	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.76
	48	5240	17.55	18.00	17.64	18.00	20.61	21.00	Not Required	14.50	Not Required	14.50	Not Required	17.50	Not Required	11.50	Not Required	11.50	Not Required	14.50	95.76
802.11ax-HE40 MCS0	38	5190	17.82	18.00	17.59	18.00	20.72	21.00		14.50		14.50		17.50		11.50		11.50		14.50	90.93
	46	5230	17.76	18.00	17.99	18.00	20.89	21.00		14.50		14.50		17.50		11.50		11.50		14.50	90.93
802.11ax-HE80 MCS0	42	5210	16.76	17.00	16.63	17.00	19.71	20.00		14.50		14.50		17.50		11.50		11.50		14.50	95.13



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802.11be-EHT20 MCS0	36	5180	18.00	18.50	17.87	18.00	20.95	21.50		14.50		14.50		17.50		11.50		11.50		14.50	95.70
	40	5200	17.53	18.00	17.22	17.50	20.39	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.70
	44	5220	17.70	18.00	17.64	18.00	20.68	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.70
	48	5240	17.59	18.00	17.66	18.00	20.64	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.70
802.11be-EHT40 MCS0	38	5190	17.87	18.00	17.65	18.00	20.77	21.00		14.50		14.50		17.50		11.50		11.50		14.50	91.51
	46	5230	17.77	18.00	18.06	18.50	20.93	21.50		14.50		14.50		17.50		11.50		11.50		14.50	91.51
802.11be-EHT80 MCS0	42	5210	16.82	17.00	16.63	17.00	19.74	20.00		14.50		14.50		17.50		11.50		11.50		14.50	95.85

<5.2GHz WLAN_Ant 6+13>			Ant 6+13(6) Body-worn DBS&non DBS Ant 6+13(6) Hotspot DBS&non DBS		Ant 6+13(13) Body-worn DBS&non DBS Ant 6+13(13) Hotspot DBS&non DBS		Ant 6+13 Body-worn DBS&non DBS Ant 6+13 Hotspot DBS&non DBS		Ant 6+13(6) Head WWAN+DBS&non DBS		Ant 6+13(13) Head WWAN+DBS&non DBS		Ant 6+13 Head WWAN+DBS&non DBS		Ant 6+13(6) Body-worn WWAN+DBS&non DBS Ant 6+13(6) Hotspot WWAN+DBS&non DBS		Ant 6+13(13) Body-worn WWAN+DBS&non DBS Ant 6+13(13) Hotspot WWAN+DBS&non DBS		Ant 6+13 Body-worn WWAN+DBS&non DBS Ant 6+13 Hotspot WWAN+DBS&non DBS		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.39
	40	5200		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.39
	44	5220		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.39
	48	5240		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.39
802.11n-HT20 MCS0	36	5180		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.25
	40	5200		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.25
	44	5220		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.25
	48	5240		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.25
802.11n-HT40 MCS0	38	5190	Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required	6.50	Not Required	6.50	Not Required	9.50	Not Required	11.00	Not Required	11.00	Not Required	14.00	92.77
	46	5230		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	92.77
802.11ac-VHT20 MCS0	36	5180		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.27
	40	5200		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.27
	44	5220		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.27
	48	5240		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.27
802.11ac-VHT40 MCS0	38	5190		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	92.77
	46	5230		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	92.77
802.11ac-VHT80 MCS0	42	5210	15.75	16.00	15.58	16.00	18.67	19.00	6.25	6.50	6.16	6.50	9.21	9.50	10.78	11.00	10.63	11.00	13.71	14.00	96.60
802.11ax-HE20 MCS0	36	5180		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.76
	40	5200		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.76
	44	5220		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.76
	48	5240		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.76
802.11ax-HE40 MCS0	38	5190		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	90.93
	46	5230		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	90.93
802.11ax-HE80 MCS0	42	5210	Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required	6.50	Not Required	6.50	Not Required	9.50	Not Required	11.00	Not Required	11.00	Not Required	14.00	95.13
802.11be-EHT20 MCS0	36	5180		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.70
	40	5200		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.70
	44	5220		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.70
	48	5240		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.70
802.11be-EHT40 MCS0	38	5190		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	91.51
	46	5230		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	91.51
802.11be-EHT80 MCS0	42	5210		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.85



<5.3GHz WLAN_Ant 6+13>			Ant 6+13(6) Full power Ant 6+13(6) Body-worn Standalone Ant 6+13(6) Extremity Standalone		Ant 6+13(13) Full power Ant 6+13(13) Body-worn Standalone Ant 6+13(13) Extremity Standalone		Ant 6+13 Full power Ant 6+13 Body-worn Standalone Ant 6+13 Extremity Standalone		Ant 6+13(6) Head Standalone		Ant 6+13(13) Head Standalone		Ant 6+13 Head Standalone		Ant 6+13(6) Head DBS&non DBS		Ant 6+13(13) Head DBS&non DBS		Ant 6+13 Head DBS&non DBS		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	17.08	17.50	17.38	17.50	20.24	20.50		14.50		14.50		17.50		11.50		11.50		14.50	96.39
	56	5280	17.21	17.50	17.24	17.50	20.24	20.50		14.50		14.50		17.50		11.50		11.50		14.50	96.39
	60	5300	17.13	17.50	17.02	17.50	20.09	20.50		14.50		14.50		17.50		11.50		11.50		14.50	96.39
	64	5320	18.06	18.50	18.00	18.50	21.04	21.50		14.50		14.50		17.50		11.50		11.50		14.50	96.39
802.11n-HT20 MCS0	52	5260	17.60	18.00	17.74	18.00	20.68	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.25
	56	5280	17.59	18.00	17.61	18.00	20.61	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.25
	60	5300	17.56	18.00	17.35	17.50	20.47	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.25
	64	5320	17.94	18.00	17.88	18.00	20.92	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.25
802.11n-HT40 MCS0	54	5270	17.54	18.00	17.78	18.00	20.67	21.00	Not Required	14.50	Not Required	14.50	Not Required	17.50	Not Required	11.50	Not Required	11.50	Not Required	14.50	92.77
	62	5310	17.67	18.00	17.66	18.00	20.68	21.00		14.50		14.50		17.50		11.50		11.50		14.50	92.77
802.11ac-VHT20 MCS0	52	5260	17.62	18.00	17.75	18.00	20.70	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.27
	56	5280	17.63	18.00	17.62	18.00	20.64	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.27
	60	5300	17.58	18.00	17.37	17.50	20.49	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.27
	64	5320	17.97	18.00	17.89	18.00	20.94	21.00		14.50		14.50		17.50		11.50		11.50		14.50	96.27
802.11ac-VHT40 MCS0	54	5270	17.60	18.00	17.86	18.00	20.74	21.00		14.50		14.50		17.50		11.50		11.50		14.50	92.77
	62	5310	17.72	18.00	17.72	18.00	20.73	21.00		14.50		14.50		17.50		11.50		11.50		14.50	92.77
802.11ac-VHT80 MCS0	58	5290	14.75	15.00	14.86	15.00	17.82	18.00		14.50		14.50		17.50		11.50		11.50		14.50	96.60
802.11ac-VHT160 MCS0	50	5250	15.84	16.00	15.66	16.00	18.76	19.00	14.27	14.50	14.08	14.50	17.18	17.50	11.30	11.50	11.11	11.50	14.21	14.50	93.57
802.11ax-HE20 MCS0	52	5260	17.65	18.00	17.80	18.00	20.74	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.76
	56	5280	17.67	18.00	17.70	18.00	20.70	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.76
	60	5300	17.62	18.00	17.42	17.50	20.53	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.76
	64	5320	17.99	18.00	17.94	18.00	20.98	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.76
802.11ax-HE40 MCS0	54	5270	17.77	18.00	18.02	18.50	20.91	21.00		14.50		14.50		17.50		11.50		11.50		14.50	90.93
	62	5310	17.85	18.00	17.88	18.00	20.88	21.00		14.50		14.50		17.50		11.50		11.50		14.50	90.93
802.11ax-HE80 MCS0	58	5290	14.82	15.00	14.96	15.00	17.90	18.00		14.50		14.50		17.50		11.50		11.50		14.50	96.25
802.11ax-HE160 MCS0	50	5250	15.95	16.00	15.75	16.00	18.86	19.00	Not Required	14.50	Not Required	14.50	Not Required	17.50	Not Required	11.50	Not Required	11.50	Not Required	14.50	92.46
802.11be-EHT20 MCS0	52	5260	17.67	18.00	17.84	18.00	20.77	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.70
	56	5280	17.70	18.00	17.74	18.00	20.73	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.70
	60	5300	17.64	18.00	17.47	17.50	20.57	21.00		14.50		14.50		17.50		11.50		11.50		14.50	95.70
	64	5320	18.01	18.50	17.96	18.00	21.00	21.50		14.50		14.50		17.50		11.50		11.50		14.50	95.70
802.11be-EHT40 MCS0	54	5270	17.81	18.00	18.07	18.50	20.95	21.00		14.50		14.50		17.50		11.50		11.50		14.50	91.51
	62	5310	17.87	18.00	17.93	18.00	20.91	21.00		14.50		14.50		17.50		11.50		11.50		14.50	91.51
802.11be-EHT80 MCS0	58	5290	14.89	15.00	14.97	15.00	17.94	18.00		14.50		14.50		17.50		11.50		11.50		14.50	95.85
802.11be-EHT160 MCS0	50	5250	15.98	16.00	15.82	16.00	18.91	19.00		14.50		14.50		17.50		11.50		11.50		14.50	92.62



<5.3GHz WLAN_Ant 6+13>			Ant 6+13(6) Body-worn DBS&non DBS		Ant 6+13(13) Body-worn DBS&non DBS		Ant 6+13 Body-worn DBS&non DBS		Ant 6+13(6) Head WWAN+DBS&non DBS		Ant 6+13(13) Head WWAN+DBS&non DBS		Ant 6+13 Head WWAN+DBS&non DBS		Ant 6+13(6) Body-worn WWAN+DBS&non DBS		Ant 6+13(13) Body-worn WWAN+DBS&non DBS		Ant 6+13 Body-worn WWAN+DBS&non DBS		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.39
	56	5280		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.39
	60	5300		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.39
	64	5320		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.39
802.11n-HT20 MCS0	52	5260		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.25
	56	5280		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.25
	60	5300		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.25
	64	5320		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.25
802.11n-HT40 MCS0	54	5270	Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required	6.50	Not Required	6.50	Not Required	9.50	Not Required	11.00	Not Required	11.00	Not Required	14.00	92.77
	62	5310		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	92.77
802.11ac-VHT20 MCS0	52	5260		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.27
	56	5280		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.27
	60	5300		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.27
	64	5320		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	96.27
802.11ac-VHT40 MCS0	54	5270		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	92.77
	62	5310		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	92.77
802.11ac-VHT80 MCS0	58	5290		15.00		15.00		18.00		6.50		6.50		9.50		11.00		11.00		14.00	96.60
802.11ac-VHT160 MCS0	50	5250	15.84	16.00	15.66	16.00	18.76	19.00	6.33	6.50	6.16	6.50	9.25	9.50	10.85	11.00	10.66	11.00	13.76	14.00	93.57
802.11ax-HE20 MCS0	52	5260		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.76
	56	5280		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.76
	60	5300		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.76
	64	5320		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.76
802.11ax-HE40 MCS0	54	5270		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	90.93
	62	5310		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	90.93
802.11ax-HE80 MCS0	58	5290		15.00		15.00		18.00		6.50		6.50		9.50		11.00		11.00		14.00	96.25
802.11ax-HE160 MCS0	50	5250	Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required	6.50	Not Required	6.50	Not Required	9.50	Not Required	11.00	Not Required	11.00	Not Required	14.00	92.46
802.11be-EHT20 MCS0	52	5260		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.70
	56	5280		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.70
	60	5300		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.70
	64	5320		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	95.70
802.11be-EHT40 MCS0	54	5270		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	91.51
	62	5310		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	91.51
802.11be-EHT80 MCS0	58	5290		15.00		15.00		18.00		6.50		6.50		9.50		11.00		11.00		14.00	95.85
802.11be-EHT160 MCS0	50	5250		16.00		16.00		19.00		6.50		6.50		9.50		11.00		11.00		14.00	92.62



FCC SAR Test Report

Report No. : FA5D2207

<5.5GHz WLAN_Ant 6+13>			Ant 6+13(6) Full power		Ant 6+13(13) Full power		Ant 6+13 Full power		Ant 6+13(6) Head Standalone		Ant 6+13(13) Head Standalone		Ant 6+13 Head Standalone		Ant 6+13(6) Body-worn Standalone Ant 6+13(6) Extremity Standalone		Ant 6+13(13) Body-worn Standalone Ant 6+13(13) Extremity Standalone		Ant 6+13 Body-worn Standalone Ant 6+13 Extremity Standalone		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	17.87	18.00	17.62	18.00	20.76	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.39
	116	5580	17.57	18.00	17.54	18.00	20.57	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.39
	124	5620	17.53	18.00	17.37	17.50	20.46	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.39
	132	5660	17.60	18.00	17.53	18.00	20.58	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.39
	140	5700	17.87	18.00	17.62	18.00	20.76	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.39
	144	5720	17.57	18.00	17.37	17.50	20.48	21.00		14.00		14.00		17.00	Not Required	17.50	Not Required	17.50	Not Required	20.50	96.39
802.11n-HT20 MCS0	100	5500	18.25	18.50	17.89	18.00	21.08	21.50		14.00		14.00		17.00	Not Required	17.50	Not Required	17.50	Not Required	20.50	96.25
	116	5580	17.91	18.00	17.85	18.00	20.89	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.25
	124	5620	18.00	18.50	17.80	18.00	20.91	21.50		14.00		14.00		17.00		17.50		17.50		20.50	96.25
	132	5660	17.99	18.00	17.79	18.00	20.90	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.25
	140	5700	17.76	18.00	17.52	18.00	20.65	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.25
	144	5720	17.90	18.00	17.71	18.00	20.82	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.25
802.11n-HT40 MCS0	102	5510	17.58	18.00	17.38	17.50	20.49	21.00		14.00		14.00		17.00	17.11	17.50	17.38	17.50	20.25	20.50	92.77
	110	5550	17.60	18.00	17.40	17.50	20.51	21.00		14.00		14.00		17.00	17.21	17.50	17.35	17.50	20.28	20.50	92.77
	126	5630	17.56	18.00	17.42	17.50	20.50	21.00		14.00		14.00		17.00	17.09	17.50	17.42	17.50	20.26	20.50	92.77
	134	5670	17.61	18.00	17.51	18.00	20.57	21.00	Not Required	14.00	Not Required	14.00	Not Required	17.00	17.35	17.50	17.31	17.50	20.33	20.50	92.77
	142	5710	17.44	17.50	17.38	17.50	20.42	20.50		14.00		14.00		17.00	17.31	17.50	17.16	17.50	20.24	20.50	92.77
802.11ac-VHT20 MCS0	100	5500	18.33	18.50	17.96	18.00	21.16	21.50		14.00		14.00		17.00		17.50		17.50		20.50	96.27
	116	5580	17.94	18.00	17.88	18.00	20.92	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.27
	124	5620	18.01	18.50	17.81	18.00	20.92	21.50		14.00		14.00		17.00		17.50		17.50		20.50	96.27
	132	5660	18.03	18.50	17.80	18.00	20.93	21.50		14.00		14.00		17.00		17.50		17.50		20.50	96.27
	140	5700	17.79	18.00	17.53	18.00	20.67	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.27
	144	5720	17.93	18.00	17.74	18.00	20.85	21.00		14.00		14.00		17.00		17.50		17.50		20.50	96.27
802.11ac-VHT40 MCS0	102	5510	17.64	18.00	17.46	17.50	20.56	21.00		14.00		14.00		17.00		17.50		17.50		20.50	92.77
	110	5550	17.64	18.00	17.47	17.50	20.57	21.00		14.00		14.00		17.00		17.50		17.50		20.50	92.77
	126	5630	17.64	18.00	17.47	17.50	20.57	21.00		14.00		14.00		17.00		17.50		17.50		20.50	92.77
	134	5670	17.65	18.00	17.59	18.00	20.63	21.00		14.00		14.00		17.00		17.50		17.50		20.50	92.77
	142	5710	17.51	18.00	17.45	17.50	20.49	21.00		14.00		14.00		17.00		17.50		17.50		20.50	92.77
802.11ac-VHT80 MCS0	106	5530	16.65	17.00	16.35	16.50	19.51	20.00		14.00		14.00		17.00		17.00		16.50		20.00	96.60
	122	5610	16.80	17.00	16.56	17.00	19.69	20.00		14.00		14.00		17.00		17.00		17.00		20.00	96.60
	138	5690	16.74	17.00	16.57	17.00	19.67	20.00		14.00		14.00		17.00		17.00		17.00		20.00	96.60
802.11ac-VHT160 MCS0	114	5570	15.73	16.00	15.43	15.50	18.59	19.00	13.61	14.00	13.80	14.00	16.71	17.00		16.00		15.50		19.00	93.57
802.11ax-HE20 MCS0	100	5500	18.40	18.50	18.07	18.50	21.25	21.50		14.00		14.00		17.00		17.50		17.50		20.50	95.76
	116	5580	17.97	18.00	17.94	18.00	20.97	21.00		14.00		14.00		17.00	Not Required	17.50	Not Required	17.50	Not Required	20.50	95.76
	124	5620	18.04	18.50	17.87	18.00	20.97	21.50		14.00		14.00		17.00		17.50		17.50		20.50	95.76
	132	5660	18.05	18.50	17.85	18.00	20.96	21.50		14.00		14.00		17.00		17.50		17.50		20.50	95.76
	140	5700	17.81	18.00	17.58	18.00	20.71	21.00		14.00		14.00		17.00		17.50		17.50		20.50	95.76
	144	5720	17.98	18.00	17.80	18.00	20.90	21.00		14.00		14.00		17.00		17.50		17.50		20.50	95.76
802.11ax-HE40 MCS0	102	5510	17.80	18.00	17.59	18.00	20.71	21.00		14.00		14.00		17.00		17.50		17.50		20.50	90.93
	110	5550	17.77	18.00	17.59	18.00	20.69	21.00		14.00		14.00		17.00		17.50		17.50		20.50	90.93
	126	5630	17.80	18.00	17.60	18.00	20.71	21.00	Not Required	14.00	Not Required	14.00	Not Required	17.00		17.50		17.50		20.50	90.93
	134	5670	17.82	18.00	17.73	18.00	20.79	21.00		14.00		14.00		17.00		17.50		17.50		20.50	90.93
	142	5710	17.64	18.00	17.57	18.00	20.62	21.00		14.00		14.00		17.00		17.50		17.50		20.50	90.93
802.11ax-HE80 MCS0	106	5530	16.71	17.00	16.50	17.00	19.62	20.00		14.00		14.00		17.00		17.00		17.00		20.00	96.25
	122	5610	16.87	17.00	16.68	17.00	19.79	20.00		14.00		14.00		17.00		17.00		17.00		20.00	96.25
	138	5690	16.81	17.00	16.70	17.00	19.77	20.00		14.00		14.00		17.00		17.00		17.00		20.00	96.25
802.11ax-HE160 MCS0	114	5570	15.86	16.00	15.53	16.00	18.71	19.00		14.00		14.00		17.00		16.00		16.00		19.00	92.46
802.11be-EHT20 MCS0	100	5500	18.46	18.50	18.12	18.50	21.30	21.50		14.00		14.00		17.00		17.50		17.50		20.50	95.70
	116	5580	18.00	18.50	17.96	18.00	20.99	21.50		14.00		14.00		17.00		17.50		17.50		20.50	95.70
	124	5620	18.09	18.50	17.90	18.00	21.01	21.50		14.00		14.00		17.00		17.50		17.50		20.50	95.70



FCC SAR Test Report

Report No. : FA5D2207

	132	5660	18.08	18.50	17.90	18.00	21.00	21.50		14.00		14.00		17.00		17.50		17.50		20.50	95.70
	140	5700	17.84	18.00	17.60	18.00	20.73	21.00		14.00		14.00		17.00		17.50		17.50		20.50	95.70
	144	5720	18.01	18.50	17.82	18.00	20.93	21.50		14.00		14.00		17.00		17.50		17.50		20.50	95.70
802.11be-EHT40 MCS0	102	5510	17.82	18.00	17.64	18.00	20.74	21.00		14.00		14.00		17.00		17.50		17.50		20.50	91.51
	110	5550	17.80	18.00	17.67	18.00	20.75	21.00		14.00		14.00		17.00		17.50		17.50		20.50	91.51
	126	5630	17.84	18.00	17.65	18.00	20.76	21.00		14.00		14.00		17.00		17.50		17.50		20.50	91.51
	134	5670	17.83	18.00	17.77	18.00	20.81	21.00		14.00		14.00		17.00		17.50		17.50		20.50	91.51
	142	5710	17.67	18.00	17.63	18.00	20.66	21.00		14.00		14.00		17.00		17.50		17.50		20.50	91.51
	106	5530	16.77	17.00	16.53	17.00	19.66	20.00		14.00		14.00		17.00		17.00		17.00		20.00	95.85
802.11be-EHT80 MCS0	122	5610	16.96	17.00	16.71	17.00	19.85	20.00		14.00		14.00		17.00		17.00		17.00		20.00	95.85
	138	5690	16.89	17.00	16.74	17.00	19.83	20.00		14.00		14.00		17.00		17.00		17.00		20.00	95.85
	114	5570	15.91	16.00	15.58	16.00	18.76	19.00		14.00		14.00		17.00		16.00		16.00		19.00	92.62

<5.5GHz WLAN_Ant 6+13>			Ant 6+13(6) Head DBS&non DBS		Ant 6+13(13) Head DBS&non DBS		Ant 6+13 Head DBS&non DBS		Ant 6+13(6) Body-worn DBS&non DBS		Ant 6+13(13) Body-worn DBS&non DBS		Ant 6+13 Body-worn DBS&non DBS		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required	14.50	Not Required	14.50	Not Required	17.50	96.39
	116	5580		11.00		11.00		14.00		14.50		14.50		17.50	96.39
	124	5620		11.00		11.00		14.00		14.50		14.50		17.50	96.39
	132	5660		11.00		11.00		14.00		14.50		14.50		17.50	96.39
	140	5700		11.00		11.00		14.00		14.50		14.50		17.50	96.39
	144	5720		11.00		11.00		14.00		14.50		14.50		17.50	96.39
802.11n-HT20 MCS0	100	5500		11.00		11.00		14.00		14.50		14.50		17.50	96.25
	116	5580		11.00		11.00		14.00		14.50		14.50		17.50	96.25
	124	5620		11.00		11.00		14.00		14.50		14.50		17.50	96.25
	132	5660		11.00		11.00		14.00		14.50		14.50		17.50	96.25
	140	5700		11.00		11.00		14.00		14.50		14.50		17.50	96.25
	144	5720		11.00		11.00		14.00		14.50		14.50		17.50	96.25
802.11n-HT40 MCS0	102	5510		11.00		11.00		14.00		14.50		14.50		17.50	92.77
	110	5550		11.00		11.00		14.00		14.50		14.50		17.50	92.77
	126	5630		11.00		11.00		14.00		14.50		14.50		17.50	92.77
	134	5670		11.00		11.00		14.00		14.50		14.50		17.50	92.77
	142	5710		11.00		11.00		14.00		14.50		14.50		17.50	92.77
	100	5500		11.00		11.00		14.00		14.50		14.50		17.50	96.27
802.11ac-VHT20 MCS0	116	5580		11.00		11.00		14.00		14.50		14.50		17.50	96.27
	124	5620		11.00		11.00		14.00		14.50		14.50		17.50	96.27
	132	5660		11.00		11.00		14.00		14.50		14.50		17.50	96.27
	140	5700		11.00		11.00		14.00		14.50		14.50		17.50	96.27
	144	5720		11.00		11.00		14.00		14.50		14.50		17.50	96.27
	102	5510		11.00		11.00		14.00		14.50		14.50		17.50	92.77
802.11ac-VHT40 MCS0	110	5550		11.00		11.00		14.00		14.50		14.50		17.50	92.77
	126	5630		11.00		11.00		14.00		14.50		14.50		17.50	92.77
	134	5670		11.00		11.00		14.00		14.50		14.50		17.50	92.77
	142	5710		11.00		11.00		14.00		14.50		14.50		17.50	92.77
	106	5530		11.00		11.00		14.00		14.50		14.50		17.50	96.60
	122	5610		11.00		11.00		14.00		14.50		14.50		17.50	96.60
802.11ac-VHT80 MCS0	138	5690		11.00		11.00		14.00		14.50		14.50		17.50	96.60
	114	5570	10.64	11.00	10.85	11.00	13.75	14.00	14.28	14.50	14.46	14.50	17.37	17.50	93.57
802.11ax-HE20 MCS0	100	5500	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required	14.50	Not Required	14.50	Not Required	17.50	95.76
	116	5580		11.00		11.00		14.00		14.50		14.50		17.50	95.76
	124	5620		11.00		11.00		14.00		14.50		14.50		17.50	95.76
	132	5660		11.00		11.00		14.00		14.50		14.50		17.50	95.76
	140	5700		11.00		11.00		14.00		14.50		14.50		17.50	95.76
	144	5720		11.00		11.00		14.00		14.50		14.50		17.50	95.76
802.11ax-HE40 MCS0	102	5510		11.00		11.00		14.00		14.50		14.50		17.50	90.93
	110	5550		11.00		11.00		14.00		14.50		14.50		17.50	90.93
	126	5630		11.00		11.00		14.00		14.50		14.50		17.50	90.93
	134	5670		11.00		11.00		14.00		14.50		14.50		17.50	90.93
	142	5710		11.00		11.00		14.00		14.50		14.50		17.50	90.93
	100	5500		11.00		11.00		14.00		14.50		14.50		17.50	95.76



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802.11ax-HE80 MCS0	106	5530		11.00		11.00		14.00		14.50		14.50		17.50	96.25
	122	5610		11.00		11.00		14.00		14.50		14.50		17.50	96.25
	138	5690		11.00		11.00		14.00		14.50		14.50		17.50	96.25
802.11ax-HE160 MCS0	114	5570		11.00		11.00		14.00		14.50		14.50		17.50	92.46
802.11be-EHT20 MCS0	100	5500		11.00		11.00		14.00		14.50		14.50		17.50	95.70
	116	5580		11.00		11.00		14.00		14.50		14.50		17.50	95.70
	124	5620		11.00		11.00		14.00		14.50		14.50		17.50	95.70
	132	5660		11.00		11.00		14.00		14.50		14.50		17.50	95.70
	140	5700		11.00		11.00		14.00		14.50		14.50		17.50	95.70
	144	5720		11.00		11.00		14.00		14.50		14.50		17.50	95.70
802.11be-EHT40 MCS0	102	5510		11.00		11.00		14.00		14.50		14.50		17.50	91.51
	110	5550		11.00		11.00		14.00		14.50		14.50		17.50	91.51
	126	5630		11.00		11.00		14.00		14.50		14.50		17.50	91.51
	134	5670		11.00		11.00		14.00		14.50		14.50		17.50	91.51
	142	5710		11.00		11.00		14.00		14.50		14.50		17.50	91.51
802.11be-EHT80 MCS0	106	5530		11.00		11.00		14.00		14.50		14.50		17.50	95.85
	122	5610		11.00		11.00		14.00		14.50		14.50		17.50	95.85
	138	5690		11.00		11.00		14.00		14.50		14.50		17.50	95.85
802.11be-EHT160 MCS0	114	5570		11.00		11.00		14.00		14.50		14.50		17.50	92.62

<5.5GHz WLAN_Ant 6+13>			Ant 6+13(6) Head WWAN+DBS&non DBS		Ant 6+13(13) Head WWAN+DBS&non DBS		Ant 6+13 Head WWAN+DBS&non DBS		Ant 6+13(6) Body-worn WWAN+DBS&non DBS		Ant 6+13(13) Body-worn WWAN+DBS&non DBS		Ant 6+13 Body-worn WWAN+DBS&non DBS		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500		6.00		6.00		9.00		9.50		9.50		12.50	96.39
	116	5580		6.00		6.00		9.00		9.50		9.50		12.50	96.39
	124	5620		6.00		6.00		9.00		9.50		9.50		12.50	96.39
	132	5660		6.00		6.00		9.00		9.50		9.50		12.50	96.39
	140	5700		6.00		6.00		9.00		9.50		9.50		12.50	96.39
	144	5720		6.00		6.00		9.00		9.50		9.50		12.50	96.39
802.11n-HT20 MCS0	100	5500		6.00		6.00		9.00		9.50		9.50		12.50	96.25
	116	5580		6.00		6.00		9.00		9.50		9.50		12.50	96.25
	124	5620		6.00		6.00		9.00		9.50		9.50		12.50	96.25
	132	5660		6.00		6.00		9.00		9.50		9.50		12.50	96.25
	140	5700		6.00		6.00		9.00		9.50		9.50		12.50	96.25
	144	5720		6.00		6.00		9.00		9.50		9.50		12.50	96.25
802.11n-HT40 MCS0	102	5510		6.00		6.00		9.00		9.50		9.50		12.50	92.77
	110	5550		6.00		6.00		9.00		9.50		9.50		12.50	92.77
	126	5630		6.00		6.00		9.00		9.50		9.50		12.50	92.77
	134	5670	Not Required	6.00	Not Required	6.00	Not Required	9.00	Not Required	9.50	Not Required	9.50	Not Required	12.50	92.77
	142	5710		6.00		6.00		9.00		9.50		9.50		12.50	92.77
	144	5720		6.00		6.00		9.00		9.50		9.50		12.50	92.77
802.11ac-VHT20 MCS0	100	5500		6.00		6.00		9.00		9.50		9.50		12.50	96.27
	116	5580		6.00		6.00		9.00		9.50		9.50		12.50	96.27
	124	5620		6.00		6.00		9.00		9.50		9.50		12.50	96.27
	132	5660		6.00		6.00		9.00		9.50		9.50		12.50	96.27
	140	5700		6.00		6.00		9.00		9.50		9.50		12.50	96.27
	144	5720		6.00		6.00		9.00		9.50		9.50		12.50	96.27
802.11ac-VHT40 MCS0	102	5510		6.00		6.00		9.00		9.50		9.50		12.50	92.77
	110	5550		6.00		6.00		9.00		9.50		9.50		12.50	92.77
	126	5630		6.00		6.00		9.00		9.50		9.50		12.50	92.77
	134	5670		6.00		6.00		9.00		9.50		9.50		12.50	92.77
	142	5710		6.00		6.00		9.00		9.50		9.50		12.50	92.77
802.11ac-VHT80 MCS0	106	5530		6.00		6.00		9.00		9.50		9.50		12.50	96.60
	122	5610		6.00		6.00		9.00		9.50		9.50		12.50	96.60
	138	5690		6.00		6.00		9.00		9.50		9.50		12.50	96.60
802.11ac-VHT160 MCS0	114	5570	5.69	6.00	5.88	6.00	8.79	9.00	9.33	9.50	9.45	9.50	12.39	12.50	93.57
802.11ax-HE20 MCS0	100	5500		6.00		6.00		9.00		9.50		9.50		12.50	95.76
	116	5580		6.00		6.00		9.00		9.50		9.50		12.50	95.76
	124	5620	Not Required	6.00	Not Required	6.00	Not Required	9.00	Not Required	9.50	Not Required	9.50	Not Required	12.50	95.76
	132	5660		6.00		6.00		9.00		9.50		9.50		12.50	95.76
	140	5700		6.00		6.00		9.00		9.50		9.50		12.50	95.76
	144	5720		6.00		6.00		9.00		9.50		9.50		12.50	95.76



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802.11ax-HE40 MCS0	102	5510	6.00	6.00	9.00	9.50	9.50	12.50	90.93
	110	5550	6.00	6.00	9.00	9.50	9.50	12.50	90.93
	126	5630	6.00	6.00	9.00	9.50	9.50	12.50	90.93
	134	5670	6.00	6.00	9.00	9.50	9.50	12.50	90.93
	142	5710	6.00	6.00	9.00	9.50	9.50	12.50	90.93
802.11ax-HE80 MCS0	106	5530	6.00	6.00	9.00	9.50	9.50	12.50	96.25
	122	5610	6.00	6.00	9.00	9.50	9.50	12.50	96.25
	138	5690	6.00	6.00	9.00	9.50	9.50	12.50	96.25
802.11ax-HE160 MCS0	114	5570	6.00	6.00	9.00	9.50	9.50	12.50	92.46
802.11be-EHT20 MCS0	100	5500	6.00	6.00	9.00	9.50	9.50	12.50	95.70
	116	5580	6.00	6.00	9.00	9.50	9.50	12.50	95.70
	124	5620	6.00	6.00	9.00	9.50	9.50	12.50	95.70
	132	5660	6.00	6.00	9.00	9.50	9.50	12.50	95.70
	140	5700	6.00	6.00	9.00	9.50	9.50	12.50	95.70
802.11be-EHT40 MCS0	102	5510	6.00	6.00	9.00	9.50	9.50	12.50	91.51
	110	5550	6.00	6.00	9.00	9.50	9.50	12.50	91.51
	126	5630	6.00	6.00	9.00	9.50	9.50	12.50	91.51
	134	5670	6.00	6.00	9.00	9.50	9.50	12.50	91.51
	142	5710	6.00	6.00	9.00	9.50	9.50	12.50	91.51
802.11be-EHT80 MCS0	106	5530	6.00	6.00	9.00	9.50	9.50	12.50	95.85
	122	5610	6.00	6.00	9.00	9.50	9.50	12.50	95.85
	138	5690	6.00	6.00	9.00	9.50	9.50	12.50	95.85
802.11be-EHT160 MCS0	114	5570	6.00	6.00	9.00	9.50	9.50	12.50	92.62

<5.8GHz WLAN_Ant 6+13>			Ant 6+13(6) Full power Ant 6+13(6) Extremity Standalone		Ant 6+13(13) Full power Ant 6+13(13) Extremity Standalone		Ant 6+13 Full power Ant 6+13 Extremity Standalone		Ant 6+13(6) Head Standalone		Ant 6+13(13) Head Standalone		Ant 6+13 Head Standalone		Ant 6+13(6) Hotspot Ant 6+13(6) Body-worn Standalone		Ant 6+13(13) Hotspot Ant 6+13(13) Body-worn Standalone		Ant 6+13 Hotspot Ant 6+13 Body-worn Standalone					
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %			
802.11a 6Mbps	149	5745	19.82	20.00	19.25	19.50	22.55	23.00	Not Required	15.00	Not Required	14.50	Not Required	18.00	Not Required	17.50	Not Required	17.00	Not Required	20.50	96.39			
	157	5785	19.60	20.00	19.27	19.50	22.45	23.00		15.00		14.50		18.00		17.50		17.00		20.50	96.39			
	165	5825	19.10	19.50	19.29	19.50	22.21	22.50		15.00		14.50		18.00		17.50		17.00		20.50	96.39			
802.11n-HT20 MCS0	149	5745	18.65	19.00	18.13	18.50	21.41	22.00		15.00		14.50		18.00		17.50		17.00		20.50	96.25			
	157	5785	18.29	18.50	18.08	18.50	21.20	21.50		15.00		14.50		18.00		17.50		17.00		20.50	96.25			
	165	5825	18.11	18.50	18.04	18.50	21.09	21.50		15.00		14.50		18.00		17.50		17.00		20.50	96.25			
802.11n-HT40 MCS0	151	5755	17.80	18.00	17.28	17.50	20.56	21.00		15.00		14.50		18.00		17.19		17.50		16.67	17.00	19.94	20.50	92.77
	159	5795	17.47	17.50	17.29	17.50	20.39	20.50		15.00		14.50		18.00		17.24		17.50		16.56	17.00	19.91	20.50	92.77
802.11ac-VHT20 MCS0	149	5745	18.73	19.00	18.18	18.50	21.47	22.00		15.00		14.50		18.00		Not Required		17.50		Not Required	17.00	Not Required	20.50	96.27
	157	5785	18.37	18.50	18.11	18.50	21.25	21.50	15.00	14.50	18.00	17.50	17.00	20.50	96.27									
	165	5825	18.16	18.50	18.10	18.50	21.14	21.50	15.00	14.50	18.00	17.50	17.00	20.50	96.27									
802.11ac-VHT40 MCS0	151	5755	17.86	18.00	17.34	17.50	20.62	21.00	15.00	14.50	18.00	17.50	17.00	20.50	92.77									
	159	5795	17.54	18.00	17.36	17.50	20.46	21.00	15.00	14.50	18.00	17.50	17.00	20.50	92.77									
802.11ac-VHT80 MCS0	155	5775	16.95	17.00	16.45	16.50	19.72	20.00	14.81	15.00	14.32	14.50	17.57	18.00	17.00		17.00	20.00	96.60					
802.11ax-HE20 MCS0	149	5745	18.78	19.00	18.26	18.50	21.54	22.00	Not Required	15.00	Not Required	14.50	Not Required	18.00	Not Required		17.50	Not Required	17.00		Not Required		20.50	95.76
	157	5785	18.44	18.50	18.20	18.50	21.33	21.50		15.00		14.50		18.00			17.50		17.00				20.50	95.76
	165	5825	18.21	18.50	18.18	18.50	21.21	21.50		15.00		14.50		18.00			17.50		17.00				20.50	95.76
802.11ax-HE40 MCS0	151	5755	18.00	18.50	17.47	17.50	20.75	21.00		15.00		14.50		18.00		17.50	17.00		20.50	90.93				
	159	5795	17.68	18.00	17.50	18.00	20.60	21.00		15.00		14.50		18.00		17.50	17.00		20.50	90.93				
802.11ax-HE80 MCS0	155	5775	17.04	17.50	16.57	17.00	19.82	20.00		15.00		14.50		18.00		17.50	17.00		20.00	96.25				
802.11be-EHT20 MCS0	149	5745	18.82	19.00	18.30	18.50	21.58	22.00		15.00		14.50		18.00		17.50	17.00		20.50	95.70				
	157	5785	18.52	19.00	18.25	18.50	21.40	22.00		15.00		14.50		18.00		17.50	17.00		20.50	95.70				



	165	5825	18.28	18.50	18.25	18.50	21.28	21.50		15.00		14.50		18.00		17.50		17.00		20.50	95.70
802.11be-EHT40 MCS0	151	5755	18.05	18.50	17.55	18.00	20.82	21.50		15.00		14.50		18.00		17.50		17.00		20.50	91.51
	159	5795	17.73	18.00	17.55	18.00	20.65	21.00		15.00		14.50		18.00		17.50		17.00		20.50	91.51
802.11be-EHT80 MCS0	155	5775	17.11	17.50	16.58	17.00	19.86	20.00		15.00		14.50		18.00		17.50		17.00		20.00	95.85

<5.8GHz WLAN_Ant 6+13>			Ant 6+13(6) Head DBS&non DBS		Ant 6+13(13) Head DBS&non DBS		Ant 6+13 Head DBS&non DBS		Ant 6+13(6) Body-worn DBS&non DBS Ant 6+13(6) Hotspot DBS&non DBS		Ant 6+13(13) Body-worn DBS&non DBS Ant 6+13(13) Hotspot DBS&non DBS		Ant 6+13 Body-worn DBS&non DBS Ant 6+13 Hotspot DBS&non DBS		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	Not Required	12.00	Not Required	11.50	Not Required	15.00	Not Required	14.50	Not Required	14.00	Not Required	17.50	96.39
	157	5785		12.00		11.50		15.00		14.50		14.00		17.50	96.39
	165	5825		12.00		11.50		15.00		14.50		14.00		17.50	96.39
802.11n-HT20 MCS0	149	5745		12.00		11.50		15.00		14.50		14.00		17.50	96.25
	157	5785		12.00		11.50		15.00		14.50		14.00		17.50	96.25
	165	5825		12.00		11.50		15.00		14.50		14.00		17.50	96.25
802.11n-HT40 MCS0	151	5755		12.00		11.50		15.00		14.50		14.00		17.50	92.77
	159	5795		12.00		11.50		15.00		14.50		14.00		17.50	92.77
802.11ac-VHT20 MCS0	149	5745		12.00		11.50		15.00		14.50		14.00		17.50	96.27
	157	5785		12.00		11.50		15.00		14.50		14.00		17.50	96.27
	165	5825		12.00		11.50		15.00		14.50		14.00		17.50	96.27
802.11ac-VHT40 MCS0	151	5755		12.00		11.50		15.00		14.50		14.00		17.50	92.77
	159	5795		12.00		11.50		15.00		14.50		14.00		17.50	92.77
802.11ac-VHT80 MCS0	155	5775	11.83	12.00	11.36	11.50	14.60	15.00	14.36	14.50	13.87	14.00	17.12	17.50	96.60
802.11ax-HE20 MCS0	149	5745	Not Required	12.00	Not Required	11.50	Not Required	15.00	Not Required	14.50	Not Required	14.00	Not Required	17.50	95.76
	157	5785		12.00		11.50		15.00		14.50		14.00		17.50	95.76
	165	5825		12.00		11.50		15.00		14.50		14.00		17.50	95.76
802.11ax-HE40 MCS0	151	5755		12.00		11.50		15.00		14.50		14.00		17.50	90.93
	159	5795		12.00		11.50		15.00		14.50		14.00		17.50	90.93
802.11ax-HE80 MCS0	155	5775		12.00		11.50		15.00		14.50		14.00		17.50	96.25
802.11be-EHT20 MCS0	149	5745		12.00		11.50		15.00		14.50		14.00		17.50	95.70
	157	5785		12.00		11.50		15.00		14.50		14.00		17.50	95.70
	165	5825		12.00		11.50		15.00		14.50		14.00		17.50	95.70
802.11be-EHT40 MCS0	151	5755		12.00		11.50		15.00		14.50		14.00		17.50	91.51
	159	5795		12.00		11.50		15.00		14.50		14.00		17.50	91.51
802.11be-EHT80 MCS0	155	5775		12.00		11.50		15.00		14.50		14.00		17.50	95.85



<5.8GHz WLAN_Ant 6+13>			Ant 6+13(6) Head WWAN+DBS&non DBS		Ant 6+13(13) Head WWAN+DBS&non DBS		Ant 6+13 Head WWAN+DBS&non DBS		Ant 6+13(6) Body-worn WWAN+DBS&non DBS Ant 6+13(6) Hotspot WWAN+DBS&non DBS		Ant 6+13(13) Body-worn WWAN+DBS&non DBS Ant 6+13(13) Hotspot WWAN+DBS&non DBS		Ant 6+13 Body-worn WWAN+DBS&non DBS Ant 6+13 Hotspot WWAN+DBS&non DBS		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745		7.00		6.50		10.00		9.50		9.00		12.50	96.39
	157	5785		7.00		6.50		10.00		9.50		9.00		12.50	96.39
	165	5825		7.00		6.50		10.00		9.50		9.00		12.50	96.39
802.11n-HT20 MCS0	149	5745		7.00		6.50		10.00		9.50		9.00		12.50	96.25
	157	5785		7.00		6.50		10.00		9.50		9.00		12.50	96.25
	165	5825		7.00		6.50		10.00		9.50		9.00		12.50	96.25
802.11n-HT40 MCS0	151	5755	Not Required	7.00	Not Required	6.50	Not Required	10.00	Not Required	9.50	Not Required	9.00	Not Required	12.50	92.77
	159	5795		7.00		6.50		10.00		9.50		9.00		12.50	92.77
802.11ac-VHT20 MCS0	149	5745		7.00		6.50		10.00		9.50		9.00		12.50	96.27
	157	5785		7.00		6.50		10.00		9.50		9.00		12.50	96.27
	165	5825		7.00		6.50		10.00		9.50		9.00		12.50	96.27
802.11ac-VHT40 MCS0	151	5755		7.00		6.50		10.00		9.50		9.00		12.50	92.77
	159	5795		7.00		6.50		10.00		9.50		9.00		12.50	92.77
802.11ac-VHT80 MCS0	155	5775	6.88	7.00	6.39	6.50	9.64	10.00	9.39	9.50	8.90	9.00	12.15	12.50	96.60
802.11ax-HE20 MCS0	149	5745		7.00		6.50		10.00		9.50		9.00		12.50	95.76
	157	5785		7.00		6.50		10.00		9.50		9.00		12.50	95.76
	165	5825		7.00		6.50		10.00		9.50		9.00		12.50	95.76
802.11ax-HE40 MCS0	151	5755		7.00		6.50		10.00		9.50		9.00		12.50	90.93
	159	5795		7.00		6.50		10.00		9.50		9.00		12.50	90.93
802.11ax-HE80 MCS0	155	5775	Not Required	7.00	Not Required	6.50	Not Required	10.00	Not Required	9.50	Not Required	9.00	Not Required	12.50	96.25
802.11be-EHT20 MCS0	149	5745		7.00		6.50		10.00		9.50		9.00		12.50	95.70
	157	5785		7.00		6.50		10.00		9.50		9.00		12.50	95.70
	165	5825		7.00		6.50		10.00		9.50		9.00		12.50	95.70
802.11be-EHT40 MCS0	151	5755		7.00		6.50		10.00		9.50		9.00		12.50	91.51
	159	5795		7.00		6.50		10.00		9.50		9.00		12.50	91.51
802.11be-EHT80 MCS0	155	5775		7.00		6.50		10.00		9.50		9.00		12.50	95.85



Standard client				Ant 6+13(13) For Default / Full Power		Ant 6+13(6) For Default / Full Power		Ant 6+13 For Default / Full Power		Ant 6+13(13) For Head standalone		Ant 6+13(6) For Head standalone		Ant 6+13 For Head standalone		Ant 6+13(13) For Head DBS&non DBS		Ant 6+13(6) For Head DBS&non DBS		Ant 6+13 For Head DBS&non DBS		Duty Cycle %			
	Band	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)		Tune-Up Limit		
WLAN6GHz	UNII 5 (5.925-6.425GHz)	802.11ax-HE20 MCS0	1	5955	17.58	18.00	16.95	17.00	20.29	20.50		15.00		14.50		18.00		11.50		11.00		14.50	95.23		
			45	6175	16.96	17.00	16.98	17.00	19.98	20.00		15.00		14.50		18.00		11.50		11.00		14.50			
			93	6415	17.11	17.50	16.61	17.00	19.88	20.50		15.00		14.50		18.00		11.50		11.00		14.50			
		802.11ax-HE40 MCS0	3	5965	16.85	17.00	16.16	16.50	19.53	20.00		15.00		14.50		18.00		11.50		11.00		14.50	91.34		
			43	6165	16.31	16.50	16.36	16.50	19.35	19.50		15.00		14.50		18.00		11.50		11.00		14.50			
			91	6405	16.41	16.50	15.90	16.00	19.18	19.50		15.00		14.50		18.00		11.50		11.00		14.50			
		802.11ax-HE80 MCS0	7	5985	15.75	16.00	15.13	15.50	18.46	19.00		15.00		14.50		18.00		11.50		11.00		14.50	95.93		
			39	6145	15.74	16.00	15.55	16.00	18.66	19.00		15.00		14.50		18.00		11.50		11.00		14.50			
			87	6385	15.49	15.50	14.92	15.00	18.23	18.50		15.00		14.50		18.00		11.50		11.00		14.50			
		802.11ax-HE160 MCS0	15	6025	14.73	15.00	13.89	14.00	17.34	17.50		15.00		14.00		17.50		11.50		11.00		14.50	92.46		
			47	6185	14.44	14.50	14.37	14.50	17.42	17.50		15.00		14.50		17.50		11.50		11.00		14.50			
		802.11be-EHT20 MCS0	1	5955	17.59	18.00	16.96	17.00	20.30	20.50	Not Requested	15.00	Not Requested	14.50	Not Requested	18.00	Not Requested	11.50	Not Requested	11.00	Not Requested	14.50	95.70		
			45	6175	16.96	17.00	17.01	17.50	20.00	20.50		15.00		14.50		18.00		11.50		11.00		14.50			
			93	6415	17.11	17.50	16.61	17.00	19.88	20.50		15.00		14.50		18.00		11.50		11.00		14.50			
		802.11be-EHT40 MCS0	3	5965	16.92	17.00	16.24	16.50	19.60	20.00		15.00		14.50		18.00		11.50		11.00		14.50	91.26		
			43	6165	16.39	16.50	16.41	16.50	19.41	19.50		15.00		14.50		18.00		11.50		11.00		14.50			
			91	6405	16.45	16.50	15.93	16.00	19.21	19.50		15.00		14.50		18.00		11.50		11.00		14.50			
		802.11be-EHT80 MCS0	7	5985	15.77	16.00	15.16	15.50	18.49	19.00		15.00		14.50		18.00		11.50		11.00		14.50	95.85		
			39	6145	15.76	16.00	15.59	16.00	18.69	19.00		15.00		14.50		18.00		11.50		11.00		14.50			
			87	6385	15.55	16.00	14.97	15.00	18.28	18.50		15.00		14.50		18.00		11.50		11.00		14.50			
		802.11be-EHT160 MCS0	15	6025	14.79	15.00	13.92	14.00	17.39	17.50		15.00		14.00		17.50		11.50		11.00		14.50	92.40		
			47	6185	14.49	14.50	14.43	14.50	17.47	17.50		14.50		14.50		17.50		11.50		11.00		14.50			
		802.11be-EHT320 MCS0	31	6105	14.60	15.00	14.44	14.50	17.53	18.00	14.60	15.00	14.44	14.50	17.53	18.00	11.71	12.00	11.52	12.00	14.62	15.00	86.48		
			63	6265	13.96	14.00	13.41	13.50	16.71	17.00		13.96		14.00		13.41		13.50						16.71	17.00
			95	6425	14.36	14.50	14.15	14.50	17.27	17.50		14.36		14.50		14.15		14.50						17.27	17.50
		UNII 7 (6.525-6.885GHz)	802.11ax-HE20 MCS0	117	6535	17.19	17.50	16.30	16.50	19.78	20.00		14.50		13.50		17.00		14.00		13.00		17.00	95.23	
				149	6695	16.98	17.00	16.32	16.50	19.68	20.00		14.50		13.50		17.00		14.00		13.00		17.00		
				181	6855	17.28	17.50	16.73	17.00	20.03	20.50		14.50		13.50		17.00		14.00		13.00		17.00		
			802.11ax-HE40 MCS0	123	6565	16.56	17.00	15.70	16.00	19.17	19.50		14.50		13.50		17.00		14.00		13.00		17.00	91.34	
				147	6685	16.29	16.50	15.57	16.00	18.96	19.50		14.50		13.50		17.00		14.00		13.00		17.00		
	179			6845	16.46	16.50	15.98	16.00	19.24	19.50	14.50		13.50		17.00		14.00		13.00		17.00				
	802.11ax-HE80 MCS0		135	6625	15.77	16.00	14.66	15.00	18.26	18.50		14.50		13.50		17.00		14.00		13.00		17.00	95.93		
			151	6705	15.47	15.50	14.86	15.00	18.19	18.50		14.50		13.50		17.00		14.00		13.00		17.00			
			167	6785	15.43	15.50	14.83	15.00	18.15	18.50		14.50		13.50		17.00		14.00		13.00		17.00			
	802.11ax-HE160 MCS0		143	6665	13.98	14.00	13.14	13.50	16.59	17.00	Not Requested	14.00	Not Requested	13.50	Not Requested	17.00	Not Requested	14.00	Not Requested	13.00	Not Requested	17.00	92.46		
			117	6535	17.22	17.50	16.32	16.50	19.80	20.00		14.50		13.50		17.00		14.00		13.00		17.00			
	802.11be-EHT20 MCS0		149	6695	17.01	17.50	16.33	16.50	19.69	20.00		14.50		13.50		17.00		14.00		13.00		17.00	95.70		
			181	6855	17.30	17.50	16.74	17.00	20.04	20.50		14.50		13.50		17.00		14.00		13.00		17.00			
	802.11be-EHT40 MCS0		123	6565	16.63	17.00	15.74	16.00	19.22	19.50		14.50		13.50		17.00		14.00		13.00		17.00	91.26		
			147	6685	16.35	16.50	15.63	16.00	19.01	19.50		14.50		13.50		17.00		14.00		13.00		17.00			
179			6845	16.55	17.00	16.05	16.50	19.31	20.00	14.50		13.50		17.00		14.00		13.00		17.00					
802.11be-EHT80 MCS0	135		6625	15.84	16.00	14.69	15.00	18.32	18.50		14.50		13.50		17.00		14.00		13.00		17.00	95.85			
	151		6705	15.52	16.00	14.91	15.00	18.24	18.50		14.50		13.50		17.00		14.00		13.00		17.00				
	167		6785	15.51	16.00	14.87	15.00	18.22	18.50		14.50		13.50		17.00		14.00		13.00		17.00				
802.11be-EHT160 MCS0	143		6665	14.03	14.50	13.20	13.50	16.65	17.00	14.03	14.50	13.20	13.50	16.65	17.00	13.65	14.00	12.77	13.00	16.23	17.00	92.40			
802.11be-EHT320 MCS0	159	6745	14.40	14.50	13.62	14.00	17.04	17.50	14.40	14.50	13.62	14.00	17.04	17.50	13.93	14.00	13.16	13.50	16.56	17.00	86.48				



Report No. : FA5D2207

WLAN6GHz



VLP				Ant 6+13(13) For Default / Full Power		Ant 6+13(6) For Default / Full Power		Ant 6+13 For Default / Full Power		Ant 6+13(13) For Head standalone		Ant 6+13(6) For Head standalone		Ant 6+13 For Head standalone		Ant 6+13(13) For Head DBS&non DBS		Ant 6+13(6) For Head DBS&non DBS		Ant 6+13 For Head DBS&non DBS		Duty Cycle %	
Band	Mode	Chann el	Frequen cy (MHz)	Averag e power (dBm)	Tune-U p Limit	Averag e power (dBm)	Tune-U p Limit	Averag e power (dBm)	Tune-U p Limit	Average power (dBm)	Tune-U p Limit	Average power (dBm)	Tune-U p Limit	Average power (dBm)	Tune-U p Limit	Average power (dBm)	Tune-U p Limit	Average power (dBm)	Tune-U p Limit	Average power (dBm)	Tune-U p Limit		
WLAN6G Hz	UNII 5 (5.925-6.425G Hz)	802.11ax-HE20 MCS0	1	5955	2.57	3.00	1.60	2.00	5.12	6.00		3.00		2.00		6.00		3.00		2.00		6.00	95.23
			49	6195	1.82	2.00	1.50	2.00	4.68	5.00		2.00		2.00		5.00		2.00		5.00			
			93	6415	2.16	2.50	1.41	1.50	4.81	5.50		2.50		1.50		5.50		2.50		1.50		5.50	
		802.11ax-HE40 MCS0	3	5965	4.60	5.00	3.48	3.50	7.09	7.50		5.00		3.50		7.50		5.00		3.50		7.50	91.34
			51	6205	4.86	5.00	4.62	5.00	7.76	8.00		5.00		5.00		8.00		5.00		8.00			
			91	6405	4.28	5.00	3.61	4.00	6.97	7.50		4.50		4.00		7.50		4.50		4.00		7.50	
		802.11ax-HE80 MCS0	7	5985	7.74	8.00	6.97	7.00	10.38	11.00		8.00		7.00		11.00		8.00		7.00		11.00	95.93
			55	6225	7.32	7.50	7.12	7.50	10.23	10.50		7.50		7.50		10.50		7.50		7.50		10.50	
			87	6385	8.08	8.50	7.64	8.00	10.88	11.50		8.50		8.00		11.50		8.50		8.00		11.50	
		802.11ax-HE160 MCS0	15	6025	10.13	10.50	9.15	9.50	12.68	13.50	Not Requested	10.50	Not Requested	9.50	Not Requested	13.50	Not Requested	10.50	Not Requested	9.50	Not Requested	13.50	92.46
			47	6185	8.81	9.00	8.72	9.00	11.78	12.00		9.00		9.00		12.00		9.00		9.00		12.00	
		802.11be-EHT 20 MCS0	1	5955	2.61	3.00	1.65	2.00	5.17	6.00		3.00	Not Requested	2.00	Not Requested	6.00	Not Requested	3.00	Not Requested	2.00	Not Requested	6.00	95.70
			49	6195	1.91	2.00	1.58	2.00	4.76	5.00		2.00		2.00		5.00		2.00		5.00			
			93	6415	2.21	2.50	1.50	2.00	4.88	5.50		2.50		2.00		5.50		2.50		2.00		5.50	
		802.11be-EHT 40 MCS0	3	5965	4.67	5.00	3.59	4.00	7.17	8.00		5.00		4.00		8.00		5.00		4.00		8.00	91.26
			51	6205	4.97	5.00	4.74	5.00	7.86	8.00		5.00		5.00		8.00		5.00		5.00		8.00	
			91	6405	4.35	4.50	3.73	4.00	7.06	7.50		4.50		4.00		7.50		4.50		4.00		7.50	
		802.11be-EHT 80 MCS0	7	5985	7.85	8.00	7.07	7.50	10.49	11.00		8.00		7.50		11.00		8.00		7.50		11.00	95.85
			55	6225	7.40	7.50	7.23	7.50	10.33	10.50		7.50		7.50		10.50		7.50		7.50		10.50	
			87	6385	8.14	8.50	7.71	8.00	10.94	11.50		8.50		8.00		11.50		8.50		8.00		11.50	
		802.11be-EHT 160 MCS0	15	6025	10.20	10.50	9.25	9.50	12.76	13.50	Not Requested	10.50	Not Requested	9.50	Not Requested	13.50	Not Requested	10.50	Not Requested	9.50	Not Requested	13.50	92.40
			47	6185	8.92	9.00	8.80	9.00	11.87	12.00		9.00		9.00		12.00		9.00		9.00		12.00	
		802.11be-EHT 320 MCS0	31	6105	13.02	13.50	12.79	13.00	15.92	16.50	13.02	13.50	12.79	13.00	15.92	16.50	11.71	12.00	11.52	12.00	14.62	15.00	86.48
			63	6265	13.06	13.50	12.77	13.00	15.93	16.50		13.06		13.50		12.77		13.00		15.93		16.50	
	95		6425	12.48	12.50	12.41	12.50	15.46	15.50	12.48		12.50		12.48		12.50		12.41		12.50		15.46	
	UNII 6 (6.425-6.525G Hz)	802.11ax-HE20 MCS0	97	6435	1.29	1.50	0.97	1.00	4.15	4.50	Not Requested	1.50	Not Requested	1.00	Not Requested	4.50	Not Requested	1.50	Not Requested	1.00	Not Requested	4.50	95.23
			105	6475	1.73	2.00	1.31	1.50	4.54	5.00		2.00		1.50		5.00		2.00		1.50		5.00	
			113	6515	1.34	1.50	0.09	0.50	3.77	4.50		1.50		0.50		4.50		1.50		0.50		4.50	
		802.11ax-HE40 MCS0	99	6445	3.83	4.00	3.42	3.50	6.64	7.00	Not Requested	4.00	Not Requested	3.50	Not Requested	7.00	Not Requested	4.00	Not Requested	3.50	Not Requested	7.00	91.34
			115	6525	4.02	4.50	2.74	3.00	6.44	7.00		4.50		3.00		7.00		4.50		3.00		7.00	
		802.11ax-HE80 MCS0	103	6465	7.20	7.50	7.02	7.50	10.12	10.50	Not Requested	7.50	Not Requested	7.50	Not Requested	10.50	Not Requested	7.50	Not Requested	7.50	Not Requested	10.50	95.93
			119	6545	7.77	8.00	7.12	7.50	10.47	11.00		8.00		7.50		11.00		8.00		7.50		11.00	
		802.11ax-HE160 MCS0	111	6505	9.06	9.50	8.52	9.00	11.81	12.50	Not Requested	9.50	Not Requested	9.00	Not Requested	12.50	Not Requested	9.50	Not Requested	9.00	Not Requested	12.50	92.46
			97	6435	1.01	1.50	1.38	1.50	4.21	4.50		1.50		1.50		4.50		1.50		1.50		4.50	
		802.11be-EHT 20 MCS0	105	6475	1.38	1.50	1.78	2.00	4.60	5.00	Not Requested	1.50	Not Requested	1.50	Not Requested	4.50	Not Requested	1.50	Not Requested	1.50	Not Requested	4.50	95.70
			113	6515	0.17	0.50	1.42	1.50	3.85	4.50		0.50		1.50		4.50		0.50		1.50		4.50	
			99	6445	3.95	4.00	3.52	4.00	6.75	7.00		4.00		4.00		7.00		4.00		4.00		7.00	
		802.11be-EHT 40 MCS0	115	6525	4.11	4.50	2.81	3.00	6.52	7.00	Not Requested	4.50	Not Requested	3.00	Not Requested	7.00	Not Requested	4.50	Not Requested	3.00	Not Requested	7.00	91.26
			103	6465	7.30	7.50	7.09	7.50	10.21	10.50		7.50		7.50		10.50		7.50		7.50		10.50	
		802.11be-EHT 80 MCS0	119	6545	7.83	8.00	7.22	7.50	10.55	11.00	Not Requested	8.00	Not Requested	7.50	Not Requested	11.00	Not Requested	8.00	Not Requested	7.50	Not Requested	11.00	95.85
			111	6505	9.16	9.50	8.60	9.00	11.90	12.50		9.50		9.00		12.50		9.50		9.00		12.50	
		802.11be-EHT 160 MCS0	127	6585	13.02	13.50	12.54	13.00	15.80	16.50	13.02	13.50	12.54	13.00	15.80	16.50	13.02	13.50	12.54	13.00	15.80	16.50	86.48
			117	6535	1.87	2.00	0.56	1.00	4.28	5.00		2.00		1.00		5.00		2.00		1.00		5.00	
UNII 7 (6.525-6.885G Hz)		802.11ax-HE20 MCS0	149	6695	2.02	2.50	0.73	1.00	4.44	5.00	Not Requested	2.50	Not Requested	1.00	Not Requested	5.00	Not Requested	2.50	Not Requested	1.00	Not Requested	5.00	95.23
	181		6855	1.34	1.50	0.38	0.50	3.90	4.50	1.50		0.50		4.50		1.50		0.50		4.50			
	123		6565	3.97	4.00	3.14	3.50	6.59	7.00	4.00		3.50		7.00		4.00		3.50		7.00			
	802.11ax-HE40 MCS0	147	6685	4.02	4.50	3.01	3.50	6.56	7.50	Not Requested	4.50	Not Requested	3.50	Not Requested	7.50	Not Requested	4.50	Not Requested	3.50	Not Requested	7.50	91.34	
		179	6845	4.14	4.50	3.48	3.50	6.84	7.50		4.50		3.50		7.50		4.50		3.50		7.50		
	802.11ax-HE80 MCS0	135	6625	7.44	7.50	6.49	6.50	10.00	10.50	Not Requested	7.50	Not Requested	6.50	Not Requested	10.50	Not Requested	7.50	Not Requested	6.50	Not Requested	10.50	95.93	
		151	6705	7.25	7.50	6.46	6.50	9.88	10.50		7.50		6.50		10.50		7.50		6.50		10.50		



UNII 8 (6.885-7.125G Hz)	802.11ax-HE16 0 MCS0	167	6785	7.26	7.50	6.46	6.50	9.89	10.50		7.50		6.50		10.50		7.50		6.50		10.50	
		143	6665	9.39	9.50	9.43	9.50	12.42	12.50		9.50		9.50		12.50		9.50		9.50		12.50	92.46
	802.11be-EHT 20 MCS0	117	6535	1.91	2.00	0.63	1.00	4.33	5.00		2.00		1.00		5.00		2.00		1.00		5.00	
		149	6695	2.07	2.50	0.82	1.00	4.50	5.00		2.50		1.00		5.00		2.50		1.00		5.00	95.70
		181	6855	1.41	1.50	0.45	0.50	3.97	4.50		1.50		0.50		4.50		1.50		0.50		4.50	
		123	6565	4.07	4.50	3.24	3.50	6.68	7.50		4.50		3.50		7.50		4.50		3.50		7.50	
	802.11be-EHT 40 MCS0	147	6685	4.13	4.50	3.08	3.50	6.64	7.50		4.50		3.50		7.50		4.50		3.50		7.50	91.26
		179	6845	4.25	4.50	3.59	4.00	6.94	7.50		4.50		4.00		7.50		4.50		4.00		7.50	
		135	6625	7.50	8.00	6.56	7.00	10.07	11.00		8.00		7.00		11.00		8.00		7.00		11.00	
		151	6705	7.33	7.50	6.55	7.00	9.97	10.50		7.50		7.00		10.50		7.50		7.00		10.50	95.85
	802.11be-EHT 80 MCS0	167	6785	7.37	7.50	6.56	7.00	10.00	10.50		7.50		7.00		10.50		7.50		7.00		10.50	
		143	6665	9.50	10.00	9.53	10.00	12.53	13.00		10.00		10.00		13.00		10.00		10.00		13.00	92.40
		159	6745	12.99	13.00	12.27	12.50	15.66	16.00	12.99	13.00	12.27	12.50	15.66	16.00	12.99	13.00	12.27	12.50	15.66	16.00	86.48
		189	6895	1.26	1.50	0.77	1.00	4.03	4.50		1.50		1.00		4.50		1.50		1.00		4.50	
	802.11ax-HE20 MCS0	209	6995	1.75	2.00	1.27	1.50	4.53	5.00		2.00		1.50		5.00		2.00		1.50		5.00	95.23
		229	7095	1.74	2.00	1.43	1.50	4.60	5.00		2.00		1.50		5.00		2.00		1.50		5.00	
		195	6925	3.60	4.00	3.74	4.00	6.68	7.00		4.00		4.00		7.00		4.00		4.00		7.00	
		211	7005	4.37	4.50	4.26	4.50	7.33	7.50		4.50		4.50		7.50		4.50		4.50		7.50	91.34
	802.11ax-HE40 MCS0	227	7085	4.86	5.00	4.97	5.00	7.93	8.00		5.00		5.00		8.00		5.00		5.00		8.00	
		199	6945	6.38	6.50	6.47	6.50	9.44	9.50		6.50		6.50		9.50		6.50		6.50		9.50	95.93
		215	7025	6.80	7.00	6.78	7.00	9.80	10.00		7.00		7.00		10.00		7.00		7.00		10.00	
		207	6985	9.54	10.00	10.06	10.50	12.82	13.50	Not Requested	10.00	Not Requested	10.50	Not Requested	13.50	Not Requested	10.00	Not Requested	10.50	Not Requested	13.50	92.46
	802.11ax-HE16 0 MCS0	189	6895	1.33	1.50	0.83	1.00	4.10	4.50		1.50		1.00		4.50		1.50		1.00		4.50	
		209	6995	1.84	2.00	1.31	1.50	4.59	5.00		2.00		1.50		5.00		2.00		1.50		5.00	95.70
		229	7095	1.82	2.00	1.47	1.50	4.66	5.00		2.00		1.50		5.00		2.00		1.50		5.00	
		195	6925	3.68	4.00	3.83	4.00	6.76	7.00		4.00		4.00		7.00		4.00		4.00		7.00	
	802.11be-EHT 40 MCS0	211	7005	4.49	4.50	4.35	4.50	7.43	7.50		4.50		4.50		7.50		4.50		4.50		7.50	91.26
		227	7085	4.96	5.00	5.08	5.50	8.03	8.50		5.00		5.50		8.50		5.00		5.50		8.50	
		199	6945	6.47	6.50	6.53	7.00	9.51	10.00		6.50		7.00		10.00		6.50		7.00		10.00	95.85
		215	7025	6.87	7.00	6.84	7.00	9.87	10.00		7.00		7.00		10.00		7.00		7.00		10.00	
	802.11be-EHT 80 MCS0	207	6985	9.63	10.00	10.17	10.50	12.92	13.50		10.00		10.50		13.50		10.00		10.50		13.50	92.40
		207	6985	9.63	10.00	10.17	10.50	12.92	13.50		10.00		10.50		13.50		10.00		10.50		13.50	
		191	6905	12.25	12.50	12.57	13.50	15.42	16.50	12.25	12.50	12.57	13.50	15.42	16.50	12.25	12.50	12.57	13.50	15.42	16.50	86.48
		191	6905	12.25	12.50	12.57	13.50	15.42	16.50	12.25	12.50	12.57	13.50	15.42	16.50	12.25	12.50	12.57	13.50	15.42	16.50	86.48

VLP				Ant 6+13(13) For Head WWAN+DBS&N on DBS		Ant 6+13(6) For Head WWAN+DBS&N on DBS		Ant 6+13 For Head WWAN+DBS&N on DBS		Ant 6+13(13) For Body-worn/Extre mity standalone Ant 6+13(13) For Body-worn/Extre mity DBS&Non DBS		Ant 6+13(6) For Body-worn/Extre mity standalone Ant 6+13(6) For Body-worn/Extre mity DBS&Non DBS		Ant 6+13 For Body-worn/Extre mity standalone Ant 6+13 For Body-worn/Extre mity DBS&Non DBS		Ant 6+13(13) For Body-worn/Extre mity WWAN+DBS&N on DBS		Ant 6+13(6) For Body-worn/Extre mity WWAN+DBS&N on DBS		Ant 6+13 For Body-worn/Extre mity WWAN+DBS&N on DBS		Duty Cycle %	
Band	Mode	Chann el	Frequen cy (MHz)	Average power (dBm)	Tune- Up Limit	Average power (dBm)	Tune- Up Limit	Average power (dBm)	Tune- Up Limit	Average power (dBm)	Tune-U p Limit	Average power (dBm)	Tune-U p Limit	Average power (dBm)	Tune-U p Limit	Average power (dBm)	Tune-U p Limit	Average power (dBm)	Tune-U p Limit	Average power (dBm)	Tune-U p Limit		
WLAN6G Hz	UNII 5 (5.925-6.425G Hz)	802.11ax-HE20 MCS0	1	5955	Not Requested	3.00	Not Requested	2.00	Not Requested	6.00	Not Requested	3.00	Not Requested	2.00	Not Requested	6.00	Not Requested	3.00	Not Requested	2.00	Not Requested	6.00	95.23
			49	6195		2.00		2.00		5.00		2.00		5.00		2.00		5.00					
			93	6415		2.50		1.50		5.50		2.50		1.50		5.50		2.50		1.50		5.50	
		802.11ax-HE40 MCS0	3	5965	5.00	3.50	7.50	5.00	3.50	7.50	5.00	3.50	7.50	5.00	3.50	7.50	5.00	3.50	7.50	5.00	3.50	7.50	91.34
			51	6205	5.00	5.00	8.00	5.00	5.00	8.00	5.00	5.00	8.00	5.00	5.00	8.00	5.00	5.00	8.00				
			91	6405	4.50	4.00	7.50	4.50	4.00	7.50	4.50	4.00	7.50	4.50	4.00	7.50	4.50	4.00	7.50				
		802.11ax-HE80 MCS0	7	5985	6.50	6.00	9.50	8.00	7.00	11.00	8.00	7.00	11.00	8.00	7.00	11.00	8.00	7.00	11.00	8.00	7.00	11.00	95.93
			55	6225	Not Requested	6.50	Not Requested	6.00	Not Requested	9.50	Not Requested	7.50	Not Requested	7.50	Not Requested	10.50	Not Requested	7.50	Not Requested	7.50	Not Requested	10.50	
			87	6385	6.50	6.00	9.50	8.50	8.00	11.50	8.50	8.00	11.50	8.50	8.00	11.50	8.50	8.00	11.50				
		802.11ax-HE160 MCS0	15	6025	6.50	6.00	9.50	10.50	9.50	13.50	10.00	9.50	13.00	12.00	9.00	9.00	12.00	9.00	9.00	12.00	9.00	12.00	92.46
			47	6185	6.50	6.00	9.50	9.00	9.00	12.00	9.00	9.00	12.00	9.00	9.00	12.00	9.00	9.00	12.00	9.00	12.00		
			1	5955	3.00	2.00	6.00	3.00	2.00	6.00	3.00	2.00	6.00	3.00	2.00	6.00	3.00	2.00	6.00	3.00	2.00	6.00	
		802.11be-EHT20 MCS0	49	6195	2.00	2.00	5.00	2.00	2.00	5.00	2.00	2.00	5.00	2.00	2.00	5.00	2.00	2.00	5.00	2.00	2.00	5.00	95.70
			93	6415	2.50	2.00	5.50	2.50	2.00	5.50	2.50	2.00	5.50	2.50	2.00	5.50	2.50	2.00	5.50	2.50	2.00	5.50	
			3	5965	5.00	4.00	8.00	5.00	4.00	8.00	5.00	4.00	8.00	5.00	4.00	8.00	5.00	4.00	8.00	5.00	4.00	8.00	
802.11be-EHT	3	5965	5.00	4.00	8.00	5.00	4.00	8.00	5.00	4.00	8.00	5.00	4.00	8.00	5.00	4.00	8.00	5.00	4.00	8.00	91.26		



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		40 MCS0	51	6205		5.00		5.00		8.00		5.00		5.00		8.00		5.00		5.00		8.00		
			91	6405		4.50		4.00		7.50		4.50		4.00		7.50		4.50		4.00		7.50		4.50
		802.11be-EHT 80 MCS0	7	5985		6.50		6.00		9.50		8.00		7.50		11.00		8.00		7.50		11.00		
			55	6225		6.50		6.00		9.50		7.50		7.50		10.50		7.50		7.50		10.50		
			87	6385		6.50		6.00		9.50		8.50		8.00		11.50		8.50		8.00		11.50		
		802.11be-EHT 160 MCS0	15	6025		6.50		6.00		9.50		10.50		9.50		13.50		10.00		9.50		13.00		
			47	6185		6.50		6.00		9.50		9.00		9.00		12.00		9.00		9.00		12.00		
		802.11be-EHT 320 MCS0	31	6105	6.71	7.00	6.57	7.00	9.64	10.00	13.02	13.50	12.79	13.00	15.92	16.50	10.71	11.00	10.41	10.50	13.56	14.00		
			63	6265	6.04	6.50	5.51	6.00	8.78	9.50	13.06	13.50	12.77	13.00	15.93	16.50	9.96	10.00	9.41	9.50	12.70	13.00		86.48
			95	6425	6.42	6.50	6.27	6.50	9.35	9.50	12.48	12.50	12.41	12.50	15.46	15.50	10.36	10.50	10.15	10.50	13.26	13.50		
		UNII 6 (6.425-6.525GHz)	802.11ax-HE2 0 MCS0	97	6435		1.50		1.00		4.50		1.50		1.00		4.50		1.50		1.00		4.50	
				105	6475		2.00		1.50		5.00		2.00		1.50		5.00		2.00		1.50		5.00	
	113			6515	1.50		0.50		4.50		1.50		0.50		4.50		1.50		0.50		4.50			
	802.11ax-HE4 0 MCS0		99	6445		4.00		3.50		7.00		4.00		3.50		7.00		4.00		3.50		7.00		
			115	6525		4.50		3.00		7.00		4.50		3.00		7.00		4.50		3.00		7.00		
	802.11ax-HE8 0 MCS0		103	6465		7.50		7.50		10.50		7.50		7.50		10.50		7.50		7.50		10.50		
			119	6545		8.00		7.50		11.00		8.00		7.50		11.00		8.00		7.50		11.00		
	802.11ax-HE1 60 MCS0		111	6505	Not Requested	8.50	Not Requested	8.50	Not Requested	11.50	Not Requested	9.50	Not Requested	9.00	Not Requested	12.50	Not Requested	9.50	Not Requested	9.00	Not Requested	12.50	92.46	
			97	6435		1.50		1.50		4.50		1.50		1.50		4.50		1.50		1.50		4.50		
	802.11be-EHT 20 MCS0		105	6475		1.50		2.00		5.00		1.50		2.00		5.00		1.50		2.00		5.00	95.70	
			113	6515		0.50		1.50		4.50		0.50		1.50		4.50		0.50		1.50		4.50		
	802.11be-EHT 40 MCS0		99	6445		4.00		4.00		7.00		4.00		4.00		7.00		4.00		4.00		7.00	91.26	
			115	6525		4.50		3.00		7.00		4.50		3.00		7.00		4.50		3.00		7.00		
	802.11be-EHT 80 MCS0		103	6465		7.50		7.50		10.50		7.50		7.50		10.50		7.50		7.50		10.50	95.85	
			119	6545		8.00		7.50		11.00		8.00		7.50		11.00		8.00		7.50		11.00		
	802.11be-EHT 160 MCS0		111	6505		8.50		8.50		11.50		9.50		9.00		12.50		9.50		9.00		12.50	92.40	
	802.11be-EHT 320 MCS0		127	6585		8.44		8.50		8.01		8.50		11.23		11.50		13.02		13.50		12.54		13.00
	UNII 7 (6.525-6.885GHz)		802.11ax-HE2 0 MCS0	117	6535		2.00		1.00		5.00		2.00		1.00		5.00		2.00		1.00		5.00	95.23
		149		6695	2.50		1.00		5.00		2.50		1.00		5.00		2.50		1.00		5.00			
		181		6855	1.50		0.50		4.50		1.50		0.50		4.50		1.50		0.50		4.50			
		802.11ax-HE4 0 MCS0	123	6565		4.00		3.50		7.00		4.00		3.50		7.00		4.00		3.50		7.00	91.34	
			147	6685		4.50		3.50		7.50		4.50		3.50		7.50		4.50		3.50		7.50		
		179	6845	4.50	3.50	7.50	4.50	3.50	7.50	4.50	3.50	7.50												
		802.11ax-HE8 0 MCS0	135	6625		7.50		6.50		10.50		7.50		6.50		10.50		7.50		6.50		10.50	95.93	
			151	6705		7.50		6.50		10.50		7.50		6.50		10.50		7.50		6.50		10.50		
		167	6785	7.50	6.50	10.50	7.50	6.50	10.50	7.50	6.50	10.50												
		802.11ax-HE1 60 MCS0	143	6665	Not Requested	8.50	Not Requested	8.00	Not Requested	11.50	Not Requested	9.50	Not Requested	9.50	Not Requested	12.50	Not Requested	9.50	Not Requested	9.50	Not Requested	12.50	92.46	
			117	6535		2.00		1.00		5.00		2.00		1.00		5.00		2.00		1.00		5.00		
		802.11be-EHT 20 MCS0	149	6695		2.50		1.00		5.00		2.50		1.00		5.00		2.50		1.00		5.00	95.70	
			181	6855		1.50		0.50		4.50		1.50		0.50		4.50		1.50		0.50		4.50		
		802.11be-EHT 40 MCS0	123	6565		4.50		3.50		7.50		4.50		3.50		7.50		4.50		3.50		7.50	91.26	
			147	6685		4.50		3.50		7.50		4.50		3.50		7.50		4.50		3.50		7.50		
		802.11be-EHT 80 MCS0	179	6845		4.50		4.00		7.50		4.50		4.00		7.50		4.50		4.00		7.50	95.85	
			135	6625		8.00		7.00		11.00		8.00		7.00		11.00		8.00		7.00		11.00		
		802.11be-EHT 160 MCS0	151	6705		7.50		7.00		10.50		7.50		7.00		10.50		7.50		7.00		10.50	92.40	
	167		6785	7.50		7.00		10.50		7.50		7.00		10.50		7.50		7.00		10.50				
	802.11be-EHT 320 MCS0	143	6665		8.50		8.00		11.50		10.00		10.00		13.00		10.00		10.00		13.00	86.48		
	159	6745	8.27		8.50		7.78		8.00		11.03		11.50		12.99		13.00		12.27		12.50		15.66	16.00
	UNII 8 (6.885-7.125GHz)	802.11ax-HE2 0 MCS0	189	6895		1.50		1.00		4.50		1.50		1.00		4.50		1.50		1.00		4.50	95.23	
			209	6995		2.00		1.50		5.00		2.00		1.50		5.00		2.00		1.50		5.00		
			229	7095		2.00		1.50		5.00		2.00		1.50		5.00		2.00		1.50		5.00		
		802.11ax-HE4 0 MCS0	195	6925	Not Requested	4.00	Not Requested	4.00	Not Requested	7.00	Not Requested	4.00	Not Requested	4.00	Not Requested	7.00	Not Requested	4.00	Not Requested	4.00	Not Requested	7.00	91.34	
			211	7005		4.50		4.50		7.50		4.50		4.50		7.50		4.50		4.50		7.50		
		802.11ax-HE8 0 MCS0	227	7085		5.00		5.00		8.00		5.00		5.00		8.00		5.00		5.00		8.00	95.93	
	199		6945	6.50		6.50		9.50		6.50		6.50		9.50		6.50		6.50		9.50				
	215	7025	7.00	7.00	10.00	7.00	7.00	10.00	7.00	7.00	10.00													



		802.11ax-HE1 60 MCS0	207	6985		8.50		9.00		12.00		10.00		10.50		13.50		10.00		10.50		13.50	92.46
			189	6895		1.50		1.00		4.50		1.50		1.00		4.50		1.50		1.00		4.50	
		802.11be-EHT 20 MCS0	209	6995		2.00		1.50		5.00		2.00		1.50		5.00		2.00		1.50		5.00	95.70
			229	7095		2.00		1.50		5.00		2.00		1.50		5.00		2.00		1.50		5.00	
		802.11be-EHT 40 MCS0	195	6925		4.00		4.00		7.00		4.00		4.00		7.00		4.00		4.00		7.00	91.26
			211	7005		4.50		4.50		7.50		4.50		4.50		7.50		4.50		4.50		7.50	
			227	7085		5.00		5.50		8.50		5.00		5.50		8.50		5.00		5.50		8.50	
		802.11be-EHT 80 MCS0	199	6945		6.50		7.00		10.00		6.50		7.00		10.00		6.50		7.00		10.00	95.85
			215	7025		7.00		7.00		10.00		7.00		7.00		10.00		7.00		7.00		10.00	
		802.11be-EHT 160 MCS0	207	6985		8.50		9.00		12.00		10.00		10.50		13.50		10.00		10.50		13.50	92.40
		802.11be-EHT 320 MCS0	191	6905	8.17	8.50	8.61	9.00	11.40	12.00	12.25	12.50	12.57	13.50	15.42	16.50	12.25	12.50	12.57	13.50	15.42	16.50	86.48