

100	PI/2 BPSK	135	69	16.14	16.24	16.15	16.50
100	PI/2 BPSK	135	138	15.82	16.04	16.00	16.50
100	PI/2 BPSK	270	0	15.76	16.03	16.04	16.50
100	QPSK	1	1	15.36	15.61	15.64	16.50
100	QPSK	1	137	16.02	16.08	16.09	16.50
100	QPSK	1	271	15.63	15.79	15.67	16.50
100	QPSK	135	0	15.75	15.88	15.87	16.50
100	QPSK	135	69	15.98	16.06	16.04	16.50
100	QPSK	135	138	15.78	15.99	15.86	16.50
100	QPSK	270	0	15.68	15.91	15.86	16.50
100	16QAM	1	1	15.80	16.03	16.12	16.50
100	64QAM	1	1	15.72	15.97	16.07	16.50
100	256QAM	1	1	15.78	15.89	15.92	16.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	15.61	15.62	16.06	16.50
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	15.54	15.66	15.96	16.50
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	15.60	15.61	15.99	16.50
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	15.56	15.60	15.98	16.50
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	15.58	15.66	15.98	16.50
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	15.55	15.69	16.09	16.50
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	15.52	15.60	16.07	16.50
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	15.59	15.61	16.05	16.50
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	15.54	15.59	16.00	16.50

【FR1 n66_Main_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	23.55	23.74	23.73	25.00
45	PI/2 BPSK	1	120	23.57	23.95	23.82	25.00
45	PI/2 BPSK	1	240	23.35	23.68	23.59	25.00
45	PI/2 BPSK	120	0	23.15	23.35	23.29	24.50
45	PI/2 BPSK	120	60	23.54	23.92	23.72	25.00
45	PI/2 BPSK	120	120	23.17	23.42	23.32	24.50
45	PI/2 BPSK	240	0	23.17	23.41	23.28	24.50
45	QPSK	1	1	23.37	23.69	23.61	25.00
45	QPSK	1	120	23.55	23.90	23.73	25.00
45	QPSK	1	240	23.30	23.64	23.57	25.00
45	QPSK	120	0	22.56	22.82	22.77	24.00
45	QPSK	120	60	23.55	23.90	23.73	25.00
45	QPSK	120	120	22.63	22.90	22.88	24.00
45	QPSK	240	0	22.65	22.85	22.72	24.00
45	16QAM	1	1	22.12	22.37	22.24	24.00
45	64QAM	1	1	20.50	20.81	20.78	22.50
45	256QAM	1	1	19.15	19.43	19.39	20.50
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	23.48	23.70	23.65	25.00
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	23.42	23.71	23.61	25.00
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	23.47	23.70	23.61	25.00
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)

25	PI/2 BPSK	1	1	23.49	23.70	23.59	25.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.53	23.73	23.70	25.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.52	23.62	23.59	25.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.43	23.71	23.59	25.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.51	23.62	23.60	25.00

【FR1 n66_MIMO2_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	23.53	23.71	23.64	25.00
45	PI/2 BPSK	1	120	23.64	23.78	23.68	25.00
45	PI/2 BPSK	1	240	23.45	23.65	23.52	25.00
45	PI/2 BPSK	120	0	23.09	23.39	23.23	24.50
45	PI/2 BPSK	120	60	23.72	23.80	23.70	25.00
45	PI/2 BPSK	120	120	23.12	23.41	23.23	24.50
45	PI/2 BPSK	240	0	23.18	23.44	23.35	24.50
45	QPSK	1	1	23.44	23.69	23.51	25.00
45	QPSK	1	120	23.51	23.78	23.60	25.00
45	QPSK	1	240	23.44	23.64	23.51	25.00
45	QPSK	120	0	22.59	22.84	22.62	24.00
45	QPSK	120	60	23.50	23.74	23.63	25.00
45	QPSK	120	120	22.57	22.83	22.72	24.00
45	QPSK	240	0	22.56	22.85	22.70	24.00
45	16QAM	1	1	22.60	22.79	22.60	24.00
45	64QAM	1	1	21.58	21.80	21.59	22.50
45	256QAM	1	1	19.57	19.82	19.66	20.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.51	23.56	23.51	25.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	23.51	23.58	23.58	25.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.49	23.66	23.57	25.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.48	23.69	23.60	25.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.45	23.63	23.62	25.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.44	23.60	23.60	25.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.48	23.62	23.52	25.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.41	23.68	23.51	25.00

【FR1 n66_Main_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	19.64	19.94	19.83	21.00
45	PI/2 BPSK	1	120	19.92	20.25	20.23	21.00
45	PI/2 BPSK	1	240	19.73	20.07	20.05	21.00
45	PI/2 BPSK	120	0	19.81	20.19	20.09	21.00

45	PI/2 BPSK	120	60	19.86	20.23	20.21	21.00
45	PI/2 BPSK	120	120	19.85	20.16	20.06	21.00
45	PI/2 BPSK	240	0	19.84	20.18	20.16	21.00
45	QPSK	1	1	19.48	19.84	19.79	21.00
45	QPSK	1	120	19.81	20.13	20.07	21.00
45	QPSK	1	240	19.63	20.03	20.00	21.00
45	QPSK	120	0	19.78	20.11	20.01	21.00
45	QPSK	120	60	19.74	20.11	20.09	21.00
45	QPSK	120	120	19.65	20.05	20.03	21.00
45	QPSK	240	0	19.76	20.10	20.04	21.00
45	16QAM	1	1	19.92	20.23	20.21	21.00
45	64QAM	1	1	19.56	19.87	19.80	21.00
45	256QAM	1	1	18.92	18.95	18.88	20.00
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	19.60	19.93	19.74	21.00
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	19.60	19.92	19.77	21.00
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	19.54	19.83	19.72	21.00
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	19.59	19.80	19.80	21.00
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	19.50	19.85	19.72	21.00
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	19.51	19.85	19.76	21.00
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	19.62	19.79	19.68	21.00
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	19.49	19.79	19.80	21.00

【FR1 n66_MIMO2_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	20.01	20.26	20.00	21.00
45	PI/2 BPSK	1	120	20.13	20.49	20.19	21.00
45	PI/2 BPSK	1	240	20.05	20.31	20.02	21.00
45	PI/2 BPSK	120	0	20.23	20.43	20.13	21.00
45	PI/2 BPSK	120	60	20.24	20.45	20.25	21.00
45	PI/2 BPSK	120	120	20.13	20.40	20.15	21.00
45	PI/2 BPSK	240	0	20.17	20.39	20.18	21.00
45	QPSK	1	1	19.97	20.17	19.96	21.00
45	QPSK	1	120	20.22	20.45	20.19	21.00
45	QPSK	1	240	19.99	20.22	20.01	21.00
45	QPSK	120	0	20.10	20.33	20.06	21.00
45	QPSK	120	60	20.12	20.35	20.10	21.00
45	QPSK	120	120	20.06	20.32	20.09	21.00
45	QPSK	240	0	19.97	20.27	20.04	21.00
45	16QAM	1	1	19.96	20.16	19.88	21.00
45	64QAM	1	1	19.91	20.19	19.99	21.00
45	256QAM	1	1	19.10	19.35	19.06	20.00
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	19.98	20.18	19.86	21.00
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	19.97	20.16	19.93	21.00
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	19.87	20.19	19.97	21.00
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	19.89	20.22	19.98	21.00
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)

20	PI/2 BPSK	1	1	19.94	20.12	19.96	21.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	19.97	20.16	19.87	21.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	19.98	20.21	19.94	21.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	19.94	20.20	19.88	21.00

【FR1 n71_Main_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.04	24.06	24.05	25.00
20	PI/2 BPSK	1	53	24.07	24.30	24.09	25.00
20	PI/2 BPSK	1	104	23.99	24.16	24.00	25.00
20	PI/2 BPSK	50	0	23.50	23.54	23.53	24.50
20	PI/2 BPSK	50	28	24.04	24.15	24.05	25.00
20	PI/2 BPSK	50	56	23.38	23.55	23.44	24.50
20	PI/2 BPSK	100	0	23.57	23.61	23.58	24.50
20	QPSK	1	1	23.84	23.98	23.88	25.00
20	QPSK	1	53	24.03	24.19	24.05	25.00
20	QPSK	1	104	23.98	24.08	23.98	25.00
20	QPSK	50	0	22.84	22.98	22.96	24.00
20	QPSK	50	28	23.99	24.06	24.02	25.00
20	QPSK	50	56	22.85	23.00	22.89	24.00
20	QPSK	100	0	22.91	23.07	22.99	24.00
20	16QAM	1	1	22.68	22.71	22.58	24.00
20	64QAM	1	1	21.32	21.42	21.38	22.50
20	256QAM	1	1	19.93	20.02	19.96	20.50
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.94	23.96	23.96	25.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.91	23.92	24.03	25.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.94	24.02	23.97	25.00

【FR1 n71_Main_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.54	23.56	23.55	24.50
20	PI/2 BPSK	1	53	23.57	23.80	23.59	24.50
20	PI/2 BPSK	1	104	23.49	23.66	23.50	24.50
20	PI/2 BPSK	50	0	23.00	23.04	23.03	24.00
20	PI/2 BPSK	50	28	23.54	23.65	23.55	24.50
20	PI/2 BPSK	50	56	22.88	23.05	22.94	24.00
20	PI/2 BPSK	100	0	23.07	23.11	23.08	24.00
20	QPSK	1	1	23.34	23.48	23.38	24.50
20	QPSK	1	53	23.53	23.69	23.55	24.50
20	QPSK	1	104	23.48	23.58	23.48	24.50
20	QPSK	50	0	22.34	22.48	22.46	23.50
20	QPSK	50	28	23.49	23.56	23.52	24.50
20	QPSK	50	56	22.35	22.50	22.39	23.50
20	QPSK	100	0	22.41	22.57	22.49	23.50
20	16QAM	1	1	22.18	22.21	22.08	23.50
20	64QAM	1	1	20.82	20.92	20.88	22.00
20	256QAM	1	1	19.43	19.52	19.46	20.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.47	23.45	23.50	24.50
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	

10	PI/2 BPSK	1	1	23.46	23.44	23.50	24.50
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.53	23.42	23.53	24.50

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Main_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.59		25.00
100	PI/2 BPSK	1	137		24.28		25.00
100	PI/2 BPSK	1	271		23.37		25.00
100	PI/2 BPSK	135	0		24.20		25.00
100	PI/2 BPSK	135	69		24.37		25.00
100	PI/2 BPSK	135	138		24.06		25.00
100	PI/2 BPSK	270	0		24.04		25.00
100	QPSK	1	1		23.62		25.00
100	QPSK	1	137		24.01		25.00
100	QPSK	1	271		23.57		25.00
100	QPSK	135	0		24.17		25.00
100	QPSK	135	69		24.30		25.00
100	QPSK	135	138		24.23		25.00
100	QPSK	270	0		24.28		25.00
100	16QAM	1	1		24.01		25.00
100	64QAM	1	1		22.51		24.50
100	256QAM	1	1		21.16		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.56	23.57	23.57	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.53	23.55	23.49	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.50	23.49	23.45	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.44	23.44	23.48	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.48	23.45	23.46	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.49	23.50	23.48	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.52	23.56	23.43	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.45	23.55	23.46	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.43	23.44	23.49	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.43	23.50	23.47	25.00

【FR1 n77/n78 (96)_FCC_Part 96 (3550~3700MHz)_Main_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	23.63	23.75	23.93	25.00
100	PI/2 BPSK	1	137	24.29	24.25	24.38	25.00
100	PI/2 BPSK	1	271	23.43	23.57	23.70	25.00
100	PI/2 BPSK	135	0	24.26	24.31	24.57	25.00
100	PI/2 BPSK	135	69	24.43	24.44	24.63	25.00
100	PI/2 BPSK	135	138	23.99	24.11	24.32	25.00
100	PI/2 BPSK	270	0	24.11	24.25	24.45	25.00



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100	QPSK	1	1	23.61	23.66	23.91	25.00
100	QPSK	1	137	24.05	24.26	24.44	25.00
100	QPSK	1	271	23.57	23.51	23.77	25.00
100	QPSK	135	0	24.18	24.31	24.59	25.00
100	QPSK	135	69	24.26	24.40	24.64	25.00
100	QPSK	135	138	24.20	24.39	24.54	25.00
100	QPSK	270	0	24.30	24.29	24.50	25.00
100	16QAM	1	1	24.08	24.13	24.26	25.00
100	64QAM	1	1	22.60	22.77	22.88	24.50
100	256QAM	1	1	21.20	21.31	21.54	22.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	23.61	23.63	23.79	25.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	23.51	23.63	23.80	25.00
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	23.62	23.68	23.79	25.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	23.52	23.73	23.88	25.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	23.49	23.64	23.91	25.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	23.49	23.61	23.80	25.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	23.51	23.70	23.78	25.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	23.57	23.72	23.87	25.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	23.60	23.66	23.87	25.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	23.51	23.68	23.87	25.00

【FR1 n77 (270) FCC_Part 270 (3700~3980MHz) Main_Sensor OFF】

BW [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	23.92	23.68	23.77	25.00
100	PI/2 BPSK	1	137	24.46	24.31	24.33	25.00
100	PI/2 BPSK	1	271	23.69	23.49	23.58	25.00
100	PI/2 BPSK	135	0	24.53	24.29	24.25	25.00
100	PI/2 BPSK	135	69	24.64	24.41	24.47	25.00
100	PI/2 BPSK	135	138	24.32	24.07	24.15	25.00
100	PI/2 BPSK	270	0	24.44	24.15	24.21	25.00
100	QPSK	1	1	23.95	23.64	23.74	25.00
100	QPSK	1	137	24.42	24.21	24.16	25.00
100	QPSK	1	271	23.72	23.45	23.55	25.00
100	QPSK	135	0	24.54	24.32	24.34	25.00
100	QPSK	135	69	24.61	24.43	24.45	25.00
100	QPSK	135	138	24.53	24.18	24.24	25.00
100	QPSK	270	0	24.44	24.33	24.40	25.00
100	16QAM	1	1	24.24	24.05	24.10	25.00
100	64QAM	1	1	22.90	22.55	22.66	24.50
100	256QAM	1	1	21.47	21.19	21.25	22.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.80	23.59	23.64	25.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.80	23.57	23.65	25.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.87	23.55	23.72	25.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)

60	PI/2 BPSK	1	1	23.82	23.53	23.73	25.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	23.81	23.61	23.66	25.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	23.85	23.54	23.73	25.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	23.89	23.63	23.70	25.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	23.82	23.57	23.67	25.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.79	23.56	23.74	25.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.89	23.54	23.72	25.00

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_MIMO2_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.69		25.00
100	PI/2 BPSK	1	137		24.23		25.00
100	PI/2 BPSK	1	271		23.66		25.00
100	PI/2 BPSK	135	0		24.32		25.00
100	PI/2 BPSK	135	69		24.37		25.00
100	PI/2 BPSK	135	138		24.13		25.00
100	PI/2 BPSK	270	0		24.05		25.00
100	QPSK	1	1		23.68		25.00
100	QPSK	1	137		24.11		25.00
100	QPSK	1	271		23.68		25.00
100	QPSK	135	0		24.17		25.00
100	QPSK	135	69		24.34		25.00
100	QPSK	135	138		24.03		25.00
100	QPSK	270	0		24.10		25.00
100	16QAM	1	1		23.72		25.00
100	64QAM	1	1		22.60		24.50
100	256QAM	1	1		21.35		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.66	23.67	23.62	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.60	23.57	23.53	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.54	23.61	23.50	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.60	23.62	23.59	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.55	23.66	23.55	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.57	23.66	23.56	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.59	23.61	23.59	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.61	23.52	23.59	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.60	23.64	23.49	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.63	23.56	23.58	25.00

【FR1 n77/n78 (96)_FCC_Part 96 (3550~3700MHz)_MIMO2_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	23.62	23.57	23.32	25.00
100	PI/2 BPSK	1	137	24.17	24.15	24.12	25.00
100	PI/2 BPSK	1	271	23.66	23.59	23.53	25.00
100	PI/2 BPSK	135	0	24.23	24.19	24.17	25.00
100	PI/2 BPSK	135	69	24.25	24.26	24.32	25.00
100	PI/2 BPSK	135	138	24.07	24.04	24.06	25.00
100	PI/2 BPSK	270	0	23.98	23.92	23.91	25.00
100	QPSK	1	1	23.56	23.62	23.59	25.00
100	QPSK	1	137	24.11	24.03	24.09	25.00
100	QPSK	1	271	23.62	23.52	23.45	25.00
100	QPSK	135	0	24.13	24.10	24.08	25.00
100	QPSK	135	69	24.35	24.26	24.35	25.00
100	QPSK	135	138	23.89	23.92	23.90	25.00
100	QPSK	270	0	24.04	24.01	23.87	25.00
100	16QAM	1	1	23.63	23.63	23.49	25.00
100	64QAM	1	1	22.66	22.56	22.58	24.50
100	256QAM	1	1	21.32	21.33	21.18	22.50
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	23.57	23.44	23.18	25.00
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	23.60	23.54	23.21	25.00
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	23.55	23.44	23.26	25.00
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	23.54	23.49	23.25	25.00
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	23.53	23.44	23.28	25.00
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.59	23.55	23.23	25.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.51	23.50	23.21	25.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.50	23.53	23.19	25.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.48	23.55	23.21	25.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.47	23.46	23.23	25.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_MIMO2_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.24	23.19	23.08	25.00
100	PI/2 BPSK	1	137	24.04	24.01	23.92	25.00
100	PI/2 BPSK	1	271	23.56	23.46	23.43	25.00
100	PI/2 BPSK	135	0	24.19	24.07	23.97	25.00
100	PI/2 BPSK	135	69	24.27	24.19	24.14	25.00
100	PI/2 BPSK	135	138	23.99	23.87	23.83	25.00
100	PI/2 BPSK	270	0	23.92	23.80	23.71	25.00
100	QPSK	1	1	23.51	23.36	23.32	25.00
100	QPSK	1	137	24.01	23.92	23.77	25.00
100	QPSK	1	271	23.55	23.39	23.36	25.00
100	QPSK	135	0	24.11	23.91	23.90	25.00
100	QPSK	135	69	24.32	24.16	24.16	25.00
100	QPSK	135	138	23.95	23.79	23.77	25.00

100	QPSK	270	0	23.90	23.82	23.82	25.00
100	16QAM	1	1	23.50	23.34	23.44	25.00
100	64QAM	1	1	22.59	22.55	22.55	24.50
100	256QAM	1	1	21.21	21.25	21.06	22.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.22	23.14	23.02	25.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.13	23.11	23.00	25.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.10	23.15	23.01	25.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	23.12	23.10	23.05	25.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	23.13	23.13	23.04	25.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	23.20	23.17	23.01	25.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	23.19	23.08	23.01	25.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	23.22	23.09	23.02	25.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.21	23.14	23.03	25.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.15	23.12	23.01	25.00

【FR1 n77 (27Q)_ FCC_Part 27Q (3450~3550MHz)_MIMO3_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.90		25.00
100	PI/2 BPSK	1	137		24.59		25.00
100	PI/2 BPSK	1	271		24.20		25.00
100	PI/2 BPSK	135	0		24.70		25.00
100	PI/2 BPSK	135	69		24.72		25.00
100	PI/2 BPSK	135	138		24.62		25.00
100	PI/2 BPSK	270	0		24.64		25.00
100	QPSK	1	1		23.94		25.00
100	QPSK	1	137		24.43		25.00
100	QPSK	1	271		24.17		25.00
100	QPSK	135	0		24.50		25.00
100	QPSK	135	69		24.68		25.00
100	QPSK	135	138		24.51		25.00
100	QPSK	270	0		24.57		25.00
100	16QAM	1	1		23.66		25.00
100	64QAM	1	1		23.12		24.50
100	256QAM	1	1		21.85		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.79	23.84	23.86	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.68	23.79	23.83	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.66	23.76	23.75	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.70	23.78	23.84	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.72	23.71	23.83	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)

40	PI/2 BPSK	1	1	23.73	23.78	23.75	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.72	23.83	23.80	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.72	23.71	23.74	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.71	23.80	23.82	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.66	23.83	23.82	25.00

【FR1 n77/n78 (96)_FCC_Part 96 (3550~3700MHz)_MIMO3_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	23.88	23.87	23.84	25.00
100	PI/2 BPSK	1	137	24.44	24.37	24.35	25.00
100	PI/2 BPSK	1	271	24.11	24.17	24.16	25.00
100	PI/2 BPSK	135	0	24.65	24.52	24.58	25.00
100	PI/2 BPSK	135	69	24.67	24.64	24.63	25.00
100	PI/2 BPSK	135	138	24.48	24.54	24.53	25.00
100	PI/2 BPSK	270	0	24.53	24.52	24.47	25.00
100	QPSK	1	1	23.85	23.87	23.83	25.00
100	QPSK	1	137	24.42	24.40	24.36	25.00
100	QPSK	1	271	23.96	24.01	24.09	25.00
100	QPSK	135	0	24.41	24.44	24.51	25.00
100	QPSK	135	69	24.56	24.52	24.59	25.00
100	QPSK	135	138	24.48	24.40	24.49	25.00
100	QPSK	270	0	24.47	24.50	24.39	25.00
100	16QAM	1	1	23.69	23.67	23.64	25.00
100	64QAM	1	1	23.06	23.03	23.09	24.50
100	256QAM	1	1	21.86	21.76	21.71	22.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	23.74	23.76	23.72	25.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	23.85	23.79	23.80	25.00
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	23.82	23.77	23.82	25.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	23.80	23.75	23.70	25.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	23.74	23.84	23.70	25.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	23.82	23.83	23.80	25.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	23.85	23.83	23.69	25.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	23.80	23.84	23.72	25.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	23.76	23.84	23.70	25.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	23.79	23.82	23.77	25.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_MIMO3_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
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Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.84	23.82	23.69	25.00
100	PI/2 BPSK	1	137	24.30	24.11	24.00	25.00
100	PI/2 BPSK	1	271	24.16	23.76	23.75	25.00
100	PI/2 BPSK	135	0	24.63	24.26	24.21	25.00
100	PI/2 BPSK	135	69	24.64	24.27	24.23	25.00
100	PI/2 BPSK	135	138	24.55	24.22	24.13	25.00
100	PI/2 BPSK	270	0	24.49	24.24	24.13	25.00
100	QPSK	1	1	23.90	23.48	23.46	25.00
100	QPSK	1	137	24.41	24.02	23.90	25.00
100	QPSK	1	271	24.06	23.70	23.71	25.00
100	QPSK	135	0	24.45	24.11	23.97	25.00
100	QPSK	135	69	24.59	24.34	24.26	25.00
100	QPSK	135	138	24.53	24.11	23.98	25.00
100	QPSK	270	0	24.45	24.09	24.09	25.00
100	16QAM	1	1	23.55	23.28	23.27	25.00
100	64QAM	1	1	23.05	22.64	22.53	24.50
100	256QAM	1	1	21.73	21.36	21.33	22.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.75	23.79	23.55	25.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.81	23.71	23.68	25.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.77	23.75	23.67	25.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	23.82	23.67	23.66	25.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	23.75	23.72	23.62	25.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	23.75	23.75	23.65	25.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	23.70	23.73	23.55	25.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	23.74	23.69	23.59	25.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.78	23.67	23.62	25.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.78	23.77	23.56	25.00

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_Aux_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.66		25.00
100	PI/2 BPSK	1	137		24.62		25.00
100	PI/2 BPSK	1	271		23.74		25.00
100	PI/2 BPSK	135	0		24.53		25.00
100	PI/2 BPSK	135	69		24.62		25.00
100	PI/2 BPSK	135	138		24.58		25.00
100	PI/2 BPSK	270	0		24.64		25.00
100	QPSK	1	1		23.57		25.00
100	QPSK	1	137		24.55		25.00
100	QPSK	1	271		23.70		25.00
100	QPSK	135	0		24.46		25.00
100	QPSK	135	69		24.58		25.00
100	QPSK	135	138		24.49		25.00
100	QPSK	270	0		24.51		25.00
100	16QAM	1	1		23.69		25.00
100	64QAM	1	1		22.90		24.50
100	256QAM	1	1		21.78		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)

90	PI/2 BPSK	1	1	23.59	23.63	23.64	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.45	23.50	23.54	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.58	23.54	23.54	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.54	23.53	23.58	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.51	23.55	23.57	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.44	23.56	23.56	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.55	23.50	23.58	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.56	23.56	23.58	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.52	23.52	23.55	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.53	23.57	23.62	25.00

【FR1 n77/n78 (96)_FCC_Part 96 (3550~3700MHz)_Aux_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	23.49	23.38	23.40	25.00
100	PI/2 BPSK	1	137	24.35	24.17	24.10	25.00
100	PI/2 BPSK	1	271	23.71	23.60	23.44	25.00
100	PI/2 BPSK	135	0	24.41	24.20	24.19	25.00
100	PI/2 BPSK	135	69	24.48	24.29	24.25	25.00
100	PI/2 BPSK	135	138	24.44	24.23	24.16	25.00
100	PI/2 BPSK	270	0	24.37	24.17	24.15	25.00
100	QPSK	1	1	23.18	23.17	23.05	25.00
100	QPSK	1	137	24.25	24.08	24.14	25.00
100	QPSK	1	271	23.33	23.34	23.40	25.00
100	QPSK	135	0	23.94	24.03	24.07	25.00
100	QPSK	135	69	24.42	24.19	24.06	25.00
100	QPSK	135	138	24.01	24.01	24.06	25.00
100	QPSK	270	0	24.09	24.05	24.10	25.00
100	16QAM	1	1	23.52	23.37	23.31	25.00
100	64QAM	1	1	22.76	22.71	22.62	24.50
100	256QAM	1	1	21.63	21.59	21.36	22.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	23.43	23.30	23.32	25.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	23.39	23.28	23.31	25.00
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	23.44	23.32	23.31	25.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	23.46	23.30	23.34	25.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	23.37	23.25	23.35	25.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	23.36	23.23	23.25	25.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	23.44	23.23	23.28	25.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)

20	PI/2 BPSK	1	1	23.38	23.27	23.37	25.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	23.38	23.34	23.39	25.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	23.39	23.26	23.29	25.00

【FR1 n77 (270) FCC_Part 270 (3700~3980MHz)_Aux_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.31	23.27	23.10	25.00
100	PI/2 BPSK	1	137	24.13	23.79	23.76	25.00
100	PI/2 BPSK	1	271	23.40	23.42	23.27	25.00
100	PI/2 BPSK	135	0	24.14	23.69	23.63	25.00
100	PI/2 BPSK	135	69	24.28	23.83	23.80	25.00
100	PI/2 BPSK	135	138	24.14	23.64	23.64	25.00
100	PI/2 BPSK	270	0	24.14	23.63	23.67	25.00
100	QPSK	1	1	23.15	23.09	23.02	25.00
100	QPSK	1	137	24.10	23.71	23.61	25.00
100	QPSK	1	271	23.34	23.27	23.13	25.00
100	QPSK	135	0	24.01	23.68	23.53	25.00
100	QPSK	135	69	24.14	23.69	23.60	25.00
100	QPSK	135	138	24.04	23.61	23.59	25.00
100	QPSK	270	0	24.09	23.61	23.59	25.00
100	16QAM	1	1	23.27	23.27	23.19	25.00
100	64QAM	1	1	22.59	22.63	22.56	24.50
100	256QAM	1	1	21.38	21.34	21.29	22.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.21	23.25	23.01	25.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.24	23.26	23.03	25.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.17	23.15	23.01	25.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	23.16	23.22	23.01	25.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	23.25	23.23	23.03	25.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	23.26	23.20	23.00	25.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	23.21	23.21	23.00	25.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	23.26	23.22	23.00	25.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.18	23.24	23.00	25.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.21	23.15	23.05	25.00

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_HPUE_Main_Sensor OFF】

BW [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
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.10		27.00
100	PI/2 BPSK	1	137		25.53		27.00
100	PI/2 BPSK	1	271		25.09		27.00
100	PI/2 BPSK	135	0		25.30		26.50



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100	PI/2 BPSK	135	69		26.02		27.00
100	PI/2 BPSK	135	138		25.18		26.50
100	PI/2 BPSK	270	0		25.24		26.50
100	QPSK	1	1		25.05		27.00
100	QPSK	1	137		25.44		27.00
100	QPSK	1	271		25.15		27.00
100	QPSK	135	0		24.93		26.50
100	QPSK	135	69		25.89		27.00
100	QPSK	135	138		24.69		26.50
100	QPSK	270	0		24.67		26.50
100	16QAM	1	1		24.18		25.50
100	64QAM	1	1		22.65		24.50
100	256QAM	1	1		21.24		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.08	25.04	25.09	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.02	25.00	25.00	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.01	25.00	25.00	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.01	25.00	25.01	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.01	25.00	25.03	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.01	25.00	25.03	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.03	25.00	25.00	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.06	25.02	25.06	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.00	25.01	25.02	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.02	25.00	25.05	27.00

【FR1 n77/n78 (96)_FCC_Part 96 (3550~3700MHz)_HPUE_Main_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	25.09	25.18	25.25	27.00
100	PI/2 BPSK	1	137	25.48	25.67	25.73	27.00
100	PI/2 BPSK	1	271	25.09	25.06	25.16	27.00
100	PI/2 BPSK	135	0	25.25	25.40	25.45	26.50
100	PI/2 BPSK	135	69	25.89	26.15	26.25	27.00
100	PI/2 BPSK	135	138	25.12	25.52	25.53	26.50
100	PI/2 BPSK	270	0	25.13	25.37	25.48	26.50
100	QPSK	1	1	25.05	25.10	25.23	27.00
100	QPSK	1	137	25.45	25.56	25.70	27.00
100	QPSK	1	271	25.04	25.10	25.15	27.00
100	QPSK	135	0	24.90	25.00	25.11	26.50
100	QPSK	135	69	25.88	26.12	26.21	27.00
100	QPSK	135	138	24.58	24.88	24.86	26.50
100	QPSK	270	0	24.71	24.78	24.92	26.50
100	16QAM	1	1	24.02	24.18	24.30	25.50
100	64QAM	1	1	22.53	22.85	22.92	24.50
100	256QAM	1	1	21.19	21.43	21.55	22.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	25.02	25.11	25.20	27.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	25.00	25.04	25.13	27.00
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)

70	PI/2 BPSK	1	1	25.03	25.11	25.19	27.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	25.07	25.05	25.10	27.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	25.02	25.03	25.11	27.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	25.01	25.11	25.13	27.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	25.02	25.14	25.13	27.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	25.07	25.04	25.15	27.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	25.01	25.10	25.20	27.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	25.02	25.12	25.23	27.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Main_Sensor OFF】

BW [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	25.30	25.23	25.29	27.00
100	PI/2 BPSK	1	137	25.68	25.63	25.73	27.00
100	PI/2 BPSK	1	271	25.24	25.17	25.19	27.00
100	PI/2 BPSK	135	0	25.42	25.45	25.42	26.50
100	PI/2 BPSK	135	69	26.23	25.97	26.28	27.00
100	PI/2 BPSK	135	138	25.61	25.45	25.62	26.50
100	PI/2 BPSK	270	0	25.45	25.42	25.54	26.50
100	QPSK	1	1	25.15	25.04	25.13	27.00
100	QPSK	1	137	25.69	25.43	25.67	27.00
100	QPSK	1	271	25.14	25.02	25.17	27.00
100	QPSK	135	0	25.04	24.83	24.99	26.50
100	QPSK	135	69	26.21	25.87	26.15	27.00
100	QPSK	135	138	24.94	24.69	24.92	26.50
100	QPSK	270	0	24.91	24.74	25.00	26.50
100	16QAM	1	1	24.27	24.11	24.28	25.50
100	64QAM	1	1	22.87	22.72	22.86	24.50
100	256QAM	1	1	21.48	21.23	21.55	22.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.28	25.11	25.20	27.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.17	25.15	25.28	27.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.25	25.16	25.16	27.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	25.15	25.09	25.25	27.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.24	25.19	25.26	27.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	25.18	25.15	25.26	27.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	25.28	25.13	25.26	27.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	25.24	25.13	25.23	27.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	25.19	25.18	25.22	27.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)

10	PI/2 BPSK	1	1	25.25	25.10	25.16	27.00
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【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_MIMO2_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
100	PI/2 BPSK	1	1	25.43	25.46	25.44	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.31	25.41	25.42	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.39	25.34	25.40	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.30	25.37	25.39	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.36	25.34	25.37	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.34	25.38	25.31	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.39	25.39	25.33	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.33	25.40	25.43	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.31	25.42	25.37	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.41	25.36	25.34	27.00

【FR1 n77/n78 (96) _FCC_Part 96 (3550~3700MHz)_HPUE_MIMO2_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	Tune-up limit
Frequency (MHz)				3600	3624.99	3649.98	(dBm)
100	PI/2 BPSK	1	1	25.26	25.24	25.38	27.00
100	PI/2 BPSK	1	137	25.96	25.95	25.96	27.00
100	PI/2 BPSK	1	271	25.24	25.24	25.23	27.00
100	PI/2 BPSK	135	0	25.44	25.48	25.42	26.50
100	PI/2 BPSK	135	69	26.29	26.24	26.25	27.00
100	PI/2 BPSK	135	138	25.38	25.33	25.29	26.50
100	PI/2 BPSK	270	0	25.42	25.41	25.45	26.50
100	QPSK	1	1	25.14	25.20	25.25	27.00
100	QPSK	1	137	25.64	25.58	25.60	27.00
100	QPSK	1	271	25.12	25.12	25.16	27.00



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100	QPSK	135	0	25.20	25.22	25.13	26.50
100	QPSK	135	69	26.07	26.17	26.03	27.00
100	QPSK	135	138	25.10	25.11	25.03	26.50
100	QPSK	270	0	25.16	25.18	25.07	26.50
100	16QAM	1	1	23.80	23.64	23.63	25.50
100	64QAM	1	1	22.55	22.64	22.53	24.50
100	256QAM	1	1	21.27	21.22	21.27	22.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	25.16	25.13	25.33	27.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	25.16	25.13	25.25	27.00
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	25.24	25.16	25.36	27.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	25.12	25.18	25.36	27.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	25.12	25.20	25.35	27.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	25.23	25.20	25.33	27.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	25.16	25.14	25.25	27.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	25.15	25.11	25.29	27.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	25.20	25.19	25.26	27.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	25.20	25.22	25.30	27.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_MIMO2_Sensor OFF】

BW [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	25.40	25.18	25.10	27.00
100	PI/2 BPSK	1	137	25.96	25.93	25.86	27.00
100	PI/2 BPSK	1	271	25.19	25.19	25.16	27.00
100	PI/2 BPSK	135	0	25.47	25.46	25.39	26.50
100	PI/2 BPSK	135	69	26.18	26.17	25.89	27.00
100	PI/2 BPSK	135	138	25.31	25.37	25.25	26.50
100	PI/2 BPSK	270	0	25.42	25.37	25.31	26.50
100	QPSK	1	1	25.27	25.05	25.02	27.00
100	QPSK	1	137	25.62	25.52	25.56	27.00
100	QPSK	1	271	25.11	25.07	25.04	27.00
100	QPSK	135	0	25.17	25.11	25.00	26.50
100	QPSK	135	69	26.04	26.06	26.08	27.00
100	QPSK	135	138	25.01	25.07	25.00	26.50
100	QPSK	270	0	25.14	25.06	25.08	26.50
100	16QAM	1	1	23.70	23.55	23.64	25.50
100	64QAM	1	1	22.51	22.52	22.50	24.50
100	256QAM	1	1	21.21	21.16	21.07	22.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.38	25.08	25.03	27.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.33	25.05	25.04	27.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.28	25.14	25.03	27.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	25.32	25.08	25.05	27.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)

50	PI/2 BPSK	1	1	25.32	25.14	25.05	27.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	25.37	25.06	25.02	27.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	25.33	25.14	25.05	27.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	25.30	25.17	25.00	27.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	25.35	25.12	25.00	27.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.37	25.17	25.00	27.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_MIMO3_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.28		27.00
100	PI/2 BPSK	1	137		25.89		27.00
100	PI/2 BPSK	1	271		25.43		27.00
100	PI/2 BPSK	135	0		25.89		26.50
100	PI/2 BPSK	135	69		26.45		27.00
100	PI/2 BPSK	135	138		25.88		26.50
100	PI/2 BPSK	270	0		25.90		26.50
100	QPSK	1	1		25.12		27.00
100	QPSK	1	137		25.57		27.00
100	QPSK	1	271		25.36		27.00
100	QPSK	135	0		25.42		26.50
100	QPSK	135	69		26.41		27.00
100	QPSK	135	138		25.47		26.50
100	QPSK	270	0		25.45		26.50
100	16QAM	1	1		24.21		25.50
100	64QAM	1	1		23.16		24.50
100	256QAM	1	1		21.85		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.19	25.26	25.24	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.08	25.19	25.10	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.09	25.20	25.17	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.16	25.18	25.21	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.08	25.13	25.23	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.14	25.18	25.15	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.18	25.21	25.19	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.09	25.16	25.18	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.15	25.14	25.15	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.12	25.11	25.11	27.00

【FR1 n77/n78 (96) _FCC_Part 96 (3550~3700MHz)_HPUE_MIMO3_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	25.30	25.14	25.09	27.00
100	PI/2 BPSK	1	137	25.91	25.86	25.85	27.00
100	PI/2 BPSK	1	271	25.39	25.33	25.30	27.00
100	PI/2 BPSK	135	0	25.86	25.64	25.70	26.50
100	PI/2 BPSK	135	69	26.08	25.91	25.79	27.00
100	PI/2 BPSK	135	138	25.85	25.83	25.77	26.50
100	PI/2 BPSK	270	0	25.76	25.83	25.86	26.50
100	QPSK	1	1	25.11	25.07	25.04	27.00
100	QPSK	1	137	25.57	25.57	25.51	27.00
100	QPSK	1	271	25.27	25.19	25.28	27.00
100	QPSK	135	0	25.23	25.22	25.27	26.50
100	QPSK	135	69	25.97	25.86	25.74	27.00
100	QPSK	135	138	25.35	25.25	25.33	26.50
100	QPSK	270	0	25.36	25.31	25.29	26.50
100	16QAM	1	1	24.06	23.99	24.14	25.50
100	64QAM	1	1	23.11	23.13	23.07	24.50
100	256QAM	1	1	21.79	21.79	21.73	22.50
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	25.22	25.03	25.04	27.00
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	25.26	25.10	25.00	27.00
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	25.17	25.13	25.02	27.00
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	25.20	25.11	25.01	27.00
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	25.20	25.04	25.05	27.00
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	25.20	25.12	25.00	27.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	25.17	25.03	25.00	27.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	25.16	25.11	25.01	27.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	25.15	25.10	25.01	27.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	25.19	25.12	25.01	27.00

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_MIMO3_Sensor OFF】

BW [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	25.07	25.04	25.05	27.00
100	PI/2 BPSK	1	137	25.77	25.71	25.68	27.00
100	PI/2 BPSK	1	271	25.37	25.21	25.16	27.00
100	PI/2 BPSK	135	0	25.65	25.72	25.58	26.50
100	PI/2 BPSK	135	69	25.78	25.69	25.67	27.00
100	PI/2 BPSK	135	138	25.72	25.63	25.62	26.50
100	PI/2 BPSK	270	0	25.78	25.63	25.64	26.50
100	QPSK	1	1	25.11	25.12	25.08	27.00
100	QPSK	1	137	25.50	25.40	25.34	27.00
100	QPSK	1	271	25.23	25.13	25.05	27.00
100	QPSK	135	0	25.23	25.19	25.10	26.50
100	QPSK	135	69	25.66	25.71	25.52	27.00
100	QPSK	135	138	25.31	25.17	25.12	26.50
100	QPSK	270	0	25.27	25.20	25.17	26.50



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100	16QAM	1	1	24.12	24.03	23.89	25.50
100	64QAM	1	1	23.05	22.89	22.86	24.50
100	256QAM	1	1	21.76	21.60	21.59	22.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.00	25.00	25.00	27.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.01	25.01	25.00	27.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.01	25.02	25.01	27.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	25.00	25.02	25.03	27.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.01	25.01	25.01	27.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	25.05	25.00	25.00	27.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	25.01	25.00	25.00	27.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	25.00	25.01	25.02	27.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	25.04	25.01	25.03	27.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.02	25.00	25.04	27.00

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz) HPUE_Aux_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.67		27.00
100	PI/2 BPSK	1	137		26.33		27.00
100	PI/2 BPSK	1	271		25.55		27.00
100	PI/2 BPSK	135	0		25.77		26.50
100	PI/2 BPSK	135	69		26.52		27.00
100	PI/2 BPSK	135	138		25.67		26.50
100	PI/2 BPSK	270	0		25.78		26.50
100	QPSK	1	1		25.50		27.00
100	QPSK	1	137		25.99		27.00
100	QPSK	1	271		25.56		27.00
100	QPSK	135	0		25.49		26.50
100	QPSK	135	69		26.53		27.00
100	QPSK	135	138		25.39		26.50
100	QPSK	270	0		25.53		26.50
100	16QAM	1	1		24.02		25.50
100	64QAM	1	1		22.88		24.50
100	256QAM	1	1		21.61		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.61	25.63	25.66	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.49	25.57	25.54	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.53	25.59	25.55	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.46	25.54	25.52	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	25.52	25.53	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.54	25.50	25.63	27.00

Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.55	25.49	25.64	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.50	25.58	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	25.52	25.60	25.53	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.48	25.52	25.61	27.00

【FR1 n77/n78 (96) _FCC_Part 96 (3550~3700MHz)_HPUE_Aux_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	25.47	25.42	25.58	27.00
100	PI/2 BPSK	1	137	26.25	26.23	26.22	27.00
100	PI/2 BPSK	1	271	25.43	25.40	25.43	27.00
100	PI/2 BPSK	135	0	25.61	25.66	25.62	26.50
100	PI/2 BPSK	135	69	26.47	26.40	26.33	27.00
100	PI/2 BPSK	135	138	25.62	25.55	25.52	26.50
100	PI/2 BPSK	270	0	25.68	25.60	25.68	26.50
100	QPSK	1	1	25.33	25.38	25.45	27.00
100	QPSK	1	137	25.84	25.81	25.78	27.00
100	QPSK	1	271	25.25	25.24	25.27	27.00
100	QPSK	135	0	25.34	25.30	25.33	26.50
100	QPSK	135	69	26.29	26.41	26.29	27.00
100	QPSK	135	138	25.31	25.24	25.26	26.50
100	QPSK	270	0	25.32	25.34	25.25	26.50
100	16QAM	1	1	23.96	23.92	23.87	25.50
100	64QAM	1	1	22.78	22.80	22.78	24.50
100	256QAM	1	1	21.42	21.44	21.35	22.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	25.43	25.37	25.54	27.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	25.36	25.31	25.48	27.00
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	25.43	25.30	25.49	27.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	25.42	25.39	25.57	27.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	25.34	25.29	25.44	27.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	25.35	25.31	25.48	27.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	25.46	25.34	25.52	27.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	25.38	25.33	25.56	27.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	25.33	25.40	25.43	27.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	25.34	25.27	25.47	27.00

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_Aux_Sensor OFF】

BW [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	



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Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.63	25.37	25.27	27.00
100	PI/2 BPSK	1	137	26.13	26.12	25.90	27.00
100	PI/2 BPSK	1	271	25.38	25.33	25.24	27.00
100	PI/2 BPSK	135	0	25.65	25.64	25.56	26.50
100	PI/2 BPSK	135	69	26.31	26.28	26.20	27.00
100	PI/2 BPSK	135	138	25.51	25.54	25.46	26.50
100	PI/2 BPSK	270	0	25.60	25.56	25.53	26.50
100	QPSK	1	1	25.48	25.19	25.15	27.00
100	QPSK	1	137	25.79	25.68	25.62	27.00
100	QPSK	1	271	25.27	25.22	25.10	27.00
100	QPSK	135	0	25.26	25.29	25.25	26.50
100	QPSK	135	69	26.23	26.27	26.17	27.00
100	QPSK	135	138	25.27	25.22	25.12	26.50
100	QPSK	270	0	25.23	25.30	25.18	26.50
100	16QAM	1	1	23.79	23.77	23.66	25.50
100	64QAM	1	1	22.79	22.59	22.52	24.50
100	256QAM	1	1	21.37	21.32	21.23	22.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.54	25.32	25.24	27.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.59	25.31	25.19	27.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.55	25.34	25.17	27.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	25.57	25.32	25.17	27.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.51	25.34	25.25	27.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	25.60	25.29	25.24	27.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	25.55	25.36	25.15	27.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	25.61	25.32	25.19	27.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	25.56	25.28	25.19	27.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.57	25.31	25.25	27.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_Main_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.32		12.50
100	PI/2 BPSK	1	137		11.88		12.50
100	PI/2 BPSK	1	271		11.35		12.50
100	PI/2 BPSK	135	0		11.89		12.50
100	PI/2 BPSK	135	69		11.92		12.50
100	PI/2 BPSK	135	138		11.62		12.50
100	PI/2 BPSK	270	0		11.80		12.50
100	QPSK	1	1		11.34		12.50
100	QPSK	1	137		11.88		12.50
100	QPSK	1	271		11.30		12.50
100	QPSK	135	0		11.79		12.50
100	QPSK	135	69		11.82		12.50
100	QPSK	135	138		11.62		12.50
100	QPSK	270	0		11.73		12.50
100	16QAM	1	1		11.39		12.50
100	64QAM	1	1		11.33		12.50
100	256QAM	1	1		11.40		12.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	11.31	11.30	11.35	12.50



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Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	11.27	11.18	11.32	12.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	11.29	11.15	11.23	12.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	11.28	11.27	11.29	12.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	11.23	11.27	11.21	12.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	11.24	11.22	11.34	12.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	11.26	11.17	11.33	12.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	11.27	11.16	11.23	12.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	11.24	11.19	11.23	12.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	11.30	11.28	11.30	12.50

【FR1 n77/n78 (96)_FCC_Part 96 (3550~3700MHz)_Main_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	11.40	11.54	11.61	12.50
100	PI/2 BPSK	1	137	11.77	11.96	11.99	12.50
100	PI/2 BPSK	1	271	11.42	11.58	11.63	12.50
100	PI/2 BPSK	135	0	11.82	11.95	11.98	12.50
100	PI/2 BPSK	135	69	11.84	12.11	12.19	12.50
100	PI/2 BPSK	135	138	11.64	11.69	11.79	12.50
100	PI/2 BPSK	270	0	11.69	11.89	11.94	12.50
100	QPSK	1	1	11.33	11.43	11.50	12.50
100	QPSK	1	137	11.88	11.84	12.02	12.50
100	QPSK	1	271	11.36	11.51	11.50	12.50
100	QPSK	135	0	11.81	11.78	11.93	12.50
100	QPSK	135	69	11.88	11.88	12.05	12.50
100	QPSK	135	138	11.60	11.71	11.76	12.50
100	QPSK	270	0	11.71	11.75	11.86	12.50
100	16QAM	1	1	11.27	11.46	11.54	12.50
100	64QAM	1	1	11.35	11.43	11.47	12.50
100	256QAM	1	1	11.33	11.43	11.51	12.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	11.29	11.39	11.47	12.50
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	11.37	11.53	11.57	12.50
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	11.37	11.43	11.51	12.50
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	11.28	11.48	11.56	12.50
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	11.30	11.46	11.55	12.50
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	11.27	11.39	11.55	12.50
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	11.26	11.41	11.58	12.50
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	11.31	11.39	11.59	12.50

Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	11.33	11.52	11.49	12.50
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	11.35	11.42	11.47	12.50

【FR1 n77 (270) FCC_Part 270 (3700~3980MHz)_Main_Sensor ON】

BW [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	11.61	11.51	11.63	12.50
100	PI/2 BPSK	1	137	11.96	11.90	12.09	12.50
100	PI/2 BPSK	1	271	11.64	11.48	11.54	12.50
100	PI/2 BPSK	135	0	11.97	11.87	12.05	12.50
100	PI/2 BPSK	135	69	12.06	12.01	12.11	12.50
100	PI/2 BPSK	135	138	11.80	11.70	11.77	12.50
100	PI/2 BPSK	270	0	11.85	11.88	11.93	12.50
100	QPSK	1	1	11.46	11.44	11.55	12.50
100	QPSK	1	137	11.96	11.87	11.97	12.50
100	QPSK	1	271	11.54	11.45	11.48	12.50
100	QPSK	135	0	11.93	11.93	11.94	12.50
100	QPSK	135	69	12.02	11.94	12.01	12.50
100	QPSK	135	138	11.75	11.66	11.80	12.50
100	QPSK	270	0	11.91	11.89	11.85	12.50
100	16QAM	1	1	11.51	11.49	11.54	12.50
100	64QAM	1	1	11.54	11.44	11.52	12.50
100	256QAM	1	1	11.52	11.47	11.53	12.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	11.53	11.45	11.56	12.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	11.51	11.36	11.57	12.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	11.51	11.49	11.49	12.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	11.49	11.48	11.56	12.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	11.57	11.47	11.60	12.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	11.50	11.43	11.59	12.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	11.60	11.47	11.50	12.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	11.55	11.37	11.61	12.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	11.48	11.49	11.52	12.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	11.51	11.39	11.59	12.50

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_MIMO2_Sensor ON】

BW [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		13.52		14.00
100	PI/2 BPSK	1	137		13.72		14.00
100	PI/2 BPSK	1	271		13.45		14.00
100	PI/2 BPSK	135	0		13.79		14.00
100	PI/2 BPSK	135	69		13.91		14.00

100	PI/2 BPSK	135	138		13.76		14.00
100	PI/2 BPSK	270	0		13.75		14.00
100	QPSK	1	1		13.52		14.00
100	QPSK	1	137		13.69		14.00
100	QPSK	1	271		13.32		14.00
100	QPSK	135	0		13.79		14.00
100	QPSK	135	69		13.84		14.00
100	QPSK	135	138		13.61		14.00
100	QPSK	270	0		13.68		14.00
100	16QAM	1	1		13.40		14.00
100	64QAM	1	1		13.42		14.00
100	256QAM	1	1		13.49		14.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	13.50	13.50	13.49	14.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.40	13.46	13.35	14.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.46	13.48	13.45	14.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.45	13.41	13.38	14.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	13.42	13.48	13.43	14.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.40	13.47	13.47	14.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.43	13.41	13.34	14.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.46	13.38	13.37	14.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	13.39	13.43	13.39	14.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.38	13.35	13.38	14.00

【FR1 n77/n78 (96)_FCC_Part 96 (3550~3700MHz)_MIMO2_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	13.37	13.24	13.32	14.00
100	PI/2 BPSK	1	137	13.74	13.64	13.58	14.00
100	PI/2 BPSK	1	271	13.31	13.20	13.24	14.00
100	PI/2 BPSK	135	0	13.59	13.64	13.55	14.00
100	PI/2 BPSK	135	69	13.82	13.74	13.75	14.00
100	PI/2 BPSK	135	138	13.52	13.42	13.47	14.00
100	PI/2 BPSK	270	0	13.56	13.56	13.44	14.00
100	QPSK	1	1	13.30	13.19	13.18	14.00
100	QPSK	1	137	13.52	13.49	13.53	14.00
100	QPSK	1	271	13.20	13.08	13.13	14.00
100	QPSK	135	0	13.65	13.49	13.50	14.00
100	QPSK	135	69	13.67	13.57	13.70	14.00
100	QPSK	135	138	13.53	13.42	13.45	14.00
100	QPSK	270	0	13.51	13.55	13.41	14.00
100	16QAM	1	1	13.24	13.28	13.28	14.00
100	64QAM	1	1	13.26	13.21	13.20	14.00
100	256QAM	1	1	13.23	13.24	13.18	14.00
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	13.22	13.12	13.24	14.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	13.35	13.14	13.27	14.00
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	13.29	13.20	13.24	14.00

Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	13.28	13.15	13.27	14.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	13.32	13.22	13.30	14.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	13.24	13.10	13.17	14.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	13.30	13.17	13.19	14.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	13.28	13.10	13.25	14.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	13.31	13.21	13.24	14.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	13.27	13.22	13.22	14.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_MIMO2_Sensor ON】

BW [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	13.36	13.19	13.13	14.00
100	PI/2 BPSK	1	137	13.66	13.60	13.54	14.00
100	PI/2 BPSK	1	271	13.29	13.21	13.09	14.00
100	PI/2 BPSK	135	0	13.50	13.45	13.44	14.00
100	PI/2 BPSK	135	69	13.79	13.66	13.56	14.00
100	PI/2 BPSK	135	138	13.46	13.48	13.42	14.00
100	PI/2 BPSK	270	0	13.47	13.56	13.45	14.00
100	QPSK	1	1	13.20	13.22	13.16	14.00
100	QPSK	1	137	13.48	13.38	13.34	14.00
100	QPSK	1	271	13.14	13.19	13.11	14.00
100	QPSK	135	0	13.51	13.48	13.39	14.00
100	QPSK	135	69	13.69	13.54	13.54	14.00
100	QPSK	135	138	13.52	13.41	13.28	14.00
100	QPSK	270	0	13.50	13.47	13.41	14.00
100	16QAM	1	1	13.31	13.21	13.10	14.00
100	64QAM	1	1	13.20	13.17	13.07	14.00
100	256QAM	1	1	13.26	13.21	13.11	14.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	13.31	13.05	13.08	14.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	13.30	13.05	12.98	14.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	13.25	13.11	13.04	14.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	13.29	13.08	13.09	14.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	13.33	13.11	13.02	14.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	13.31	13.11	12.99	14.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	13.30	13.06	13.06	14.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	13.23	13.09	13.04	14.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	13.34	13.16	13.05	14.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	13.23	13.17	13.09	14.00

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz) MIMO3_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.28		15.00
100	PI/2 BPSK	1	137		14.62		15.00
100	PI/2 BPSK	1	271		14.25		15.00
100	PI/2 BPSK	135	0		14.55		15.00
100	PI/2 BPSK	135	69		14.85		15.00
100	PI/2 BPSK	135	138		14.57		15.00
100	PI/2 BPSK	270	0		14.58		15.00
100	QPSK	1	1		14.14		15.00
100	QPSK	1	137		14.55		15.00
100	QPSK	1	271		14.21		15.00
100	QPSK	135	0		14.53		15.00
100	QPSK	135	69		14.72		15.00
100	QPSK	135	138		14.53		15.00
100	QPSK	270	0		14.53		15.00
100	16QAM	1	1		14.26		15.00
100	64QAM	1	1		14.28		15.00
100	256QAM	1	1		14.20		15.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.25	14.27	14.28	15.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.19	14.18	14.17	15.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.19	14.20	14.18	15.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.23	14.19	14.22	15.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.17	14.24	14.26	15.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.23	14.20	14.20	15.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.20	14.16	14.13	15.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.16	14.26	14.21	15.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.16	14.23	14.16	15.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.19	14.25	14.24	15.00

【FR1 n77/n78 (96) FCC_Part 96 (3550~3700MHz) MIMO3_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	13.98	13.98	13.85	15.00
100	PI/2 BPSK	1	137	14.34	14.31	14.18	15.00
100	PI/2 BPSK	1	271	13.96	13.91	13.89	15.00
100	PI/2 BPSK	135	0	14.25	14.16	14.23	15.00
100	PI/2 BPSK	135	69	14.63	14.49	14.40	15.00
100	PI/2 BPSK	135	138	14.27	14.25	14.23	15.00
100	PI/2 BPSK	270	0	14.20	14.22	14.17	15.00
100	QPSK	1	1	13.78	13.84	13.71	15.00
100	QPSK	1	137	14.15	14.12	14.15	15.00
100	QPSK	1	271	13.91	13.90	13.90	15.00
100	QPSK	135	0	14.21	14.10	14.20	15.00



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100	QPSK	135	69	14.39	14.39	14.42	15.00
100	QPSK	135	138	14.20	14.17	14.15	15.00
100	QPSK	270	0	14.15	14.13	14.10	15.00
100	16QAM	1	1	13.91	13.83	13.93	15.00
100	64QAM	1	1	13.97	13.90	13.95	15.00
100	256QAM	1	1	13.82	13.76	13.91	15.00
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	13.89	13.93	13.84	15.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	13.89	13.97	13.80	15.00
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	13.88	13.97	13.71	15.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	13.93	13.84	13.78	15.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	13.85	13.92	13.79	15.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	13.97	13.92	13.71	15.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	13.91	13.86	13.74	15.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	13.92	13.84	13.70	15.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	13.95	13.94	13.83	15.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	13.89	13.94	13.77	15.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_MIMO3_Sensor ON】

BW [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	13.81	13.79	13.76	15.00
100	PI/2 BPSK	1	137	14.25	14.21	14.06	15.00
100	PI/2 BPSK	1	271	13.88	13.87	13.84	15.00
100	PI/2 BPSK	135	0	14.21	14.18	14.08	15.00
100	PI/2 BPSK	135	69	14.35	14.24	14.24	15.00
100	PI/2 BPSK	135	138	14.18	14.11	14.01	15.00
100	PI/2 BPSK	270	0	14.15	14.12	14.03	15.00
100	QPSK	1	1	13.71	13.80	13.78	15.00
100	QPSK	1	137	14.10	14.22	14.03	15.00
100	QPSK	1	271	13.89	13.85	13.72	15.00
100	QPSK	135	0	14.14	14.10	14.07	15.00
100	QPSK	135	69	14.40	14.33	14.34	15.00
100	QPSK	135	138	14.11	14.00	13.99	15.00
100	QPSK	270	0	14.14	14.13	14.03	15.00
100	16QAM	1	1	13.93	13.92	13.80	15.00
100	64QAM	1	1	13.95	13.78	13.80	15.00
100	256QAM	1	1	13.90	13.76	13.77	15.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	13.79	13.67	13.71	15.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	13.70	13.70	13.75	15.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	13.71	13.72	13.75	15.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	13.69	13.66	13.75	15.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	13.77	13.70	13.68	15.00



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Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	13.67	13.65	13.72	15.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	13.73	13.66	13.63	15.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	13.71	13.75	13.72	15.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	13.77	13.66	13.75	15.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	13.68	13.73	13.61	15.00

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_Aux_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.50		17.50
100	PI/2 BPSK	1	137		16.96		17.50
100	PI/2 BPSK	1	271		16.55		17.50
100	PI/2 BPSK	135	0		16.92		17.50
100	PI/2 BPSK	135	69		17.18		17.50
100	PI/2 BPSK	135	138		16.97		17.50
100	PI/2 BPSK	270	0		16.87		17.50
100	QPSK	1	1		16.38		17.50
100	QPSK	1	137		16.89		17.50
100	QPSK	1	271		16.56		17.50
100	QPSK	135	0		16.88		17.50
100	QPSK	135	69		17.17		17.50
100	QPSK	135	138		16.82		17.50
100	QPSK	270	0		16.82		17.50
100	16QAM	1	1		16.47		17.50
100	64QAM	1	1		16.43		17.50
100	256QAM	1	1		16.36		17.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.41	16.43	16.46	17.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.27	16.29	16.43	17.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.32	16.30	16.40	17.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.39	16.29	16.43	17.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.32	16.39	16.44	17.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.35	16.35	16.40	17.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.30	16.33	16.38	17.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.27	16.37	16.34	17.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.40	16.31	16.40	17.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.31	16.30	16.44	17.50

【FR1 n77/n78 (96) _FCC_Part 96 (3550~3700MHz)_Aux_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit
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				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.	(dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	16.27	16.21	16.14	17.50
100	PI/2 BPSK	1	137	16.72	16.67	16.64	17.50
100	PI/2 BPSK	1	271	16.36	16.31	16.22	17.50
100	PI/2 BPSK	135	0	16.74	16.70	16.67	17.50
100	PI/2 BPSK	135	69	16.92	16.86	16.83	17.50
100	PI/2 BPSK	135	138	16.78	16.81	16.75	17.50
100	PI/2 BPSK	270	0	16.77	16.59	16.67	17.50
100	QPSK	1	1	16.10	16.22	16.10	17.50
100	QPSK	1	137	16.68	16.65	16.72	17.50
100	QPSK	1	271	16.36	16.42	16.23	17.50
100	QPSK	135	0	16.61	16.64	16.65	17.50
100	QPSK	135	69	16.89	16.97	16.91	17.50
100	QPSK	135	138	16.61	16.64	16.63	17.50
100	QPSK	270	0	16.58	16.51	16.57	17.50
100	16QAM	1	1	16.17	16.17	16.19	17.50
100	64QAM	1	1	16.11	16.20	16.12	17.50
100	256QAM	1	1	16.21	16.17	16.06	17.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	16.23	16.13	16.11	17.50
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	16.14	16.10	16.03	17.50
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	16.20	16.18	16.06	17.50
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	16.19	16.15	16.01	17.50
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	16.25	16.16	16.07	17.50
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	16.23	16.19	16.07	17.50
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	16.15	16.10	16.05	17.50
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	16.25	16.16	16.12	17.50
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	16.17	16.16	16.07	17.50
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	16.26	16.16	16.12	17.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Aux_Sensor ON】

BW [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	16.12	16.12	16.06	17.50
100	PI/2 BPSK	1	137	16.75	16.66	16.57	17.50
100	PI/2 BPSK	1	271	16.24	16.14	16.21	17.50
100	PI/2 BPSK	135	0	16.72	16.57	16.68	17.50
100	PI/2 BPSK	135	69	16.85	16.81	16.72	17.50
100	PI/2 BPSK	135	138	16.69	16.60	16.66	17.50
100	PI/2 BPSK	270	0	16.61	16.52	16.54	17.50
100	QPSK	1	1	16.05	16.01	16.06	17.50
100	QPSK	1	137	16.68	16.45	16.53	17.50
100	QPSK	1	271	16.24	16.14	16.23	17.50
100	QPSK	135	0	16.59	16.54	16.42	17.50
100	QPSK	135	69	16.84	16.71	16.75	17.50
100	QPSK	135	138	16.60	16.50	16.57	17.50
100	QPSK	270	0	16.56	16.40	16.40	17.50
100	16QAM	1	1	16.24	16.14	16.07	17.50
100	64QAM	1	1	16.17	15.99	15.98	17.50
100	256QAM	1	1	16.06	16.00	16.06	17.50



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Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	16.06	16.08	15.99	17.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	16.10	16.00	15.98	17.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	15.98	16.08	16.02	17.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	16.06	16.02	16.00	17.50
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	15.99	17.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	16.08	16.09	16.02	17.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	16.03	16.03	15.95	17.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	16.03	16.01	16.02	17.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	16.05	16.06	16.03	17.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	15.99	16.05	16.00	17.50

【FR1 n77 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Main_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.32		12.50
100	PI/2 BPSK	1	137		11.88		12.50
100	PI/2 BPSK	1	271		11.35		12.50
100	PI/2 BPSK	135	0		11.89		12.50
100	PI/2 BPSK	135	69		11.92		12.50
100	PI/2 BPSK	135	138		11.62		12.50
100	PI/2 BPSK	270	0		11.80		12.50
100	QPSK	1	1		11.34		12.50
100	QPSK	1	137		11.88		12.50
100	QPSK	1	271		11.30		12.50
100	QPSK	135	0		11.79		12.50
100	QPSK	135	69		11.82		12.50
100	QPSK	135	138		11.62		12.50
100	QPSK	270	0		11.73		12.50
100	16QAM	1	1		11.39		12.50
100	64QAM	1	1		11.33		12.50
100	256QAM	1	1		11.40		12.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	11.31	11.30	11.35	12.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	11.27	11.18	11.32	12.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	11.29	11.15	11.23	12.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	11.28	11.27	11.29	12.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	11.23	11.27	11.21	12.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	11.24	11.22	11.34	12.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	11.26	11.17	11.33	12.50

Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	11.27	11.16	11.23	12.50
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	11.24	11.19	11.23	12.50
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	11.30	11.28	11.30	12.50

【FR1 n77/n78 (96)_FCC_Part 96 (3550~3700MHz)_HPUE_Main_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	11.40	11.54	11.61	12.50
100	PI/2 BPSK	1	137	11.77	11.96	11.99	12.50
100	PI/2 BPSK	1	271	11.42	11.58	11.63	12.50
100	PI/2 BPSK	135	0	11.82	11.95	11.98	12.50
100	PI/2 BPSK	135	69	11.84	12.11	12.19	12.50
100	PI/2 BPSK	135	138	11.64	11.69	11.79	12.50
100	PI/2 BPSK	270	0	11.69	11.89	11.94	12.50
100	QPSK	1	1	11.33	11.43	11.50	12.50
100	QPSK	1	137	11.88	11.84	12.02	12.50
100	QPSK	1	271	11.36	11.51	11.50	12.50
100	QPSK	135	0	11.81	11.78	11.93	12.50
100	QPSK	135	69	11.88	11.88	12.05	12.50
100	QPSK	135	138	11.60	11.71	11.76	12.50
100	QPSK	270	0	11.71	11.75	11.86	12.50
100	16QAM	1	1	11.27	11.46	11.54	12.50
100	64QAM	1	1	11.35	11.43	11.47	12.50
100	256QAM	1	1	11.33	11.43	11.51	12.50
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	11.29	11.39	11.47	12.50
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	11.37	11.53	11.57	12.50
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	11.37	11.43	11.51	12.50
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	11.28	11.48	11.56	12.50
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	11.30	11.46	11.55	12.50
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	11.27	11.39	11.55	12.50
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	11.26	11.41	11.58	12.50
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	11.31	11.39	11.59	12.50
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	11.33	11.52	11.49	12.50
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	11.35	11.42	11.47	12.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_HPUE_Main_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	11.61	11.51	11.63	12.50
100	PI/2 BPSK	1	137	11.96	11.90	12.09	12.50



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100	PI/2 BPSK	1	271	11.64	11.48	11.54	12.50
100	PI/2 BPSK	135	0	11.97	11.87	12.05	12.50
100	PI/2 BPSK	135	69	12.06	12.01	12.11	12.50
100	PI/2 BPSK	135	138	11.80	11.70	11.77	12.50
100	PI/2 BPSK	270	0	11.85	11.88	11.93	12.50
100	QPSK	1	1	11.46	11.44	11.55	12.50
100	QPSK	1	137	11.96	11.87	11.97	12.50
100	QPSK	1	271	11.54	11.45	11.48	12.50
100	QPSK	135	0	11.93	11.93	11.94	12.50
100	QPSK	135	69	12.02	11.94	12.01	12.50
100	QPSK	135	138	11.75	11.66	11.80	12.50
100	QPSK	270	0	11.91	11.89	11.85	12.50
100	16QAM	1	1	11.51	11.49	11.54	12.50
100	64QAM	1	1	11.54	11.44	11.52	12.50
100	256QAM	1	1	11.52	11.47	11.53	12.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	11.53	11.45	11.56	12.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	11.51	11.36	11.57	12.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	11.51	11.49	11.49	12.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	11.49	11.48	11.56	12.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	11.57	11.47	11.60	12.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	11.50	11.43	11.59	12.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	11.60	11.47	11.50	12.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	11.55	11.37	11.61	12.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	11.48	11.49	11.52	12.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	11.51	11.39	11.59	12.50

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_HPUE_MIMO2 Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.52		14.00
100	PI/2 BPSK	1	137		13.72		14.00
100	PI/2 BPSK	1	271		13.45		14.00
100	PI/2 BPSK	135	0		13.79		14.00
100	PI/2 BPSK	135	69		13.91		14.00
100	PI/2 BPSK	135	138		13.76		14.00
100	PI/2 BPSK	270	0		13.75		14.00
100	QPSK	1	1		13.52		14.00
100	QPSK	1	137		13.69		14.00
100	QPSK	1	271		13.32		14.00
100	QPSK	135	0		13.79		14.00
100	QPSK	135	69		13.84		14.00
100	QPSK	135	138		13.61		14.00
100	QPSK	270	0		13.68		14.00
100	16QAM	1	1		13.40		14.00
100	64QAM	1	1		13.42		14.00
100	256QAM	1	1		13.49		14.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	13.50	13.50	13.49	14.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.40	13.46	13.35	14.00



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Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.46	13.48	13.45	14.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.45	13.41	13.38	14.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	13.42	13.48	13.43	14.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.40	13.47	13.47	14.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.43	13.41	13.34	14.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.46	13.38	13.37	14.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	13.39	13.43	13.39	14.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.38	13.35	13.38	14.00

【FR1 n77/n78 (96)_FCC_Part 96 (3550~3700MHz)_HPUE_MIMO2_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	13.37	13.24	13.32	14.00
100	PI/2 BPSK	1	137	13.74	13.64	13.58	14.00
100	PI/2 BPSK	1	271	13.31	13.20	13.24	14.00
100	PI/2 BPSK	135	0	13.59	13.64	13.55	14.00
100	PI/2 BPSK	135	69	13.82	13.74	13.75	14.00
100	PI/2 BPSK	135	138	13.52	13.42	13.47	14.00
100	PI/2 BPSK	270	0	13.56	13.56	13.44	14.00
100	QPSK	1	1	13.30	13.19	13.18	14.00
100	QPSK	1	137	13.52	13.49	13.53	14.00
100	QPSK	1	271	13.20	13.08	13.13	14.00
100	QPSK	135	0	13.65	13.49	13.50	14.00
100	QPSK	135	69	13.67	13.57	13.70	14.00
100	QPSK	135	138	13.53	13.42	13.45	14.00
100	QPSK	270	0	13.51	13.55	13.41	14.00
100	16QAM	1	1	13.24	13.28	13.28	14.00
100	64QAM	1	1	13.26	13.21	13.20	14.00
100	256QAM	1	1	13.23	13.24	13.18	14.00
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	13.22	13.12	13.24	14.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	13.35	13.14	13.27	14.00
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	13.29	13.20	13.24	14.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	13.28	13.15	13.27	14.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	13.32	13.22	13.30	14.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	13.24	13.10	13.17	14.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	13.30	13.17	13.19	14.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	13.28	13.10	13.25	14.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	13.31	13.21	13.24	14.00



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Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	13.27	13.22	13.22	14.00

【FR1 n77 (270) _ FCC_Part 270 (3700~3980MHz)_HPUE_MIMO2_Sensor ON】

BW [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	13.36	13.19	13.13	14.00
100	PI/2 BPSK	1	137	13.66	13.60	13.54	14.00
100	PI/2 BPSK	1	271	13.29	13.21	13.09	14.00
100	PI/2 BPSK	135	0	13.50	13.45	13.44	14.00
100	PI/2 BPSK	135	69	13.79	13.66	13.56	14.00
100	PI/2 BPSK	135	138	13.46	13.48	13.42	14.00
100	PI/2 BPSK	270	0	13.47	13.56	13.45	14.00
100	QPSK	1	1	13.20	13.22	13.16	14.00
100	QPSK	1	137	13.48	13.38	13.34	14.00
100	QPSK	1	271	13.14	13.19	13.11	14.00
100	QPSK	135	0	13.51	13.48	13.39	14.00
100	QPSK	135	69	13.69	13.54	13.54	14.00
100	QPSK	135	138	13.52	13.41	13.28	14.00
100	QPSK	270	0	13.50	13.47	13.41	14.00
100	16QAM	1	1	13.31	13.21	13.10	14.00
100	64QAM	1	1	13.20	13.17	13.07	14.00
100	256QAM	1	1	13.26	13.21	13.11	14.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.31	13.05	13.08	14.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	13.30	13.05	12.98	14.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	13.25	13.11	13.04	14.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.29	13.08	13.09	14.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.33	13.11	13.02	14.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.31	13.11	12.99	14.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	13.30	13.06	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	13.23	13.09	13.04	14.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.34	13.16	13.05	14.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.23	13.17	13.09	14.00

【FR1 n77 (27Q) _ FCC_Part 27Q (3450~3550MHz)_HPUE_MIMO3_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.28		15.00
100	PI/2 BPSK	1	137		14.62		15.00
100	PI/2 BPSK	1	271		14.25		15.00
100	PI/2 BPSK	135	0		14.55		15.00
100	PI/2 BPSK	135	69		14.85		15.00
100	PI/2 BPSK	135	138		14.57		15.00
100	PI/2 BPSK	270	0		14.58		15.00
100	QPSK	1	1		14.14		15.00



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100	QPSK	1	137		14.55		15.00
100	QPSK	1	271		14.21		15.00
100	QPSK	135	0		14.53		15.00
100	QPSK	135	69		14.72		15.00
100	QPSK	135	138		14.53		15.00
100	QPSK	270	0		14.53		15.00
100	16QAM	1	1		14.26		15.00
100	64QAM	1	1		14.28		15.00
100	256QAM	1	1		14.20		15.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.25	14.27	14.28	15.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.19	14.18	14.17	15.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.19	14.20	14.18	15.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.23	14.19	14.22	15.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.17	14.24	14.26	15.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.23	14.20	14.20	15.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.20	14.16	14.13	15.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.16	14.26	14.21	15.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.16	14.23	14.16	15.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.19	14.25	14.24	15.00

【FR1 n77/n78 (96)_FCC_Part 96 (3550~3700MHz)_HPUE_MIMO3_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	13.98	13.98	13.85	15.00
100	PI/2 BPSK	1	137	14.34	14.31	14.18	15.00
100	PI/2 BPSK	1	271	13.96	13.91	13.89	15.00
100	PI/2 BPSK	135	0	14.25	14.16	14.23	15.00
100	PI/2 BPSK	135	69	14.63	14.49	14.40	15.00
100	PI/2 BPSK	135	138	14.27	14.25	14.23	15.00
100	PI/2 BPSK	270	0	14.20	14.22	14.17	15.00
100	QPSK	1	1	13.78	13.84	13.71	15.00
100	QPSK	1	137	14.15	14.12	14.15	15.00
100	QPSK	1	271	13.91	13.90	13.90	15.00
100	QPSK	135	0	14.21	14.10	14.20	15.00
100	QPSK	135	69	14.39	14.39	14.42	15.00
100	QPSK	135	138	14.20	14.17	14.15	15.00
100	QPSK	270	0	14.15	14.13	14.10	15.00
100	16QAM	1	1	13.91	13.83	13.93	15.00
100	64QAM	1	1	13.97	13.90	13.95	15.00
100	256QAM	1	1	13.82	13.76	13.91	15.00
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	13.89	13.93	13.84	15.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	13.89	13.97	13.80	15.00
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	13.88	13.97	13.71	15.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	13.93	13.84	13.78	15.00

Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	13.85	13.92	13.79	15.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	13.97	13.92	13.71	15.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	13.91	13.86	13.74	15.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	13.92	13.84	13.70	15.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	13.95	13.94	13.83	15.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	13.89	13.94	13.77	15.00

【FR1 n77 (270) _FCC_Part 270 (3700~3980MHz)_HPUE_MIMO3_Sensor ON】

BW [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	13.81	13.79	13.76	15.00
100	PI/2 BPSK	1	137	14.25	14.21	14.06	15.00
100	PI/2 BPSK	1	271	13.88	13.87	13.84	15.00
100	PI/2 BPSK	135	0	14.21	14.18	14.08	15.00
100	PI/2 BPSK	135	69	14.35	14.24	14.24	15.00
100	PI/2 BPSK	135	138	14.18	14.11	14.01	15.00
100	PI/2 BPSK	270	0	14.15	14.12	14.03	15.00
100	QPSK	1	1	13.71	13.80	13.78	15.00
100	QPSK	1	137	14.10	14.22	14.03	15.00
100	QPSK	1	271	13.89	13.85	13.72	15.00
100	QPSK	135	0	14.14	14.10	14.07	15.00
100	QPSK	135	69	14.40	14.33	14.34	15.00
100	QPSK	135	138	14.11	14.00	13.99	15.00
100	QPSK	270	0	14.14	14.13	14.03	15.00
100	16QAM	1	1	13.93	13.92	13.80	15.00
100	64QAM	1	1	13.95	13.78	13.80	15.00
100	256QAM	1	1	13.90	13.76	13.77	15.00
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	13.79	13.67	13.71	15.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	13.70	13.70	13.75	15.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	13.71	13.72	13.75	15.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	13.69	13.66	13.75	15.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	13.77	13.70	13.68	15.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	13.67	13.65	13.72	15.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	13.73	13.66	13.63	15.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	13.71	13.75	13.72	15.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	13.77	13.66	13.75	15.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	13.68	13.73	13.61	15.00

【FR1 n77 (27Q) FCC_Part 27Q (3450~3550MHz)_HPUE_Aux_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.50		17.50
100	PI/2 BPSK	1	137		16.96		17.50
100	PI/2 BPSK	1	271		16.55		17.50
100	PI/2 BPSK	135	0		16.92		17.50
100	PI/2 BPSK	135	69		17.18		17.50
100	PI/2 BPSK	135	138		16.97		17.50
100	PI/2 BPSK	270	0		16.87		17.50
100	QPSK	1	1		16.38		17.50
100	QPSK	1	137		16.89		17.50
100	QPSK	1	271		16.56		17.50
100	QPSK	135	0		16.88		17.50
100	QPSK	135	69		17.17		17.50
100	QPSK	135	138		16.82		17.50
100	QPSK	270	0		16.82		17.50
100	16QAM	1	1		16.47		17.50
100	64QAM	1	1		16.43		17.50
100	256QAM	1	1		16.36		17.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.41	16.43	16.46	17.50
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.27	16.29	16.43	17.50
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.32	16.30	16.40	17.50
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.39	16.29	16.43	17.50
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.32	16.39	16.44	17.50
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.35	16.35	16.40	17.50
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.30	16.33	16.38	17.50
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.27	16.37	16.34	17.50
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.40	16.31	16.40	17.50
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.31	16.30	16.44	17.50

【FR1 n77/n78 (96) FCC_Part 96 (3550~3700MHz)_HPUE_Aux_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	16.27	16.21	16.14	17.50
100	PI/2 BPSK	1	137	16.72	16.67	16.64	17.50
100	PI/2 BPSK	1	271	16.36	16.31	16.22	17.50
100	PI/2 BPSK	135	0	16.74	16.70	16.67	17.50
100	PI/2 BPSK	135	69	16.92	16.86	16.83	17.50
100	PI/2 BPSK	135	138	16.78	16.81	16.75	17.50
100	PI/2 BPSK	270	0	16.77	16.59	16.67	17.50
100	QPSK	1	1	16.10	16.22	16.10	17.50
100	QPSK	1	137	16.68	16.65	16.72	17.50
100	QPSK	1	271	16.36	16.42	16.23	17.50
100	QPSK	135	0	16.61	16.64	16.65	17.50
100	QPSK	135	69	16.89	16.97	16.91	17.50
100	QPSK	135	138	16.61	16.64	16.63	17.50
100	QPSK	270	0	16.58	16.51	16.57	17.50



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100	16QAM	1	1	16.17	16.17	16.19	17.50
100	64QAM	1	1	16.11	16.20	16.12	17.50
100	256QAM	1	1	16.21	16.17	16.06	17.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	16.23	16.13	16.11	17.50
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	16.14	16.10	16.03	17.50
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	(dBm)
70	PI/2 BPSK	1	1	16.20	16.18	16.06	17.50
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	16.19	16.15	16.01	17.50
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	16.25	16.16	16.07	17.50
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	16.23	16.19	16.07	17.50
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	16.15	16.10	16.05	17.50
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	16.25	16.16	16.12	17.50
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	16.17	16.16	16.07	17.50
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	16.26	16.16	16.12	17.50

【FR1 n77 (270) FCC_Part 270 (3700~3980MHz) HPUE_Aux_Sensor ON】

BW [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	16.12	16.12	16.06	17.50
100	PI/2 BPSK	1	137	16.75	16.66	16.57	17.50
100	PI/2 BPSK	1	271	16.24	16.14	16.21	17.50
100	PI/2 BPSK	135	0	16.72	16.57	16.68	17.50
100	PI/2 BPSK	135	69	16.85	16.81	16.72	17.50
100	PI/2 BPSK	135	138	16.69	16.60	16.66	17.50
100	PI/2 BPSK	270	0	16.61	16.52	16.54	17.50
100	QPSK	1	1	16.05	16.01	16.06	17.50
100	QPSK	1	137	16.68	16.45	16.53	17.50
100	QPSK	1	271	16.24	16.14	16.23	17.50
100	QPSK	135	0	16.59	16.54	16.42	17.50
100	QPSK	135	69	16.84	16.71	16.75	17.50
100	QPSK	135	138	16.60	16.50	16.57	17.50
100	QPSK	270	0	16.56	16.40	16.40	17.50
100	16QAM	1	1	16.24	16.14	16.07	17.50
100	64QAM	1	1	16.17	15.99	15.98	17.50
100	256QAM	1	1	16.06	16.00	16.06	17.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	16.06	16.08	15.99	17.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	16.10	16.00	15.98	17.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	15.98	16.08	16.02	17.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	16.06	16.02	16.00	17.50
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	15.99	17.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	16.08	16.09	16.02	17.50

Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	16.03	16.03	15.95	17.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	16.03	16.01	16.02	17.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	16.05	16.06	16.03	17.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	15.99	16.05	16.00	17.50

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Main_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.48		25.00
100	PI/2 BPSK	1	137		24.23		25.00
100	PI/2 BPSK	1	271		23.27		25.00
100	PI/2 BPSK	135	0		24.13		25.00
100	PI/2 BPSK	135	69		24.30		25.00
100	PI/2 BPSK	135	138		24.01		25.00
100	PI/2 BPSK	270	0		23.94		25.00
100	QPSK	1	1		23.52		25.00
100	QPSK	1	137		23.95		25.00
100	QPSK	1	271		23.55		25.00
100	QPSK	135	0		24.14		25.00
100	QPSK	135	69		24.26		25.00
100	QPSK	135	138		24.16		25.00
100	QPSK	270	0		24.25		25.00
100	16QAM	1	1		23.96		25.00
100	64QAM	1	1		22.54		24.50
100	256QAM	1	1		21.14		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.42	23.39	23.46	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.37	23.33	23.41	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.31	23.38	23.43	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.30	23.27	23.36	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.34	23.35	23.40	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.33	23.25	23.33	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.31	23.25	23.41	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.31	23.29	23.36	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.30	23.25	23.34	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.34	23.30	23.33	25.00

【FR1 n78 (27O) _FCC_Part 27O (3700~3800MHz)_Main_Sensor OFF】

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

Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.86		25.00
100	PI/2 BPSK	1	137		24.43		25.00
100	PI/2 BPSK	1	271		23.64		25.00
100	PI/2 BPSK	135	0		24.42		25.00
100	PI/2 BPSK	135	69		24.55		25.00
100	PI/2 BPSK	135	138		24.23		25.00
100	PI/2 BPSK	270	0		24.38		25.00
100	QPSK	1	1		23.90		25.00
100	QPSK	1	137		24.37		25.00
100	QPSK	1	271		23.65		25.00
100	QPSK	135	0		24.52		25.00
100	QPSK	135	69		24.55		25.00
100	QPSK	135	138		24.46		25.00
100	QPSK	270	0		24.41		25.00
100	16QAM	1	1		24.20		25.00
100	64QAM	1	1		22.80		24.50
100	256QAM	1	1		21.39		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.77	23.81	23.83	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.65	23.67	23.79	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.75	23.76	23.79	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.68	23.68	23.81	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.64	23.73	23.69	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.66	23.74	23.70	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.76	23.77	23.79	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.74	23.70	23.70	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.71	23.78	23.70	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.74	23.72	23.70	25.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_MIMO2_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.58		25.00
100	PI/2 BPSK	1	137		24.21		25.00
100	PI/2 BPSK	1	271		23.59		25.00
100	PI/2 BPSK	135	0		24.20		25.00
100	PI/2 BPSK	135	69		24.27		25.00
100	PI/2 BPSK	135	138		24.01		25.00
100	PI/2 BPSK	270	0		23.96		25.00
100	QPSK	1	1		23.57		25.00
100	QPSK	1	137		24.03		25.00
100	QPSK	1	271		23.62		25.00
100	QPSK	135	0		24.06		25.00
100	QPSK	135	69		24.24		25.00
100	QPSK	135	138		23.91		25.00
100	QPSK	270	0		24.02		25.00
100	16QAM	1	1		23.67		25.00
100	64QAM	1	1		22.54		24.50
100	256QAM	1	1		21.32		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.52	23.56	23.51	25.00



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Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.46	23.43	23.50	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.48	23.52	23.37	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.48	23.49	23.39	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.41	23.44	23.39	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.48	23.43	23.43	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.46	23.48	23.47	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.37	23.42	23.36	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.38	23.51	23.38	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.41	23.46	23.40	25.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_MIMO2_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.12		25.00
100	PI/2 BPSK	1	137		24.00		25.00
100	PI/2 BPSK	1	271		23.52		25.00
100	PI/2 BPSK	135	0		24.12		25.00
100	PI/2 BPSK	135	69		24.23		25.00
100	PI/2 BPSK	135	138		23.91		25.00
100	PI/2 BPSK	270	0		23.80		25.00
100	QPSK	1	1		23.43		25.00
100	QPSK	1	137		23.95		25.00
100	QPSK	1	271		23.43		25.00
100	QPSK	135	0		24.02		25.00
100	QPSK	135	69		24.27		25.00
100	QPSK	135	138		23.93		25.00
100	QPSK	270	0		23.81		25.00
100	16QAM	1	1		23.46		25.00
100	64QAM	1	1		22.57		24.50
100	256QAM	1	1		21.13		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.10	23.11	23.08	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.05	23.02	23.04	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.02	23.02	23.01	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.02	23.00	23.00	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.00	23.03	23.04	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.01	23.06	23.00	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.07	23.02	23.05	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.02	23.01	23.06	25.00

Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.03	23.10	23.00	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.02	23.06	23.03	25.00

【FR1 n78 (27Q) FCC_Part 27Q (3450~3550MHz)_MIMO3_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.88		25.00
100	PI/2 BPSK	1	137		24.58		25.00
100	PI/2 BPSK	1	271		24.14		25.00
100	PI/2 BPSK	135	0		24.67		25.00
100	PI/2 BPSK	135	69		24.68		25.00
100	PI/2 BPSK	135	138		24.63		25.00
100	PI/2 BPSK	270	0		24.63		25.00
100	QPSK	1	1		23.95		25.00
100	QPSK	1	137		24.41		25.00
100	QPSK	1	271		24.11		25.00
100	QPSK	135	0		24.49		25.00
100	QPSK	135	69		24.63		25.00
100	QPSK	135	138		24.52		25.00
100	QPSK	270	0		24.55		25.00
100	16QAM	1	1		23.63		25.00
100	64QAM	1	1		23.05		24.50
100	256QAM	1	1		21.81		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.69	23.77	23.80	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.64	23.74	23.68	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.65	23.64	23.77	25.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.56	23.72	23.74	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.60	23.68	23.75	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.61	23.65	23.72	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.62	23.64	23.79	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.56	23.66	23.67	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.68	23.71	23.65	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.61	23.67	23.77	25.00

【FR1 n78 (27Q) FCC_Part 27Q (3700~3800MHz)_MIMO3_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.79		25.00
100	PI/2 BPSK	1	137		24.22		25.00
100	PI/2 BPSK	1	271		24.14		25.00
100	PI/2 BPSK	135	0		24.56		25.00
100	PI/2 BPSK	135	69		24.58		25.00

100	PI/2 BPSK	135	138		24.45		25.00
100	PI/2 BPSK	270	0		24.39		25.00
100	QPSK	1	1		23.86		25.00
100	QPSK	1	137		24.34		25.00
100	QPSK	1	271		24.02		25.00
100	QPSK	135	0		24.33		25.00
100	QPSK	135	69		24.56		25.00
100	QPSK	135	138		24.42		25.00
100	QPSK	270	0		24.34		25.00
100	16QAM	1	1		23.53		25.00
100	64QAM	1	1		23.03		24.50
100	256QAM	1	1		21.63		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.72	23.75	23.76	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.68	23.60	23.66	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.69	23.63	23.64	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.66	23.64	23.63	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.66	23.71	23.74	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.71	23.68	23.61	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.68	23.71	23.74	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.69	23.62	23.69	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.70	23.67	23.62	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.68	23.68	23.74	25.00

【FR1 n78 (27Q) FCC_Part 27Q (3450~3550MHz)_Aux_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.57		25.00
100	PI/2 BPSK	1	137		24.51		25.00
100	PI/2 BPSK	1	271		23.62		25.00
100	PI/2 BPSK	135	0		24.47		25.00
100	PI/2 BPSK	135	69		24.50		25.00
100	PI/2 BPSK	135	138		24.49		25.00
100	PI/2 BPSK	270	0		24.60		25.00
100	QPSK	1	1		23.53		25.00
100	QPSK	1	137		24.44		25.00
100	QPSK	1	271		23.64		25.00
100	QPSK	135	0		24.42		25.00
100	QPSK	135	69		24.54		25.00
100	QPSK	135	138		24.42		25.00
100	QPSK	270	0		24.46		25.00
100	16QAM	1	1		23.58		25.00
100	64QAM	1	1		22.83		24.50
100	256QAM	1	1		21.70		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.45	23.49	23.41	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.31	23.37	23.31	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.36	23.37	23.30	25.00

Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.40	23.45	23.36	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.40	23.46	23.38	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.40	23.38	23.33	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.43	23.36	23.35	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.38	23.36	23.30	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.42	23.35	23.30	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.37	23.41	23.40	25.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Aux_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.27		25.00
100	PI/2 BPSK	1	137		24.01		25.00
100	PI/2 BPSK	1	271		23.35		25.00
100	PI/2 BPSK	135	0		24.12		25.00
100	PI/2 BPSK	135	69		24.22		25.00
100	PI/2 BPSK	135	138		24.02		25.00
100	PI/2 BPSK	270	0		24.07		25.00
100	QPSK	1	1		23.05		25.00
100	QPSK	1	137		23.98		25.00
100	QPSK	1	271		23.32		25.00
100	QPSK	135	0		23.92		25.00
100	QPSK	135	69		24.10		25.00
100	QPSK	135	138		23.98		25.00
100	QPSK	270	0		24.00		25.00
100	16QAM	1	1		23.17		25.00
100	64QAM	1	1		22.50		24.50
100	256QAM	1	1		21.32		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.27	23.30	23.23	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.18	23.19	23.12	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.20	23.23	23.10	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.14	23.16	23.09	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.16	23.19	23.20	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.25	23.22	23.11	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.16	23.21	23.13	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.13	23.18	23.14	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.17	23.18	23.21	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.19	23.29	23.12	25.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Main_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.10		27.00
100	PI/2 BPSK	1	137		25.51		27.00
100	PI/2 BPSK	1	271		25.05		27.00
100	PI/2 BPSK	135	0		25.19		26.50
100	PI/2 BPSK	135	69		25.96		27.00
100	PI/2 BPSK	135	138		25.07		26.50
100	PI/2 BPSK	270	0		25.14		26.50
100	QPSK	1	1		25.07		27.00
100	QPSK	1	137		25.33		27.00
100	QPSK	1	271		25.11		27.00
100	QPSK	135	0		24.88		26.50
100	QPSK	135	69		25.81		27.00
100	QPSK	135	138		24.60		26.50
100	QPSK	270	0		24.62		26.50
100	16QAM	1	1		24.06		25.50
100	64QAM	1	1		22.56		24.50
100	256QAM	1	1		21.22		22.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.07	25.10	25.06	27.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.01	25.04	25.00	27.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.02	25.00	25.03	27.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.03	25.04	25.04	27.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.06	25.01	25.00	27.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.02	25.01	25.01	27.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.02	25.03	25.01	27.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.00	25.09	25.04	27.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.00	25.01	25.02	27.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.01	25.00	25.03	27.00

【FR1 n78 (27Q) _FCC_Part 27Q (3700~3800MHz)_HPUE_Main_Sensor OFF】

BW [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		25.20		27.00
100	PI/2 BPSK	1	137		25.61		27.00
100	PI/2 BPSK	1	271		25.16		27.00
100	PI/2 BPSK	135	0		25.38		26.50
100	PI/2 BPSK	135	69		26.21		27.00
100	PI/2 BPSK	135	138		25.55		26.50
100	PI/2 BPSK	270	0		25.41		26.50
100	QPSK	1	1		25.12		27.00
100	QPSK	1	137		25.66		27.00
100	QPSK	1	271		25.05		27.00
100	QPSK	135	0		24.96		26.50



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100	QPSK	135	69		26.14		27.00
100	QPSK	135	138		24.86		26.50
100	QPSK	270	0		24.87		26.50
100	16QAM	1	1		24.15		25.50
100	64QAM	1	1		22.83		24.50
100	256QAM	1	1		21.40		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.13	25.17	25.16	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.10	25.07	25.13	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.03	25.11	25.07	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.00	25.12	25.15	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.11	25.14	25.09	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.02	25.04	25.14	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.01	25.02	25.06	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.02	25.10	25.14	27.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.00	25.04	25.09	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.01	25.13	25.01	27.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_HPUE_MIMO2_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.43		27.00
100	PI/2 BPSK	1	137		26.11		27.00
100	PI/2 BPSK	1	271		25.36		27.00
100	PI/2 BPSK	135	0		25.57		26.50
100	PI/2 BPSK	135	69		26.26		27.00
100	PI/2 BPSK	135	138		25.46		26.50
100	PI/2 BPSK	270	0		25.56		26.50
100	QPSK	1	1		25.32		27.00
100	QPSK	1	137		25.63		27.00
100	QPSK	1	271		25.27		27.00
100	QPSK	135	0		25.22		26.50
100	QPSK	135	69		26.26		27.00
100	QPSK	135	138		25.21		26.50
100	QPSK	270	0		25.19		26.50
100	16QAM	1	1		23.84		25.50
100	64QAM	1	1		22.61		24.50
100	256QAM	1	1		21.25		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.40	25.42	25.37	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.32	25.36	25.22	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.35	25.34	25.29	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.35	25.38	25.28	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.30	25.33	25.23	27.00

Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.38	25.30	25.35	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.38	25.37	25.34	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.28	25.38	25.33	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.36	25.37	25.33	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.36	25.28	25.32	27.00

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_HPUE_MIMO2_Sensor OFF】

BW [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		25.33		27.00
100	PI/2 BPSK	1	137		25.93		27.00
100	PI/2 BPSK	1	271		25.08		27.00
100	PI/2 BPSK	135	0		25.38		26.50
100	PI/2 BPSK	135	69		26.11		27.00
100	PI/2 BPSK	135	138		25.19		26.50
100	PI/2 BPSK	270	0		25.33		26.50
100	QPSK	1	1		25.21		27.00
100	QPSK	1	137		25.58		27.00
100	QPSK	1	271		25.02		27.00
100	QPSK	135	0		25.12		26.50
100	QPSK	135	69		25.95		27.00
100	QPSK	135	138		24.96		26.50
100	QPSK	270	0		25.12		26.50
100	16QAM	1	1		23.59		25.50
100	64QAM	1	1		22.52		24.50
100	256QAM	1	1		21.10		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.26	25.28	25.25	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.24	25.22	25.18	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.24	25.24	25.22	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.16	25.20	25.15	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.20	25.14	25.13	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.15	25.21	25.20	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.21	25.19	25.15	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.12	25.26	25.15	27.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.14	25.16	25.14	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.23	25.21	25.22	27.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_MIMO3_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit
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				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.	(dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.19		27.00
100	PI/2 BPSK	1	137		25.85		27.00
100	PI/2 BPSK	1	271		25.34		27.00
100	PI/2 BPSK	135	0		25.85		26.50
100	PI/2 BPSK	135	69		26.42		27.00
100	PI/2 BPSK	135	138		25.80		26.50
100	PI/2 BPSK	270	0		25.82		26.50
100	QPSK	1	1		25.08		27.00
100	QPSK	1	137		25.50		27.00
100	QPSK	1	271		25.30		27.00
100	QPSK	135	0		25.40		26.50
100	QPSK	135	69		26.29		27.00
100	QPSK	135	138		25.44		26.50
100	QPSK	270	0		25.43		26.50
100	16QAM	1	1		24.14		25.50
100	64QAM	1	1		23.06		24.50
100	256QAM	1	1		21.80		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.15	25.16	25.18	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.13	25.08	25.07	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.07	25.13	25.09	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.01	25.14	25.08	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.03	25.13	25.08	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.09	25.06	25.12	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.02	25.05	25.15	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.07	25.09	25.04	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.12	25.07	25.06	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.13	25.13	25.16	27.00

【FR1 n78 (270) _ FCC_Part 270 (3700~3800MHz)_HPUE_MIMO3_Sensor OFF】

BW [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		25.06		27.00
100	PI/2 BPSK	1	137		25.66		27.00
100	PI/2 BPSK	1	271		25.28		27.00
100	PI/2 BPSK	135	0		25.55		26.50
100	PI/2 BPSK	135	69		25.73		27.00
100	PI/2 BPSK	135	138		25.61		26.50
100	PI/2 BPSK	270	0		25.67		26.50
100	QPSK	1	1		25.03		27.00
100	QPSK	1	137		25.45		27.00
100	QPSK	1	271		25.21		27.00
100	QPSK	135	0		25.18		26.50
100	QPSK	135	69		25.60		27.00
100	QPSK	135	138		25.24		26.50
100	QPSK	270	0		25.23		26.50
100	16QAM	1	1		24.00		25.50
100	64QAM	1	1		23.02		24.50
100	256QAM	1	1		21.72		22.50

Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.08	25.07	25.05	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.00	25.05	25.03	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.01	25.01	25.01	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.00	25.02	25.01	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.01	25.02	25.02	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.05	25.01	25.00	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.00	25.00	25.00	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.00	25.02	25.00	27.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.05	25.00	25.01	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.02	25.01	25.02	27.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Aux_Sensor OFF】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.63		27.00
100	PI/2 BPSK	1	137		26.28		27.00
100	PI/2 BPSK	1	271		25.47		27.00
100	PI/2 BPSK	135	0		25.65		26.50
100	PI/2 BPSK	135	69		26.42		27.00
100	PI/2 BPSK	135	138		25.60		26.50
100	PI/2 BPSK	270	0		25.69		26.50
100	QPSK	1	1		25.48		27.00
100	QPSK	1	137		25.93		27.00
100	QPSK	1	271		25.49		27.00
100	QPSK	135	0		25.41		26.50
100	QPSK	135	69		26.51		27.00
100	QPSK	135	138		25.34		26.50
100	QPSK	270	0		25.50		26.50
100	16QAM	1	1		23.98		25.50
100	64QAM	1	1		22.78		24.50
100	256QAM	1	1		21.55		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	25.63	25.60	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.55	25.57	25.46	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.45	25.52	25.56	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.43	25.57	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	25.54	25.57	25.58	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.52	25.53	25.56	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.52	25.53	25.57	27.00

Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.47	25.60	25.52	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	25.57	25.47	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.55	25.54	25.57	27.00

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_HPUE_Aux_Sensor OFF】

BW [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		25.61		27.00
100	PI/2 BPSK	1	137		26.03		27.00
100	PI/2 BPSK	1	271		25.30		27.00
100	PI/2 BPSK	135	0		25.58		26.50
100	PI/2 BPSK	135	69		26.22		27.00
100	PI/2 BPSK	135	138		25.48		26.50
100	PI/2 BPSK	270	0		25.57		26.50
100	QPSK	1	1		25.37		27.00
100	QPSK	1	137		25.67		27.00
100	QPSK	1	271		25.22		27.00
100	QPSK	135	0		25.20		26.50
100	QPSK	135	69		26.20		27.00
100	QPSK	135	138		25.20		26.50
100	QPSK	270	0		25.11		26.50
100	16QAM	1	1		23.77		25.50
100	64QAM	1	1		22.71		24.50
100	256QAM	1	1		21.34		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.54	25.59	25.57	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.39	25.50	25.50	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.40	25.48	25.44	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.46	25.50	25.51	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.47	25.48	25.50	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.43	25.55	25.54	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.40	25.54	25.56	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.40	25.46	25.47	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	25.47	25.45	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.43	25.44	25.50	27.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Main_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.24		12.50
100	PI/2 BPSK	1	137		11.78		12.50

100	PI/2 BPSK	1	271		11.27		12.50
100	PI/2 BPSK	135	0		11.86		12.50
100	PI/2 BPSK	135	69		11.80		12.50
100	PI/2 BPSK	135	138		11.60		12.50
100	PI/2 BPSK	270	0		11.72		12.50
100	QPSK	1	1		11.24		12.50
100	QPSK	1	137		11.80		12.50
100	QPSK	1	271		11.18		12.50
100	QPSK	135	0		11.68		12.50
100	QPSK	135	69		11.72		12.50
100	QPSK	135	138		11.55		12.50
100	QPSK	270	0		11.66		12.50
100	16QAM	1	1		11.33		12.50
100	64QAM	1	1		11.22		12.50
100	256QAM	1	1		11.31		12.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	11.22	11.24	11.26	12.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	11.12	11.15	11.19	12.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	11.18	11.12	11.14	12.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	11.16	11.18	11.13	12.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	11.14	11.22	11.15	12.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	11.13	11.16	11.20	12.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	11.19	11.23	11.19	12.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	11.12	11.22	11.20	12.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	11.09	11.19	11.19	12.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	11.09	11.09	11.22	12.50

【FR1 n78 (270) FCC_Part 270 (3700~3800MHz)_Main_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		11.49		12.50
100	PI/2 BPSK	1	137		11.92		12.50
100	PI/2 BPSK	1	271		11.54		12.50
100	PI/2 BPSK	135	0		11.89		12.50
100	PI/2 BPSK	135	69		11.99		12.50
100	PI/2 BPSK	135	138		11.70		12.50
100	PI/2 BPSK	270	0		11.74		12.50
100	QPSK	1	1		11.36		12.50
100	QPSK	1	137		11.93		12.50
100	QPSK	1	271		11.44		12.50
100	QPSK	135	0		11.81		12.50
100	QPSK	135	69		11.97		12.50
100	QPSK	135	138		11.71		12.50
100	QPSK	270	0		11.83		12.50
100	16QAM	1	1		11.45		12.50
100	64QAM	1	1		11.42		12.50
100	256QAM	1	1		11.48		12.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	11.43	11.50	11.51	12.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	11.39	11.36	11.48	12.50



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Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	11.35	11.46	11.42	12.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	11.37	11.37	11.49	12.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	11.31	11.42	11.50	12.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	11.37	11.36	11.41	12.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	11.41	11.46	11.46	12.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	11.31	11.41	11.49	12.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	11.34	11.38	11.41	12.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	11.30	11.48	11.46	12.50

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_MIMO2_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.50		14.00
100	PI/2 BPSK	1	137		13.67		14.00
100	PI/2 BPSK	1	271		13.39		14.00
100	PI/2 BPSK	135	0		13.67		14.00
100	PI/2 BPSK	135	69		13.79		14.00
100	PI/2 BPSK	135	138		13.69		14.00
100	PI/2 BPSK	270	0		13.69		14.00
100	QPSK	1	1		13.42		14.00
100	QPSK	1	137		13.65		14.00
100	QPSK	1	271		13.23		14.00
100	QPSK	135	0		13.76		14.00
100	QPSK	135	69		13.74		14.00
100	QPSK	135	138		13.56		14.00
100	QPSK	270	0		13.66		14.00
100	16QAM	1	1		13.31		14.00
100	64QAM	1	1		13.32		14.00
100	256QAM	1	1		13.42		14.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	13.47	13.48	13.46	14.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.33	13.45	13.42	14.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.32	13.46	13.40	14.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.34	13.37	13.42	14.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	13.34	13.43	13.35	14.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.45	13.44	13.31	14.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.44	13.41	13.42	14.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.34	13.46	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	13.34	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	13.38	13.37	13.35	14.00

【FR1 n78 (27O) _FCC_Part 27O (3700~3800MHz)_MIMO2_Sensor ON】

BW [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		13.31		14.00
100	PI/2 BPSK	1	137		13.55		14.00
100	PI/2 BPSK	1	271		13.18		14.00
100	PI/2 BPSK	135	0		13.40		14.00
100	PI/2 BPSK	135	69		13.68		14.00
100	PI/2 BPSK	135	138		13.38		14.00
100	PI/2 BPSK	270	0		13.35		14.00
100	QPSK	1	1		13.08		14.00
100	QPSK	1	137		13.39		14.00
100	QPSK	1	271		13.05		14.00
100	QPSK	135	0		13.41		14.00
100	QPSK	135	69		13.62		14.00
100	QPSK	135	138		13.48		14.00
100	QPSK	270	0		13.48		14.00
100	16QAM	1	1		13.29		14.00
100	64QAM	1	1		13.11		14.00
100	256QAM	1	1		13.20		14.00
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	13.27	13.29	13.25	14.00
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	13.23	13.21	13.23	14.00
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	13.22	13.15	13.14	14.00
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	13.25	13.20	13.24	14.00
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	13.25	13.25	13.21	14.00
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	13.19	13.24	13.20	14.00
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	13.20	13.26	13.14	14.00
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	13.15	13.21	13.17	14.00
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	13.20	13.22	13.16	14.00
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	13.13	13.19	13.16	14.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_MIMO3_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.18		15.00
100	PI/2 BPSK	1	137		14.56		15.00
100	PI/2 BPSK	1	271		14.23		15.00
100	PI/2 BPSK	135	0		14.53		15.00
100	PI/2 BPSK	135	69		14.75		15.00
100	PI/2 BPSK	135	138		14.45		15.00
100	PI/2 BPSK	270	0		14.50		15.00
100	QPSK	1	1		14.04		15.00

100	QPSK	1	137		14.43		15.00
100	QPSK	1	271		14.09		15.00
100	QPSK	135	0		14.43		15.00
100	QPSK	135	69		14.64		15.00
100	QPSK	135	138		14.48		15.00
100	QPSK	270	0		14.47		15.00
100	16QAM	1	1		14.20		15.00
100	64QAM	1	1		14.22		15.00
100	256QAM	1	1		14.09		15.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.12	14.15	14.14	15.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.02	14.03	14.08	15.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.05	14.05	14.00	15.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.08	14.04	14.02	15.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.04	14.05	14.06	15.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.99	14.09	14.04	15.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.04	14.09	14.05	15.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.02	14.02	14.05	15.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.03	14.08	14.06	15.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.98	14.00	14.04	15.00

【FR1 n78 (270) FCC_Part 270 (3700~3800MHz)_MIMO3_Sensor ON】

BW [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		13.77		15.00
100	PI/2 BPSK	1	137		14.15		15.00
100	PI/2 BPSK	1	271		13.86		15.00
100	PI/2 BPSK	135	0		14.11		15.00
100	PI/2 BPSK	135	69		14.31		15.00
100	PI/2 BPSK	135	138		14.16		15.00
100	PI/2 BPSK	270	0		14.13		15.00
100	QPSK	1	1		13.69		15.00
100	QPSK	1	137		14.01		15.00
100	QPSK	1	271		13.82		15.00
100	QPSK	135	0		14.09		15.00
100	QPSK	135	69		14.36		15.00
100	QPSK	135	138		14.05		15.00
100	QPSK	270	0		14.08		15.00
100	16QAM	1	1		13.84		15.00
100	64QAM	1	1		13.87		15.00
100	256QAM	1	1		13.86		15.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	13.72	13.75	13.76	15.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	13.70	13.67	13.67	15.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	13.68	13.73	13.68	15.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	13.61	13.69	13.64	15.00

Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	13.61	13.69	13.71	15.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	13.68	13.68	13.73	15.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	13.68	13.72	13.65	15.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	13.60	13.71	13.68	15.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	13.58	13.62	13.64	15.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	13.68	13.64	13.74	15.00

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Aux_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.47		17.50
100	PI/2 BPSK	1	137		16.92		17.50
100	PI/2 BPSK	1	271		16.45		17.50
100	PI/2 BPSK	135	0		16.82		17.50
100	PI/2 BPSK	135	69		17.10		17.50
100	PI/2 BPSK	135	138		16.87		17.50
100	PI/2 BPSK	270	0		16.82		17.50
100	QPSK	1	1		16.27		17.50
100	QPSK	1	137		16.80		17.50
100	QPSK	1	271		16.44		17.50
100	QPSK	135	0		16.82		17.50
100	QPSK	135	69		17.14		17.50
100	QPSK	135	138		16.73		17.50
100	QPSK	270	0		16.75		17.50
100	16QAM	1	1		16.39		17.50
100	64QAM	1	1		16.35		17.50
100	256QAM	1	1		16.33		17.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.35	16.39	16.41	17.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.31	16.31	16.31	17.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.28	16.30	16.36	17.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.31	16.37	16.39	17.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.31	16.36	16.32	17.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.33	16.26	16.32	17.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.28	16.25	16.36	17.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.21	16.29	16.37	17.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.20	16.28	16.33	17.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.23	16.26	16.28	17.50

【FR1 n78 (270) _FCC_Part 270 (3700~3800MHz)_Aux_Sensor ON】

BW [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		16.09		17.50
100	PI/2 BPSK	1	137		16.65		17.50
100	PI/2 BPSK	1	271		16.19		17.50
100	PI/2 BPSK	135	0		16.64		17.50
100	PI/2 BPSK	135	69		16.82		17.50
100	PI/2 BPSK	135	138		16.65		17.50
100	PI/2 BPSK	270	0		16.50		17.50
100	QPSK	1	1		16.00		17.50
100	QPSK	1	137		16.66		17.50
100	QPSK	1	271		16.19		17.50
100	QPSK	135	0		16.53		17.50
100	QPSK	135	69		16.77		17.50
100	QPSK	135	138		16.51		17.50
100	QPSK	270	0		16.51		17.50
100	16QAM	1	1		16.16		17.50
100	64QAM	1	1		16.09		17.50
100	256QAM	1	1		16.00		17.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	16.07	16.01	16.02	17.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.94	15.87	15.98	17.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.92	15.93	15.94	17.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.94	15.91	15.88	17.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.92	15.88	16.00	17.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	16.01	15.93	16.00	17.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.01	15.95	16.01	17.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.94	15.86	15.90	17.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.96	15.91	16.00	17.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	16.04	15.89	15.93	17.50

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_Main_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.24		12.50
100	PI/2 BPSK	1	137		11.78		12.50
100	PI/2 BPSK	1	271		11.27		12.50
100	PI/2 BPSK	135	0		11.86		12.50
100	PI/2 BPSK	135	69		11.80		12.50
100	PI/2 BPSK	135	138		11.60		12.50
100	PI/2 BPSK	270	0		11.72		12.50
100	QPSK	1	1		11.24		12.50
100	QPSK	1	137		11.80		12.50
100	QPSK	1	271		11.18		12.50
100	QPSK	135	0		11.68		12.50
100	QPSK	135	69		11.72		12.50
100	QPSK	135	138		11.55		12.50
100	QPSK	270	0		11.66		12.50



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100	16QAM	1	1		11.33		12.50
100	64QAM	1	1		11.22		12.50
100	256QAM	1	1		11.31		12.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	11.22	11.24	11.26	12.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	11.12	11.15	11.19	12.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	11.18	11.12	11.14	12.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	11.16	11.18	11.13	12.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	11.14	11.22	11.15	12.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	11.13	11.16	11.20	12.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	11.19	11.23	11.19	12.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	11.12	11.22	11.20	12.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	11.09	11.19	11.19	12.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	11.09	11.09	11.22	12.50

【FR1 n78 (270) FCC_Part 270 (3700~3800MHz) HPUE_Main_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		11.49		12.50
100	PI/2 BPSK	1	137		11.92		12.50
100	PI/2 BPSK	1	271		11.54		12.50
100	PI/2 BPSK	135	0		11.89		12.50
100	PI/2 BPSK	135	69		11.99		12.50
100	PI/2 BPSK	135	138		11.70		12.50
100	PI/2 BPSK	270	0		11.74		12.50
100	QPSK	1	1		11.36		12.50
100	QPSK	1	137		11.93		12.50
100	QPSK	1	271		11.44		12.50
100	QPSK	135	0		11.81		12.50
100	QPSK	135	69		11.97		12.50
100	QPSK	135	138		11.71		12.50
100	QPSK	270	0		11.83		12.50
100	16QAM	1	1		11.45		12.50
100	64QAM	1	1		11.42		12.50
100	256QAM	1	1		11.48		12.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	11.43	11.50	11.51	12.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	11.39	11.36	11.48	12.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	11.35	11.46	11.42	12.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	11.37	11.37	11.49	12.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	11.31	11.42	11.50	12.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	11.37	11.36	11.41	12.50

Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	11.41	11.46	11.46	12.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	11.31	11.41	11.49	12.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	11.34	11.38	11.41	12.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	11.30	11.48	11.46	12.50

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_HPUE_MIMO2_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.50		14.00
100	PI/2 BPSK	1	137		13.67		14.00
100	PI/2 BPSK	1	271		13.39		14.00
100	PI/2 BPSK	135	0		13.67		14.00
100	PI/2 BPSK	135	69		13.79		14.00
100	PI/2 BPSK	135	138		13.69		14.00
100	PI/2 BPSK	270	0		13.69		14.00
100	QPSK	1	1		13.42		14.00
100	QPSK	1	137		13.65		14.00
100	QPSK	1	271		13.23		14.00
100	QPSK	135	0		13.76		14.00
100	QPSK	135	69		13.74		14.00
100	QPSK	135	138		13.56		14.00
100	QPSK	270	0		13.66		14.00
100	16QAM	1	1		13.31		14.00
100	64QAM	1	1		13.32		14.00
100	256QAM	1	1		13.42		14.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	13.47	13.48	13.46	14.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.33	13.45	13.42	14.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.32	13.46	13.40	14.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.34	13.37	13.42	14.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	13.34	13.43	13.35	14.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.45	13.44	13.31	14.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.44	13.41	13.42	14.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.34	13.46	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	13.34	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	13.38	13.37	13.35	14.00

【FR1 n78 (27O) _FCC_Part 27O (3700~3800MHz)_HPUE_MIMO2_Sensor ON】

BW [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		13.31		14.00
100	PI/2 BPSK	1	137		13.55		14.00
100	PI/2 BPSK	1	271		13.18		14.00
100	PI/2 BPSK	135	0		13.40		14.00
100	PI/2 BPSK	135	69		13.68		14.00
100	PI/2 BPSK	135	138		13.38		14.00
100	PI/2 BPSK	270	0		13.35		14.00
100	QPSK	1	1		13.08		14.00
100	QPSK	1	137		13.39		14.00
100	QPSK	1	271		13.05		14.00
100	QPSK	135	0		13.41		14.00
100	QPSK	135	69		13.62		14.00
100	QPSK	135	138		13.48		14.00
100	QPSK	270	0		13.48		14.00
100	16QAM	1	1		13.29		14.00
100	64QAM	1	1		13.11		14.00
100	256QAM	1	1		13.20		14.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	13.27	13.29	13.25	14.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	13.23	13.21	13.23	14.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	13.22	13.15	13.14	14.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	13.25	13.20	13.24	14.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	13.25	13.25	13.21	14.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	13.19	13.24	13.20	14.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	13.20	13.26	13.14	14.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	13.15	13.21	13.17	14.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	13.20	13.22	13.16	14.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	13.13	13.19	13.16	14.00

【FR1 n78 (27Q)_ FCC_Part 27Q (3450~3550MHz)_ HPUE_MIMO3_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.18		15.00
100	PI/2 BPSK	1	137		14.56		15.00
100	PI/2 BPSK	1	271		14.23		15.00
100	PI/2 BPSK	135	0		14.53		15.00
100	PI/2 BPSK	135	69		14.75		15.00
100	PI/2 BPSK	135	138		14.45		15.00
100	PI/2 BPSK	270	0		14.50		15.00
100	QPSK	1	1		14.04		15.00
100	QPSK	1	137		14.43		15.00
100	QPSK	1	271		14.09		15.00
100	QPSK	135	0		14.43		15.00
100	QPSK	135	69		14.64		15.00
100	QPSK	135	138		14.48		15.00
100	QPSK	270	0		14.47		15.00
100	16QAM	1	1		14.20		15.00
100	64QAM	1	1		14.22		15.00
100	256QAM	1	1		14.09		15.00
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.12	14.15	14.14	15.00

Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.02	14.03	14.08	15.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.05	14.05	14.00	15.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.08	14.04	14.02	15.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.04	14.05	14.06	15.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.99	14.09	14.04	15.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.04	14.09	14.05	15.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.02	14.02	14.05	15.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.03	14.08	14.06	15.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.98	14.00	14.04	15.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_HPUE_MIMO3_Sensor ON】

BW [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		13.77		15.00
100	PI/2 BPSK	1	137		14.15		15.00
100	PI/2 BPSK	1	271		13.86		15.00
100	PI/2 BPSK	135	0		14.11		15.00
100	PI/2 BPSK	135	69		14.31		15.00
100	PI/2 BPSK	135	138		14.16		15.00
100	PI/2 BPSK	270	0		14.13		15.00
100	QPSK	1	1		13.69		15.00
100	QPSK	1	137		14.01		15.00
100	QPSK	1	271		13.82		15.00
100	QPSK	135	0		14.09		15.00
100	QPSK	135	69		14.36		15.00
100	QPSK	135	138		14.05		15.00
100	QPSK	270	0		14.08		15.00
100	16QAM	1	1		13.84		15.00
100	64QAM	1	1		13.87		15.00
100	256QAM	1	1		13.86		15.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	13.72	13.75	13.76	15.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	13.70	13.67	13.67	15.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	13.68	13.73	13.68	15.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	13.61	13.69	13.64	15.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	13.61	13.69	13.71	15.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	13.68	13.68	13.73	15.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	13.68	13.72	13.65	15.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	13.60	13.71	13.68	15.00

Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	13.58	13.62	13.64	15.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	13.68	13.64	13.74	15.00

【FR1 n78 (27Q) FCC_Part 27Q (3450~3550MHz)_HPUE_Aux_Sensor ON】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.47		17.50
100	PI/2 BPSK	1	137		16.92		17.50
100	PI/2 BPSK	1	271		16.45		17.50
100	PI/2 BPSK	135	0		16.82		17.50
100	PI/2 BPSK	135	69		17.10		17.50
100	PI/2 BPSK	135	138		16.87		17.50
100	PI/2 BPSK	270	0		16.82		17.50
100	QPSK	1	1		16.27		17.50
100	QPSK	1	137		16.80		17.50
100	QPSK	1	271		16.44		17.50
100	QPSK	135	0		16.82		17.50
100	QPSK	135	69		17.14		17.50
100	QPSK	135	138		16.73		17.50
100	QPSK	270	0		16.75		17.50
100	16QAM	1	1		16.39		17.50
100	64QAM	1	1		16.35		17.50
100	256QAM	1	1		16.33		17.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.35	16.39	16.41	17.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.31	16.31	16.31	17.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.28	16.30	16.36	17.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.31	16.37	16.39	17.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.31	16.36	16.32	17.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.33	16.26	16.32	17.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.28	16.25	16.36	17.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.21	16.29	16.37	17.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.20	16.28	16.33	17.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.23	16.26	16.28	17.50

【FR1 n78 (27Q) FCC_Part 27Q (3700~3800MHz)_HPUE_Aux_Sensor ON】

BW [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		16.09		17.50
100	PI/2 BPSK	1	137		16.65		17.50
100	PI/2 BPSK	1	271		16.19		17.50
100	PI/2 BPSK	135	0		16.64		17.50
100	PI/2 BPSK	135	69		16.82		17.50



FCC SAR TEST REPORT

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100	PI/2 BPSK	135	138		16.65		17.50
100	PI/2 BPSK	270	0		16.50		17.50
100	QPSK	1	1		16.00		17.50
100	QPSK	1	137		16.66		17.50
100	QPSK	1	271		16.19		17.50
100	QPSK	135	0		16.53		17.50
100	QPSK	135	69		16.77		17.50
100	QPSK	135	138		16.51		17.50
100	QPSK	270	0		16.51		17.50
100	16QAM	1	1		16.16		17.50
100	64QAM	1	1		16.09		17.50
100	256QAM	1	1		16.00		17.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	16.07	16.01	16.02	17.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.94	15.87	15.98	17.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.92	15.93	15.94	17.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.94	15.91	15.88	17.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.92	15.88	16.00	17.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	16.01	15.93	16.00	17.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.01	15.95	16.01	17.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.94	15.86	15.90	17.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.96	15.91	16.00	17.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	16.04	15.89	15.93	17.50

16. Antenna Location

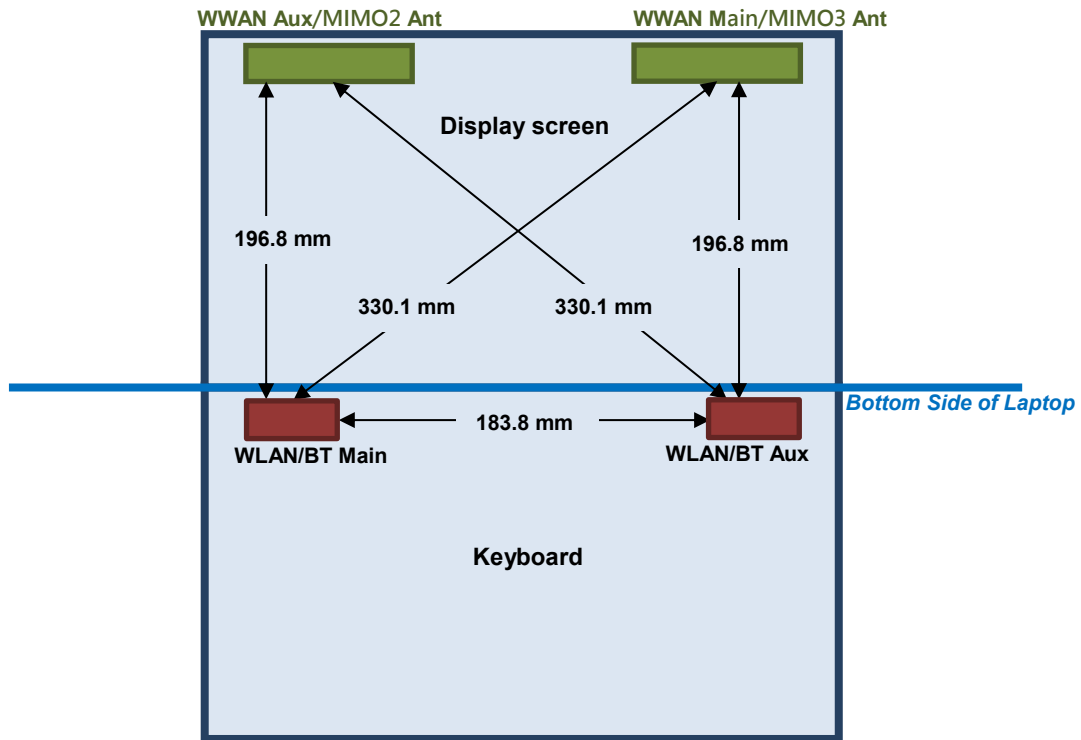
Tablet Mode



The separation distance for antenna to edge :

Antenna	To Top (mm)	To Right (mm)	To Left (mm)	To Bottom (mm)
WWAN Main/MIMO3	5	5.2	182.8	205.7
WWAN Aux/ MIMO2	5	182.8	5.2	205.7

Laptop Mode



The separation distance for antenna to edge :

Antenna	To Bottom Side (mm)
WWAN Main/MIMO3	208.6
WWAN Aux/ MIMO2	208.6

< SAR test exclusion table >

General Note:

- The below table, when the distance is < 50 mm exclusion threshold is "Ratio", when the distance is > 50 mm exclusion threshold is "mW"
- Maximum power is the source-based time-average power and represents the maximum RF output power among production units
- Per KDB 447498 D01v06, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
- Per KDB 447498 D01v06, standalone SAR test exclusion threshold is applied; If the test separation distance is < 5mm, 5mm is used to determine SAR exclusion threshold.
- Per KDB 447498 D01v06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$
 - f(GHz) is the RF channel transmit frequency in GHz
 - Power and distance are rounded to the nearest mW and mm before calculation
 - The result is rounded to one decimal place for comparison
- Per KDB 447498 D01v06, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
 - [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · (f(MHz)/150)] mW, at 100 MHz to 1500 MHz
 - [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at > 1500 MHz and ≤ 6 GHz

[Laptop Mode _ Main / MIMO 2 / MIMO3 / Aux Ant]

Exposure Position		Wireless Interface		Main Release 14.0 WCDMA R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R111, R112, R113, R114, R115, R116, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152, R153, R154, R155, R156, R157, R158, R159, R160, R161, R162, R163, R164, R165, R166, R167, R168, R169, R170, R171, R172, R173, R174, R175, R176, 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[Tablet Mode _ Main Ant]

Exposure Position	Wireless Interface	WCDMA II	WCDMA IV	WCDMA V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 13	LTE Band 14	LTE Band 17	LTE Band 25	LTE Band 26	LTE Band 30	LTE Band 66	LTE Band 71	LTE Band 38	LTE Band 41	LTE Band 48	FR1 n2	FR1 n5	FR1 n7	FR1 n25	FR1 n30	FR1 n66	FR1 n71	FR1 n38	FR1 n41	FR1 n48	FR1 n77	FR1 n78	
	Calculated Frequency (MHz)	1907	1752	846	1909	1754	848	2567	715	784	795	713	1914	848	2312	1779	695	2617	2687	3697	1907	846	2567	1912	2312	1777	695	2617	2685	3697	3975	3795	
	Maximum Power (dBm)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.0	25.0	25.0	25.0	27.0	22.0	25.0	25.0	25.0	25.0	23.0	25.0	25.0	25.0	27.5	22.0	27.0	27.0	
	Maximum Rated Power (mW)	316.23	316.23	316.23	316.23	316.23	316.23	316.23	316.23	316.23	316.23	316.23	316.23	316.23	316.23	199.53	316.23	316.23	316.23	501.19	158.49	316.23	316.23	316.23	316.23	199.53	316.23	316.23	316.23	562.34	158.49	501.19	501.19
Back	Separation Distance (mm)	16.20																															
	exclusion threshold	27.0	25.8	17.9	27.0	25.9	18.0	31.3	16.5	17.3	17.4	16.5	27.0	18.0	18.7	26.0	16.3	31.6	50.7	18.8	27.0	17.9	31.3	27.0	18.7	26.0	16.3	31.6	56.9	18.8	61.7	60.3	
	Testing Required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Top	Separation Distance (mm)	5.00																															
	exclusion threshold	87.3	83.7	58.2	87.4	83.8	58.2	101.3	53.5	56.0	56.4	53.4	87.5	58.2	60.7	84.4	52.7	102.3	164.3	61.0	87.3	58.2	101.3	87.5	60.7	84.3	52.7	102.3	184.3	61.0	199.8	195.3	
	Testing Required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Right	Separation Distance (mm)	5.20																															
	exclusion threshold	84.0	80.5	55.9	84.0	80.5	56.0	97.4	51.4	53.9	54.2	51.4	84.1	56.0	58.3	81.1	50.7	98.4	158.0	58.6	84.0	55.9	97.4	84.1	58.3	81.1	50.7	98.4	177.2	58.6	192.2	187.8	
	Testing Required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bottom	Separation Distance (mm)	205.70																															
	exclusion threshold	1666.0	1670.0	1041.0	1666.0	1670.0	1043.0	1651.0	920.0	983.0	993.0	918.0	1665.0	1043.0	1656.0	1669.0	901.0	1650.0	1649.0	1635.0	1666.0	1041.0	1651.0	1665.0	1656.0	1670.0	901.0	1650.0	1649.0	1635.0	1632.0	1634.0	
	Testing Required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Left	Separation Distance (mm)	182.80																															
	exclusion threshold	1437.0	1441.0	912.0	1437.0	1441.0	914.0	1422.0	810.0	864.0	872.0	809.0	1436.0	914.0	1427.0	1440.0	795.0	1421.0	1420.0	1406.0	1437.0	912.0	1422.0	1436.0	1427.0	1441.0	795.0	1421.0	1420.0	1406.0	1403.0	1405.0	
	Testing Required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

【 Tablet Mode _ MIMO2 Ant】

Exposure Position	Wireless Interface	LTE Band 2	LTE Band 4	LTE Band 7	LTE Band 25	LTE Band 30	LTE Band 66	LTE Band 38	LTE Band 41	LTE Band 48	FR1 n2	FR1 n7	FR1 n25	FR1 n30	FR1 n66	FR1 n38	FR1 n41	FR1 n48	FR1 n77	FR1 n78
	Calculated Frequency (MHz)	1909	1754	2567	1914	2312	1779	2617	2687	3697	1907	2567	1912	2312	1777	2617	2685	3697	3975	3795
	Maximum Power (dBm)	25.0	25.0	25.0	25.0	23.0	25.0	25.0	27.0	22.0	25.0	25.0	25.0	23.0	25.0	25.0	27.5	22.0	27.0	27.0
	Maximum Rated Power (mW)	316.23	316.23	316.23	316.23	199.53	316.23	316.23	501.19	158.49	316.23	316.23	316.23	199.53	316.23	316.23	562.34	158.49	501.19	501.19
Back	Separation Distance (mm)	16.20																		
	exclusion threshold	27.0	25.9	31.3	27.0	18.7	26.0	31.6	50.7	18.8	27.0	31.3	27.0	18.7	26.0	31.6	56.9	18.8	61.7	60.3
	Testing Required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Top	Separation Distance (mm)	5.00																		
	exclusion threshold	87.4	83.8	101.3	87.5	60.7	84.4	102.3	164.3	61.0	87.3	101.3	87.5	60.7	84.3	102.3	184.3	61.0	199.8	195.3
	Testing Required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Right	Separation Distance (mm)	182.80																		
	exclusion threshold	1437.0	1441.0	1422.0	1436.0	1427.0	1440.0	1421.0	1420.0	1406.0	1437.0	1422.0	1436.0	1427.0	1441.0	1421.0	1420.0	1406.0	1403.0	1405.0
	Testing Required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Bottom	Separation Distance (mm)	205.70																		
	exclusion threshold	1666.0	1670.0	1651.0	1665.0	1656.0	1669.0	1650.0	1649.0	1635.0	1666.0	1651.0	1665.0	1656.0	1670.0	1650.0	1649.0	1635.0	1632.0	1634.0
	Testing Required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Left	Separation Distance (mm)	5.20																		
	exclusion threshold	84.0	80.5	97.4	84.1	58.3	81.1	98.4	158.0	58.6	84.0	97.4	84.1	58.3	81.1	98.4	177.2	58.6	192.2	187.8
	Testing Required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

【 Tablet Mode _ MIMO3 Ant】

Exposure Position	Wireless Interface	FR1 n41	FR1 n77	FR1 n78
	Calculated Frequency (MHz)	2685	3975	3795
	Maximum Power (dBm)	27.5	27.0	27.0
	Maximum Rated Power (mW)	562.34	501.19	501.19
Back	Separation Distance (mm)	16.20		
	exclusion threshold	56.9	61.7	60.3
	Testing Required?	Yes	Yes	Yes
Top	Separation Distance (mm)	5.00		
	exclusion threshold	184.3	199.8	195.3
	Testing Required?	Yes	Yes	Yes
Right	Separation Distance (mm)	5.20		
	exclusion threshold	177.2	192.2	187.8
	Testing Required?	Yes	Yes	Yes
Bottom	Separation Distance (mm)	205.70		
	exclusion threshold	1649.0	1632.0	1634.0
	Testing Required?	No	No	No
Left	Separation Distance (mm)	182.80		
	exclusion threshold	1420.0	1403.0	1405.0
	Testing Required?	No	No	No

【 Tablet Mode _ Aux Ant】

Exposure Position	Wireless Interface	FR1 n41	FR1 n77	FR1 n78
	Calculated Frequency (MHz)	2685	3975	3795
	Maximum Power (dBm)	27.5	27.0	27.0
	Maximum Rated Power (mW)	562.34	501.19	501.19
Back	Separation Distance (mm)	16.20		
	exclusion threshold	56.9	61.7	60.3
	Testing Required?	Yes	Yes	Yes
Top	Separation Distance (mm)	5.00		
	exclusion threshold	184.3	199.8	195.3
	Testing Required?	Yes	Yes	Yes
Right	Separation Distance (mm)	182.80		
	exclusion threshold	1420.0	1403.0	1405.0
	Testing Required?	No	No	No
Bottom	Separation Distance (mm)	205.70		
	exclusion threshold	1649.0	1632.0	1634.0
	Testing Required?	No	No	No
Left	Separation Distance (mm)	5.20		
	exclusion threshold	177.2	192.2	187.8
	Testing Required?	Yes	Yes	Yes

17. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - d. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.

UMTS Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA) are less than $\frac{1}{4}$ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA.

LTE Note:

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4/B5/B12/B17/B26/B38/B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. LTE band 2/4/5/17/38 SAR test was covered by Band 25/66/26/12/41; according to TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. The maximum output power, including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test exclusion.
 - b. The channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.

5G NR Note:

1. Referencing the procedure in KDB 941225, the test procedures are outlined as below:
 - a. To start SAR test for the largest channel bandwidth for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. Also do SAR test for 50% RB allocation for PI/2 BPSK SAR testing using 1RB PI/2 BPSK allocation procedure
 - b. For PI/2 BPSK with 100% RB allocation, SAR test is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
 - c. For higher modulation QPSK/16QAM/64QAM/256QAM, according to tune-up document the power level is not $\frac{1}{2}$ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
 - d. Smaller bandwidth output power for each RB allocation configuration for this device is not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
 - e. For 5G FR1 n5/n12/n41/n71/n77, the maximum channel bandwidth does not support three non-overlapping channels in the frequency band, the middle channel of the group of overlapping channels were selected for testing.
 - f. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission.
 - g. For NR FDD was establishing connections via a base station simulator to use for output power measurement and SAR testing.

**17.1 Body SAR**

【WCDMA SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II	RMC 12.2Kbps	Top	20mm	Main	Sensor OFF	9538	1907.6	Speed	23.55	25.00	1.396	0.02	0.170	0.237
	WCDMA II	RMC 12.2Kbps	Back	0mm	Main	Sensor OFF	9538	1907.6	Speed	23.55	25.00	1.396	-0.02	0.092	0.128
	WCDMA II	RMC 12.2Kbps	Right	0mm	Main	Sensor OFF	9538	1907.6	Speed	23.55	25.00	1.396	0.18	0.102	0.142
	WCDMA II	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	9538	1907.6	Speed	20.23	21.00	1.194	-0.17	0.820	0.979
01	WCDMA II	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	9262	1852.4	Speed	19.97	21.00	1.268	0.09	0.881	1.117
	WCDMA II	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	9400	1880	Speed	19.86	21.00	1.3	0.07	0.792	1.030
	WCDMA II	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	9262	1852.4	WNC	19.97	21.00	1.268	0.08	0.615	0.780
	WCDMA IV	RMC 12.2Kbps	Top	20mm	Main	Sensor OFF	1312	1712.4	Speed	23.45	25.00	1.429	0.03	0.152	0.217
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Main	Sensor OFF	1312	1712.4	Speed	23.45	25.00	1.429	-0.14	0.059	0.084
	WCDMA IV	RMC 12.2Kbps	Right	0mm	Main	Sensor OFF	1312	1712.4	Speed	23.45	25.00	1.429	-0.02	0.342	0.489
	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	1312	1712.4	Speed	19.95	20.00	1.012	-0.06	1.050	1.063
	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	1413	1732.6	Speed	19.82	20.00	1.042	-0.13	1.030	1.073
02	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	1513	1752.6	Speed	19.70	20.00	1.072	0.05	1.020	1.093
	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	1513	1752.6	WNC	19.70	20.00	1.072	-0.18	0.842	0.903
	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	1413	1732.6	WNC	19.82	20.00	1.042	-0.06	0.729	0.760
	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	1513	1752.6	WNC	19.70	20.00	1.072	-0.07	0.818	0.877
	WCDMA V	RMC 12.2Kbps	Top	20mm	Main	Sensor OFF	4132	826.4	Speed	23.78	25.00	1.324	-0.12	0.258	0.342
	WCDMA V	RMC 12.2Kbps	Back	0mm	Main	Sensor OFF	4132	826.4	Speed	23.78	25.00	1.324	0.12	0.060	0.079
	WCDMA V	RMC 12.2Kbps	Right	0mm	Main	Sensor OFF	4132	826.4	Speed	23.78	25.00	1.324	-0.16	0.163	0.216
	WCDMA V	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	4132	826.4	Speed	19.08	19.50	1.102	-0.13	0.828	0.912
	WCDMA V	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	4182	836.4	Speed	18.99	19.50	1.125	-0.16	0.708	0.797
	WCDMA V	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	4233	846.6	Speed	18.95	19.50	1.135	-0.04	0.800	0.908
03	WCDMA V	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	4132	826.4	WNC	19.08	19.50	1.102	-0.04	0.969	1.068
	WCDMA V	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	4182	836.4	WNC	18.99	19.50	1.125	0.15	0.852	0.959
	WCDMA V	RMC 12.2Kbps	Top	0mm	Main	Sensor ON	4233	846.6	WNC	18.95	19.50	1.135	0.19	0.796	0.903

【LTE SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7	20M	QPSK	1	0	Top	20mm	Main	Sensor OFF	21100	2535	Speed	23.66	25.00	1.361			0.08	0.308	0.419
	LTE Band 7	20M	QPSK	50	0	Top	20mm	Main	Sensor OFF	21100	2535	Speed	22.81	24.00	1.315			-0.09	0.273	0.359
	LTE Band 7	20M	QPSK	1	0	Back	0mm	Main	Sensor OFF	21100	2535	Speed	23.66	25.00	1.361			0.13	0.075	0.102
	LTE Band 7	20M	QPSK	50	0	Back	0mm	Main	Sensor OFF	21100	2535	Speed	22.81	24.00	1.315			0.13	0.059	0.078
	LTE Band 7	20M	QPSK	1	0	Right	0mm	Main	Sensor OFF	21100	2535	Speed	23.66	25.00	1.361			-0.15	0.054	0.073
	LTE Band 7	20M	QPSK	50	0	Right	0mm	Main	Sensor OFF	21100	2535	Speed	22.81	24.00	1.315			0.19	0.043	0.057
	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	21100	2535	Speed	18.05	18.50	1.109			-0.14	1.000	1.109
	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	20850	2510	Speed	18.01	18.50	1.119			0.04	1.030	1.153
	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	21350	2560	Speed	18.04	18.50	1.112			0.05	0.878	0.976
	LTE Band 7	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	21100	2535	Speed	17.23	17.50	1.064			-0.11	0.809	0.861
	LTE Band 7	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	20850	2510	Speed	17.09	17.50	1.099			-0.09	0.816	0.897
	LTE Band 7	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	21350	2560	Speed	17.18	17.50	1.076			0.19	0.704	0.758
	LTE Band 7	20M	QPSK	100	0	Top	0mm	Main	Sensor ON	21100	2535	Speed	17.18	17.50	1.076			0.16	0.798	0.859
	LTE Band 7C	20M	QPSK	1	99	Top	0mm	Main	Sensor ON	21100+21298	2535	Speed	17.99	18.50	1.125			0.04	0.976	1.098
	LTE Band 7C	20M	QPSK	1	99	Top	0mm	Main	Sensor ON	20850+21048	2510	Speed	17.96	18.50	1.132			0.13	0.982	1.112
	LTE Band 7C	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	21350+21152	2560	Speed	17.94	18.50	1.138			-0.16	0.865	0.984
04	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	20850	2510	WNC	18.01	18.50	1.119			0.18	1.050	1.175
	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	21100	2535	WNC	18.05	18.50	1.109			0.17	1.020	1.131
	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	21350	2560	WNC	18.04	18.50	1.112			-0.03	0.899	1.000
	LTE Band 7	20M	QPSK	1	0	Top	15mm	MIMO2	Sensor OFF	21350	2560	Speed	23.70	25.00	1.349			0.04	0.216	0.291
	LTE Band 7	20M	QPSK	50	0	Top	15mm	MIMO2	Sensor OFF	21350	2560	Speed	22.55	24.00	1.396			-0.18	0.174	0.243
	LTE Band 7	20M	QPSK	1	0	Back	0mm	MIMO2	Sensor OFF	21350	2560	Speed	23.70	25.00	1.349			0.01	0.041	0.055
	LTE Band 7	20M	QPSK	50	0	Back	0mm	MIMO2	Sensor OFF	21350	2560	Speed	22.55	24.00	1.396			-0.07	0.038	0.053
	LTE Band 7	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor OFF	21350	2560	Speed	23.70	25.00	1.349			-0.02	0.145	0.196
	LTE Band 7	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor OFF	21350	2560	Speed	22.55	24.00	1.396			-0.19	0.141	0.197
	LTE Band 7	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	21350	2560	Speed	19.65	20.00	1.084			0.09	1.050	1.138
	LTE Band 7	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	20850	2510	Speed	19.51	20.00	1.119			0.19	0.662	0.741
	LTE Band 7	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	21100	2535	Speed	19.53	20.00	1.114			-0.12	0.868	0.967
	LTE Band 7	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	21350	2560	Speed	19.57	20.00	1.104			0.18	1.000	1.104
	LTE Band 7	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	20850	2510	Speed	19.42	20.00	1.143			0.06	0.633	0.724
	LTE Band 7	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	21100	2535	Speed	19.48	20.00	1.127			-0.01	0.835	0.941
	LTE Band 7	20M	QPSK	100	0	Top	0mm	MIMO2	Sensor ON	21350	2560	Speed	19.55	20.00	1.109			-0.02	0.997	1.106



FCC SAR TEST REPORT

Report No. : FA620402

	LTE Band 7	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	21350	2560	WNC	19.65	20.00	1.084			0.15	1.030	1.117
	LTE Band 7	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	20850	2510	WNC	19.51	20.00	1.119			-0.06	0.967	1.082
	LTE Band 7	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	21100	2535	WNC	19.53	20.00	1.114			-0.13	0.905	1.008
	LTE Band 12	10M	QPSK	1	0	Top	20mm	Main	Sensor OFF	23095	707.5	Speed	24.35	25.00	1.161			-0.00	0.085	0.099
	LTE Band 12	10M	QPSK	25	0	Top	20mm	Main	Sensor OFF	23095	707.5	Speed	23.25	24.00	1.189			-0.17	0.067	0.080
	LTE Band 12	10M	QPSK	1	0	Back	0mm	Main	Sensor OFF	23095	707.5	Speed	24.35	25.00	1.161			0.17	0.055	0.064
	LTE Band 12	10M	QPSK	25	0	Back	0mm	Main	Sensor OFF	23095	707.5	Speed	23.25	24.00	1.189			0.17	0.043	0.051
	LTE Band 12	10M	QPSK	1	0	Right	0mm	Main	Sensor OFF	23095	707.5	Speed	24.35	25.00	1.161			0.10	0.056	0.065
	LTE Band 12	10M	QPSK	25	0	Right	0mm	Main	Sensor OFF	23095	707.5	Speed	23.25	24.00	1.189			0.15	0.041	0.049
	LTE Band 12	10M	QPSK	1	0	Top	0mm	Main	Sensor ON	23095	707.5	Speed	20.20	20.50	1.072			-0.11	0.600	0.643
	LTE Band 12	10M	QPSK	25	0	Top	0mm	Main	Sensor ON	23095	707.5	Speed	19.10	19.50	1.096			0.12	0.456	0.500
05	LTE Band 12	10M	QPSK	1	0	Top	0mm	Main	Sensor ON	23095	707.5	WNC	20.20	20.50	1.072			0.02	1.110	1.190
	LTE Band 12	10M	QPSK	25	0	Top	0mm	Main	Sensor ON	23095	707.5	WNC	19.10	19.50	1.096			0.16	0.848	0.929
	LTE Band 12	10M	QPSK	50	0	Top	0mm	Main	Sensor ON	23095	707.5	WNC	19.06	19.50	1.107			0.14	0.835	0.924
	LTE Band 13	10M	QPSK	1	0	Top	20mm	Main	Sensor OFF	23230	782	Speed	24.15	25.00	1.216			-0.12	0.167	0.203
	LTE Band 13	10M	QPSK	25	0	Top	20mm	Main	Sensor OFF	23230	782	Speed	23.07	24.00	1.239			-0.16	0.144	0.178
	LTE Band 13	10M	QPSK	1	0	Back	0mm	Main	Sensor OFF	23230	782	Speed	24.15	25.00	1.216			0.00	0.051	0.062
	LTE Band 13	10M	QPSK	25	0	Back	0mm	Main	Sensor OFF	23230	782	Speed	23.07	24.00	1.239			-0.18	0.040	0.050
	LTE Band 13	10M	QPSK	1	0	Right	0mm	Main	Sensor OFF	23230	782	Speed	24.15	25.00	1.216			0.01	0.079	0.096
	LTE Band 13	10M	QPSK	25	0	Right	0mm	Main	Sensor OFF	23230	782	Speed	23.07	24.00	1.239			-0.12	0.059	0.073
	LTE Band 13	10M	QPSK	1	0	Top	0mm	Main	Sensor ON	23230	782	Speed	19.18	19.50	1.076			0.11	0.471	0.507
	LTE Band 13	10M	QPSK	25	0	Top	0mm	Main	Sensor ON	23230	782	Speed	18.12	18.50	1.091			0.06	0.360	0.393
06	LTE Band 13	10M	QPSK	1	0	Top	0mm	Main	Sensor ON	23230	782	WNC	19.18	19.50	1.076			0.04	1.030	1.108
	LTE Band 13	10M	QPSK	25	0	Top	0mm	Main	Sensor ON	23230	782	WNC	18.12	18.50	1.091			-0.11	0.787	0.859
	LTE Band 13	10M	QPSK	50	0	Top	0mm	Main	Sensor ON	23230	782	WNC	18.08	18.50	1.102			0.00	0.776	0.855
	LTE Band 14	10M	QPSK	1	0	Top	20mm	Main	Sensor OFF	23330	793	Speed	24.18	25.00	1.208			0.03	0.166	0.201
	LTE Band 14	10M	QPSK	25	0	Top	20mm	Main	Sensor OFF	23330	793	Speed	23.28	24.00	1.18			-0.03	0.141	0.166
	LTE Band 14	10M	QPSK	1	0	Back	0mm	Main	Sensor OFF	23330	793	Speed	24.18	25.00	1.208			0.06	0.045	0.054
	LTE Band 14	10M	QPSK	25	0	Back	0mm	Main	Sensor OFF	23330	793	Speed	23.28	24.00	1.18			-0.16	0.034	0.040
	LTE Band 14	10M	QPSK	1	0	Right	0mm	Main	Sensor OFF	23330	793	Speed	24.18	25.00	1.208			0.02	0.082	0.099
	LTE Band 14	10M	QPSK	25	0	Right	0mm	Main	Sensor OFF	23330	793	Speed	23.28	24.00	1.18			0.07	0.066	0.078
	LTE Band 14	10M	QPSK	1	0	Top	0mm	Main	Sensor ON	23330	793	Speed	19.16	19.50	1.081			-0.09	0.579	0.626
	LTE Band 14	10M	QPSK	25	0	Top	0mm	Main	Sensor ON	23330	793	Speed	18.22	18.50	1.067			-0.09	0.457	0.488
07	LTE Band 14	10M	QPSK	1	0	Top	0mm	Main	Sensor ON	23330	793	WNC	19.16	19.50	1.081			0.01	0.993	1.073
	LTE Band 14	10M	QPSK	25	0	Top	0mm	Main	Sensor ON	23330	793	WNC	18.22	18.50	1.067			0.11	0.788	0.841
	LTE Band 14	10M	QPSK	50	0	Top	0mm	Main	Sensor ON	23330	793	WNC	18.15	18.50	1.084			-0.12	0.769	0.834
	LTE Band 25	20M	QPSK	1	0	Top	20mm	Main	Sensor OFF	26340	1880	Speed	24.06	25.00	1.242			0.08	0.165	0.205
	LTE Band 25	20M	QPSK	50	0	Top	20mm	Main	Sensor OFF	26340	1880	Speed	23.41	24.00	1.146			-0.10	0.141	0.162
	LTE Band 25	20M	QPSK	1	0	Back	0mm	Main	Sensor OFF	26340	1880	Speed	24.06	25.00	1.242			0.03	0.099	0.123
	LTE Band 25	20M	QPSK	50	0	Back	0mm	Main	Sensor OFF	26340	1880	Speed	23.41	24.00	1.146			0.01	0.078	0.089
	LTE Band 25	20M	QPSK	1	0	Right	0mm	Main	Sensor OFF	26340	1880	Speed	24.06	25.00	1.242			0.00	0.134	0.166
	LTE Band 25	20M	QPSK	50	0	Right	0mm	Main	Sensor OFF	26340	1880	Speed	23.41	24.00	1.146			-0.08	0.106	0.121
	LTE Band 25	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	26340	1880	Speed	20.54	21.50	1.247			0.14	0.909	1.134
	LTE Band 25	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	26140	1860	Speed	20.44	21.50	1.276			-0.15	0.878	1.120
	LTE Band 25	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	26590	1905	Speed	20.52	21.50	1.253			0.16	0.883	1.106
	LTE Band 25	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	26340	1880	Speed	19.48	20.50	1.265			0.05	0.708	0.896
	LTE Band 25	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	26140	1860	Speed	19.34	20.50	1.306			0.06	0.681	0.889
	LTE Band 25	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	26590	1905	Speed	19.38	20.50	1.294			-0.04	0.682	0.883
	LTE Band 25	20M	QPSK	100	0	Top	0mm	Main	Sensor ON	26340	1880	Speed	19.45	20.50	1.274			0.18	0.701	0.893
	LTE Band 25	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	26340	1880	WNC	20.54	21.50	1.247			0.15	0.724	0.903
	LTE Band 25	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	26140	1860	WNC	20.44	21.50	1.276			0.19	0.729	0.930
	LTE Band 25	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	26590	1905	WNC	20.52	21.50	1.253			-0.12	0.789	0.989
	LTE Band 25	20M	QPSK	1	0	Top	15mm	MIMO2	Sensor OFF	26340	1880	Speed	24.31	25.00	1.172			-0.05	0.114	0.134
	LTE Band 25	20M	QPSK	50	0	Top	15mm	MIMO2	Sensor OFF	26340	1880	Speed	23.19	24.00	1.205			-0.07	0.091	0.110
	LTE Band 25	20M	QPSK	1	0	Back	0mm	MIMO2	Sensor OFF	26340	1880	Speed	24.31	25.00	1.172			-0.16	0.093	0.109
	LTE Band 25	20M	QPSK	50	0	Back	0mm	MIMO2	Sensor OFF	26340	1880	Speed	23.19	24.00	1.205			-0.01	0.070	0.084
	LTE Band 25	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor OFF	26340	1880	Speed	24.31	25.00	1.172			0.15	0.145	0.170
	LTE Band 25	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor OFF	26340	1880	Speed	23.19	24.00	1.205			-0.06	0.109	0.131
	LTE Band 25	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	26340	1880	Speed	19.61	20.50	1.227			0.06	0.856	1.050
	LTE Band 25	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	26140	1860	Speed	19.47	20.50	1.268			-0.08	0.879	1.115
	LTE Band 25	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	26590	1905	Speed	19.53	20.50	1.25			-0.04	0.564	0.705
	LTE Band 25	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	26340	1880	Speed	19.59	20.50	1.233			-0.16	0.833	1.027
	LTE Band 25	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	26140	1860	Speed	19.42	20.50	1.282			0.06	0.849	1.088
	LTE Band 25	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	26590	1905	Speed	19.50	20.50	1.259			-0.04	0.558	0.703
	LTE Band 25	20M	QPSK	100	0	Top	0mm	MIMO2	Sensor ON	26340	1880	Speed	19.53	20.50	1.25			0.04	0.812	1.015
	LTE Band 25	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	26140	1860	WNC	19.47	20.50	1.268			-0.19	0.909	1.153
08	LTE Band 25	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	26340	1880	WNC	19.61	20.50	1.227			0.05	0.947	1.162
	LTE Band 25	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	26590	1905	WNC	19.53	20.50	1.25			-0.12	0.886	1.108
	LTE Band 26	15M	QPSK	1	0	Top	20mm	Main	Sensor OFF	26865	831.5	Speed	24.25	25.00	1.189			0.02	0.187	0.222
	LTE Band 26	15M	QPSK	36	0	Top	20mm	Main	Sensor OFF	26865	831.5	Speed	23.35	24.00	1.161			0.06	0.169	0.196
	LTE Band 26	15M	QPSK	1	0	Back	0mm	Main	Sensor OFF	26865	831.5	Speed	24.25	25.00	1.189			-0.06	0.066	0.078
	LTE Band 26	15M	QPSK	36	0	Back	0mm	Main	Sensor OFF	26865	831.5	Speed	23.35	24.00	1.161			-0.19	0.052	0.060
	LTE Band 26	15M	QPSK	1	0	Right	0mm	Main	Sensor OFF	26865	831.5	Speed	24.25	25.00	1.189			0.18	0.200	0.238



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	LTE Band 26	15M	QPSK	36	0	Right	0mm	Main	Sensor OFF	26865	831.5	Speed	23.35	24.00	1.161			0.06	0.159	0.185
	LTE Band 26	15M	QPSK	1	0	Top	0mm	Main	Sensor ON	26865	831.5	Speed	19.35	19.50	1.035			-0.08	0.937	0.970
	LTE Band 26	15M	QPSK	36	0	Top	0mm	Main	Sensor ON	26865	831.5	Speed	18.46	18.50	1.009			-0.08	0.745	0.752
	LTE Band 26	15M	QPSK	75	0	Top	0mm	Main	Sensor ON	26865	831.5	Speed	18.41	18.50	1.021			0.00	0.732	0.747
	LTE Band 5C	10M	QPSK	1	49	Top	0mm	Main	Sensor ON	20476+20575	831.6	Speed	19.28	19.50	1.052			-0.06	0.918	0.966
09	LTE Band 26	15M	QPSK	1	0	Top	0mm	Main	Sensor ON	26865	831.5	WNC	19.35	19.50	1.035			0.01	1.100	1.139
	LTE Band 30	10M	QPSK	1	0	Top	20mm	Main	Sensor OFF	27710	2310	Speed	22.06	23.00	1.242			-0.00	0.134	0.166
	LTE Band 30	10M	QPSK	25	0	Top	20mm	Main	Sensor OFF	27710	2310	Speed	21.08	22.00	1.236			-0.11	0.112	0.138
	LTE Band 30	10M	QPSK	1	0	Back	0mm	Main	Sensor OFF	27710	2310	Speed	22.06	23.00	1.242			-0.01	0.085	0.106
	LTE Band 30	10M	QPSK	25	0	Back	0mm	Main	Sensor OFF	27710	2310	Speed	21.08	22.00	1.236			-0.19	0.073	0.090
	LTE Band 30	10M	QPSK	1	0	Right	0mm	Main	Sensor OFF	27710	2310	Speed	22.06	23.00	1.242			0.13	0.194	0.241
	LTE Band 30	10M	QPSK	25	0	Right	0mm	Main	Sensor OFF	27710	2310	Speed	21.08	22.00	1.236			0.03	0.146	0.180
10	LTE Band 30	10M	QPSK	1	0	Top	0mm	Main	Sensor ON	27710	2310	Speed	20.64	21.00	1.086			0.15	1.050	1.140
	LTE Band 30	10M	QPSK	25	0	Top	0mm	Main	Sensor ON	27710	2310	Speed	19.66	20.00	1.081			-0.07	0.823	0.890
	LTE Band 30	10M	QPSK	50	0	Top	0mm	Main	Sensor ON	27710	2310	Speed	19.64	20.00	1.086			0.06	0.815	0.885
	LTE Band 30	10M	QPSK	1	0	Top	0mm	Main	Sensor ON	27710	2310	WNC	20.64	21.00	1.086			0.19	0.586	0.636
	LTE Band 30	10M	QPSK	1	0	Top	15mm	MIMO2	Sensor OFF	27710	2310	Speed	21.89	23.00	1.291			0.04	0.086	0.111
	LTE Band 30	10M	QPSK	25	0	Top	15mm	MIMO2	Sensor OFF	27710	2310	Speed	21.75	22.00	1.059			0.19	0.068	0.072
	LTE Band 30	10M	QPSK	1	0	Back	0mm	MIMO2	Sensor OFF	27710	2310	Speed	21.89	23.00	1.291			0.13	0.072	0.093
	LTE Band 30	10M	QPSK	25	0	Back	0mm	MIMO2	Sensor OFF	27710	2310	Speed	21.75	22.00	1.059			-0.16	0.057	0.060
	LTE Band 30	10M	QPSK	1	0	Left	0mm	MIMO2	Sensor OFF	27710	2310	Speed	21.89	23.00	1.291			-0.09	0.120	0.155
	LTE Band 30	10M	QPSK	25	0	Left	0mm	MIMO2	Sensor OFF	27710	2310	Speed	21.75	22.00	1.059			-0.16	0.102	0.108
	LTE Band 30	10M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	27710	2310	Speed	21.39	21.50	1.026			0.02	0.895	0.918
	LTE Band 30	10M	QPSK	25	0	Top	0mm	MIMO2	Sensor ON	27710	2310	Speed	21.25	21.50	1.059			-0.11	0.707	0.749
	LTE Band 30	10M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	27710	2310	Speed	21.19	21.50	1.074			0.12	0.836	0.898
	LTE Band 30	10M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	27710	2310	WNC	21.39	21.50	1.026			0.06	1.020	1.047
	LTE Band 66	20M	QPSK	1	0	Top	20mm	Main	Sensor OFF	132322	1745	Speed	23.70	25.00	1.349			-0.11	0.134	0.181
	LTE Band 66	20M	QPSK	50	0	Top	20mm	Main	Sensor OFF	132322	1745	Speed	23.04	24.00	1.247			-0.11	0.113	0.141
	LTE Band 66	20M	QPSK	1	0	Back	0mm	Main	Sensor OFF	132322	1745	Speed	23.70	25.00	1.349			-0.12	0.061	0.082
	LTE Band 66	20M	QPSK	50	0	Back	0mm	Main	Sensor OFF	132322	1745	Speed	23.04	24.00	1.247			-0.12	0.053	0.066
	LTE Band 66	20M	QPSK	1	0	Right	0mm	Main	Sensor OFF	132322	1745	Speed	23.70	25.00	1.349			0.10	0.205	0.277
	LTE Band 66	20M	QPSK	50	0	Right	0mm	Main	Sensor OFF	132322	1745	Speed	23.04	24.00	1.247			0.18	0.153	0.191
	LTE Band 66	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	132322	1745	Speed	20.18	20.50	1.076			0.12	1.020	1.098
	LTE Band 66	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	132072	1720	Speed	20.09	20.50	1.099			0.19	0.927	1.019
11	LTE Band 66	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	132572	1770	Speed	20.14	20.50	1.086			-0.00	1.070	1.162
	LTE Band 66	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	132322	1745	Speed	19.26	19.50	1.057			-0.11	0.813	0.859
	LTE Band 66	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	132072	1720	Speed	19.15	19.50	1.084			0.03	0.730	0.791
	LTE Band 66	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	132572	1770	Speed	19.14	19.50	1.086			0.04	0.828	0.899
	LTE Band 66	20M	QPSK	100	0	Top	0mm	Main	Sensor ON	132322	1745	Speed	19.21	19.50	1.069			-0.04	0.797	0.852
	LTE Band 66B	15M	QPSK	1	74	Top	0mm	Main	Sensor ON	132322+132415	1745	Speed	20.12	20.50	1.091			0.09	0.978	1.067
	LTE Band 66B	15M	QPSK	1	74	Top	0mm	Main	Sensor ON	132047+132140	1717.5	Speed	20.10	20.50	1.096			0.03	0.899	0.985
	LTE Band 66B	15M	QPSK	1	0	Top	0mm	Main	Sensor ON	132597+132504	1772.5	Speed	20.08	20.50	1.102			-0.14	0.943	1.039
	LTE Band 66C	20M	QPSK	1	99	Top	0mm	Main	Sensor ON	132322+132520	1745	Speed	20.15	20.50	1.084			-0.13	0.996	1.080
	LTE Band 66C	20M	QPSK	1	99	Top	0mm	Main	Sensor ON	132072+132270	1720	Speed	20.10	20.50	1.096			0.06	0.916	1.004
	LTE Band 66C	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	132572+132374	1770	Speed	20.11	20.50	1.094			0.00	1.000	1.094
	LTE Band 66	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	132572	1770	WNC	20.14	20.50	1.086			-0.08	0.727	0.790
	LTE Band 66	20M	QPSK	1	0	Top	15mm	MIMO2	Sensor OFF	132322	1745	Speed	23.98	25.00	1.265			0.07	0.096	0.121
	LTE Band 66	20M	QPSK	50	0	Top	15mm	MIMO2	Sensor OFF	132322	1745	Speed	23.04	24.00	1.247			0.01	0.081	0.101
	LTE Band 66	20M	QPSK	1	0	Back	0mm	MIMO2	Sensor OFF	132322	1745	Speed	23.98	25.00	1.265			-0.18	0.054	0.068
	LTE Band 66	20M	QPSK	50	0	Back	0mm	MIMO2	Sensor OFF	132322	1745	Speed	23.04	24.00	1.247			0.01	0.045	0.056
	LTE Band 66	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor OFF	132322	1745	Speed	23.98	25.00	1.265			0.19	0.064	0.081
	LTE Band 66	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor OFF	132322	1745	Speed	23.04	24.00	1.247			0.10	0.036	0.045
	LTE Band 66	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	132322	1745	Speed	19.45	20.00	1.135			-0.10	0.766	0.869
	LTE Band 66	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	132072	1720	Speed	19.26	20.00	1.186			0.00	0.645	0.765
	LTE Band 66	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	132572	1770	Speed	19.40	20.00	1.148			-0.02	0.993	1.140
	LTE Band 66	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	132322	1745	Speed	19.39	20.00	1.151			-0.13	0.738	0.849
	LTE Band 66	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	132072	1720	Speed	19.24	20.00	1.191			0.05	0.626	0.746
	LTE Band 66	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	132572	1770	Speed	19.31	20.00	1.172			-0.14	0.945	1.108
	LTE Band 66	20M	QPSK	100	0	Top	0mm	MIMO2	Sensor ON	132322	1745	Speed	19.33	20.00	1.167			-0.07	0.718	0.838
	LTE Band 66	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	132572	1770	WNC	19.40	20.00	1.148			0.14	0.832	0.955
	LTE Band 66	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	132072	1720	WNC	19.26	20.00	1.186			0.12	0.731	0.867
	LTE Band 66	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	132322	1745	WNC	19.45	20.00	1.135			0.18	0.786	0.892
	LTE Band 71	20M	QPSK	1	0	Top	20mm	Main	Sensor OFF	133297	680.5	Speed	24.10	25.00	1.23			0.01	0.001	0.001
	LTE Band 71	20M	QPSK	50	0	Top	20mm	Main	Sensor OFF	133297	680.5	Speed	23.08	24.00	1.236			0.01	0.001	0.001
	LTE Band 71	20M	QPSK	1	0	Back	0mm	Main	Sensor OFF	133297	680.5	Speed	24.10	25.00	1.23			-0.13	0.067	0.082
	LTE Band 71	20M	QPSK	50	0	Back	0mm	Main	Sensor OFF	133297	680.5	Speed	23.08	24.00	1.236			0.08	0.052	0.064
	LTE Band 71	20M	QPSK	1	0	Right	0mm	Main	Sensor OFF	133297	680.5	Speed	24.10	25.00	1.23			-0.04	0.083	0.102
	LTE Band 71	20M	QPSK	50	0	Right	0mm	Main	Sensor OFF	133297	680.5	Speed	23.08	24.00	1.236			-0.13	0.064	0.079
	LTE Band 71	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	133297	680.5	Speed	23.75	24.50	1.189			0.13	0.953	1.133
	LTE Band 71	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	133297	680.5	Speed	22.73	23.50	1.194			-0.08	0.737	0.880
	LTE Band 71	20M	QPSK	100	0	Top	0mm	Main	Sensor ON	133297	680.5	Speed	22.70	23.50	1.202			0.01	0.725	0.871
12	LTE Band 71	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	133297	680.5	WNC	23.75	24.50	1.189			0.00	1.000	1.189
	LTE Band 41	20M	QPSK	1	0	Top	20mm	Main	Sensor OFF	40620	2593	Speed	24.03	25.00	1.25	62.9	1.006	-0.09	0.088	0.111



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	LTE Band 41	20M	QPSK	50	0	Top	20mm	Main	Sensor OFF	40620	2593	Speed	23.04	24.00	1.247	62.9	1.006	0.04	0.065	0.082
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Main	Sensor OFF	40620	2593	Speed	24.03	25.00	1.25	62.9	1.006	-0.09	0.062	0.078
	LTE Band 41	20M	QPSK	50	0	Back	0mm	Main	Sensor OFF	40620	2593	Speed	23.04	24.00	1.247	62.9	1.006	0.01	0.054	0.068
	LTE Band 41	20M	QPSK	1	0	Right	0mm	Main	Sensor OFF	40620	2593	Speed	24.03	25.00	1.25	62.9	1.006	-0.08	0.146	0.184
	LTE Band 41	20M	QPSK	50	0	Right	0mm	Main	Sensor OFF	40620	2593	Speed	23.04	24.00	1.247	62.9	1.006	-0.07	0.131	0.164
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	41490	2680	Speed	19.53	20.00	1.114	62.9	1.006	0.05	0.679	0.761
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	39750	2506	Speed	19.29	20.00	1.178	62.9	1.006	-0.14	0.840	0.995
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	40185	2549.5	Speed	19.11	20.00	1.227	62.9	1.006	0.04	0.854	1.054
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	40620	2593	Speed	19.45	20.00	1.135	62.9	1.006	-0.15	0.701	0.800
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	41055	2636.5	Speed	19.50	20.00	1.122	62.9	1.006	-0.00	0.692	0.781
	LTE Band 41	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	41490	2680	Speed	18.51	19.00	1.119	62.9	1.006	0.05	0.523	0.589
	LTE Band 41	20M	QPSK	100	0	Top	0mm	Main	Sensor ON	41490	2680	Speed	18.48	19.00	1.127	62.9	1.006	-0.17	0.514	0.583
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	41490	2680	Speed	19.53	20.00	1.114	42.9	1.009	0.16	0.450	0.506
	LTE Band 41C	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	41490+41292	2680	Speed	19.47	20.00	1.13	62.9	1.006	0.05	0.654	0.743
	LTE Band 41C	20M	QPSK	1	99	Top	0mm	Main	Sensor ON	39750+39948	2506	Speed	19.30	20.00	1.175	62.9	1.006	-0.04	0.798	0.943
	LTE Band 41C	20M	QPSK	1	99	Top	0mm	Main	Sensor ON	40185+40383	2549.5	Speed	19.27	20.00	1.183	62.9	1.006	-0.06	0.803	0.956
	LTE Band 41C	20M	QPSK	1	99	Top	0mm	Main	Sensor ON	40620+40818	2593	Speed	19.31	20.00	1.172	62.9	1.006	0.13	0.691	0.815
	LTE Band 41C	20M	QPSK	1	99	Top	0mm	Main	Sensor ON	41055+41253	2636.5	Speed	19.35	20.00	1.161	62.9	1.006	0.02	0.683	0.798
	LTE Band 41C_HPUE	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	41490+41292	2680	Speed	19.47	20.00	1.13	42.9	1.009	0.07	0.442	0.504
13	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	40185	2549.5	WNC	19.11	20.00	1.227	62.9	1.006	0.03	0.953	1.176
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	39750	2506	WNC	19.29	20.00	1.178	62.9	1.006	-0.16	0.928	1.100
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	40620	2593	WNC	19.45	20.00	1.135	62.9	1.006	0.18	0.866	0.989
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	41055	2636.5	WNC	19.50	20.00	1.122	62.9	1.006	-0.02	0.857	0.967
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	41490	2680	WNC	19.53	20.00	1.114	62.9	1.006	0.02	0.761	0.853
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	41490	2680	WNC	19.53	20.00	1.114	42.9	1.009	-0.06	0.546	0.614
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	39750	2506	WNC	19.29	20.00	1.178	42.9	1.009	-0.08	0.572	0.680
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	40185	2549.5	WNC	19.11	20.00	1.227	42.9	1.009	0.00	0.630	0.780
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	40620	2593	WNC	19.45	20.00	1.135	42.9	1.009	-0.15	0.475	0.544
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	41055	2636.5	WNC	19.50	20.00	1.122	42.9	1.009	-0.11	0.546	0.618
	LTE Band 41	20M	QPSK	1	0	Top	15mm	MIMO2	Sensor OFF	41490	2680	Speed	23.80	25.00	1.318	62.9	1.006	0.06	0.057	0.076
	LTE Band 41	20M	QPSK	50	0	Top	15mm	MIMO2	Sensor OFF	41490	2680	Speed	22.89	24.00	1.291	62.9	1.006	-0.04	0.049	0.064
	LTE Band 41	20M	QPSK	1	0	Back	0mm	MIMO2	Sensor OFF	41490	2680	Speed	23.80	25.00	1.318	62.9	1.006	0.01	0.031	0.041
	LTE Band 41	20M	QPSK	50	0	Back	0mm	MIMO2	Sensor OFF	41490	2680	Speed	22.89	24.00	1.291	62.9	1.006	-0.03	0.028	0.036
	LTE Band 41	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor OFF	41490	2680	Speed	23.80	25.00	1.318	62.9	1.006	-0.05	0.070	0.093
	LTE Band 41	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor OFF	41490	2680	Speed	22.89	24.00	1.291	62.9	1.006	-0.17	0.066	0.086
	LTE Band 41	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	41490	2680	Speed	20.59	21.00	1.099	62.9	1.006	-0.04	0.557	0.616
	LTE Band 41	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	39750	2506	Speed	19.86	21.00	1.3	62.9	1.006	0.06	0.591	0.773
	LTE Band 41	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	40185	2549.5	Speed	20.06	21.00	1.242	62.9	1.006	0.12	0.827	1.033
	LTE Band 41	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	40620	2593	Speed	20.36	21.00	1.159	62.9	1.006	-0.07	0.904	1.054
	LTE Band 41	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	41055	2636.5	Speed	20.39	21.00	1.151	62.9	1.006	-0.13	0.693	0.802
	LTE Band 41	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	41490	2680	Speed	20.49	21.00	1.125	62.9	1.006	0.03	0.525	0.594
	LTE Band 41	20M	QPSK	100	0	Top	0mm	MIMO2	Sensor ON	41490	2680	Speed	20.42	21.00	1.143	62.9	1.006	-0.15	0.509	0.585
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	41490	2680	Speed	20.49	21.00	1.125	42.9	1.009	-0.15	0.326	0.370
	LTE Band 41	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	40620	2593	WNC	20.36	21.00	1.159	62.9	1.006	0.10	0.986	1.150
	LTE Band 41	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	39750	2506	WNC	19.86	21.00	1.3	62.9	1.006	-0.06	0.566	0.740
	LTE Band 41	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	40185	2549.5	WNC	20.06	21.00	1.242	62.9	1.006	0.04	0.886	1.107
	LTE Band 41	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	41055	2636.5	WNC	20.39	21.00	1.151	62.9	1.006	0.10	0.755	0.874
	LTE Band 41	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	41490	2680	WNC	20.59	21.00	1.099	62.9	1.006	-0.13	0.852	0.942
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	41490	2680	WNC	20.49	21.00	1.125	42.9	1.009	0.19	0.566	0.642
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	39750	2506	WNC	19.93	21.00	1.279	42.9	1.009	0.11	0.376	0.485
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	40185	2549.5	WNC	19.99	21.00	1.262	42.9	1.009	0.03	0.588	0.749
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	40620	2593	WNC	20.28	21.00	1.18	42.9	1.009	0.15	0.655	0.780
	LTE Band 41_HPUE	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	41055	2636.5	WNC	20.43	21.00	1.14	42.9	1.009	0.13	0.502	0.577
	LTE Band 48	20M	QPSK	1	0	Top	20mm	Main	Sensor OFF	56640	3690	Speed	21.45	22.00	1.135	62.9	1.006	-0.11	0.317	0.362
	LTE Band 48	20M	QPSK	50	0	Top	20mm	Main	Sensor OFF	56640	3690	Speed	20.59	21.00	1.099	62.9	1.006	-0.07	0.293	0.324
	LTE Band 48	20M	QPSK	1	0	Back	0mm	Main	Sensor OFF	56640	3690	Speed	21.45	22.00	1.135	62.9	1.006	0.04	0.047	0.054
	LTE Band 48	20M	QPSK	50	0	Back	0mm	Main	Sensor OFF	56640	3690	Speed	20.59	21.00	1.099	62.9	1.006	0.06	0.036	0.040
	LTE Band 48	20M	QPSK	1	0	Right	0mm	Main	Sensor OFF	56640	3690	Speed	21.45	22.00	1.135	62.9	1.006	0.09	0.118	0.135
	LTE Band 48	20M	QPSK	50	0	Right	0mm	Main	Sensor OFF	56640	3690	Speed	20.59	21.00	1.099	62.9	1.006	0.17	0.090	0.100
	LTE Band 48	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	56640	3690	Speed	16.54	17.00	1.112	62.9	1.006	0.15	0.989	1.106
	LTE Band 48	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	55340	3560	Speed	16.24	17.00	1.191	62.9	1.006	0.01	0.772	0.925
	LTE Band 48	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	55830	3609	Speed	16.37	17.00	1.156	62.9	1.006	-0.12	0.881	1.025
	LTE Band 48	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	56150	3641	Speed	16.46	17.00	1.132	62.9	1.006	0.09	0.920	1.048
	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	56640	3690	Speed	15.49	16.00	1.125	62.9	1.006	0.09	0.762	0.862
	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	55340	3560	Speed	15.27	16.00	1.183	62.9	1.006	0.03	0.602	0.716
	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	55830	3609	Speed	15.36	16.00	1.159	62.9	1.006	-0.04	0.686	0.800
	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor ON	56150	3641	Speed	15.41	16.00	1.146	62.9	1.006	0.11	0.711	0.820
	LTE Band 48	20M	QPSK	100	0	Top	0mm	Main	Sensor ON	56640	3690	Speed	15.47	16.00	1.13	62.9	1.006	0.15	0.756	0.859
	LTE Band 48	20M	QPSK	1	0	Top	0mm	Main	Sensor ON	56640	3690	WNC	16.54	17.00	1.112	62.9	1.006	0.10	0.575	0.643
	LTE Band 48	20M	QPSK	1	0	Top														



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	LTE Band 48	20M	QPSK	1	0	Back	0mm	MIMO2	Sensor OFF	55830	3609	Speed	21.61	22.00	1.094	62.9	1.006	0.14	0.029	0.032
	LTE Band 48	20M	QPSK	50	0	Back	0mm	MIMO2	Sensor OFF	55830	3609	Speed	21.58	22.00	1.102	62.9	1.006	-0.10	0.022	0.024
	LTE Band 48	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor OFF	55830	3609	Speed	21.61	22.00	1.094	62.9	1.006	-0.15	0.067	0.074
	LTE Band 48	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor OFF	55830	3609	Speed	21.58	22.00	1.102	62.9	1.006	-0.10	0.052	0.058
	LTE Band 48	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	55830	3609	Speed	18.09	18.50	1.099	62.9	1.006	-0.11	0.996	1.101
	LTE Band 48	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	55340	3560	Speed	18.02	18.50	1.117	62.9	1.006	0.10	0.972	1.092
	LTE Band 48	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	56150	3641	Speed	18.05	18.50	1.109	62.9	1.006	0.19	0.968	1.080
14	LTE Band 48	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	56640	3690	Speed	18.03	18.50	1.114	62.9	1.006	0.03	1.020	1.143
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	55830	3609	Speed	18.03	18.50	1.114	62.9	1.006	-0.14	0.956	1.071
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	55340	3560	Speed	18.00	18.50	1.122	62.9	1.006	0.06	0.941	1.062
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	56150	3641	Speed	18.01	18.50	1.119	62.9	1.006	-0.02	0.933	1.050
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor ON	56640	3690	Speed	17.99	18.50	1.125	62.9	1.006	-0.05	0.985	1.115
	LTE Band 48	20M	QPSK	100	0	Top	0mm	MIMO2	Sensor ON	55830	3609	Speed	17.92	18.50	1.143	62.9	1.006	0.08	0.932	1.072
	LTE Band 48	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	56640	3690	WNC	18.03	18.50	1.114	62.9	1.006	-0.11	0.907	1.016
	LTE Band 48	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	55340	3560	WNC	18.02	18.50	1.117	62.9	1.006	0.09	0.875	0.983
	LTE Band 48	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	55830	3609	WNC	18.09	18.50	1.099	62.9	1.006	0.08	0.923	1.020
	LTE Band 48	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor ON	56150	3641	WNC	18.05	18.50	1.109	62.9	1.006	0.19	0.927	1.034

【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n5	25M	BPSK	1	64	Top	20mm	Main	Sensor OFF	167300	836.5	Speed	24.00	25.00	1.259	0.14	0.162	0.204
	FR1 n5	25M	BPSK	64	33	Top	20mm	Main	Sensor OFF	167300	836.5	Speed	23.96	25.00	1.271	-0.06	0.165	0.210
	FR1 n5	25M	BPSK	1	64	Back	0mm	Main	Sensor OFF	167300	836.5	Speed	24.00	25.00	1.259	-0.15	0.060	0.076
	FR1 n5	25M	BPSK	64	33	Back	0mm	Main	Sensor OFF	167300	836.5	Speed	23.96	25.00	1.271	-0.01	0.063	0.080
	FR1 n5	25M	BPSK	1	64	Right	0mm	Main	Sensor OFF	167300	836.5	Speed	24.00	25.00	1.259	0.01	0.179	0.225
	FR1 n5	25M	BPSK	64	33	Right	0mm	Main	Sensor OFF	167300	836.5	Speed	23.96	25.00	1.271	-0.04	0.193	0.245
	FR1 n5	25M	BPSK	1	64	Top	0mm	Main	Sensor ON	167300	836.5	Speed	19.29	20.00	1.178	0.02	0.814	0.959
	FR1 n5	25M	BPSK	64	33	Top	0mm	Main	Sensor ON	167300	836.5	Speed	19.27	20.00	1.183	-0.04	0.857	1.014
	FR1 n5	25M	BPSK	128	0	Top	0mm	Main	Sensor ON	167300	836.5	Speed	19.24	20.00	1.191	-0.00	0.787	0.937
15	FR1 n5	25M	BPSK	64	33	Top	0mm	Main	Sensor ON	167300	836.5	WNC	19.27	20.00	1.183	-0.00	0.920	1.088
	FR1 n7	50M	BPSK	1	135	Top	20mm	Main	Sensor OFF	507000	2535	Speed	23.72	25.00	1.343	-0.15	0.202	0.271
	FR1 n7	50M	BPSK	135	68	Top	20mm	Main	Sensor OFF	507000	2535	Speed	23.70	25.00	1.349	-0.00	0.240	0.324
	FR1 n7	50M	BPSK	1	135	Back	0mm	Main	Sensor OFF	507000	2535	Speed	23.72	25.00	1.343	-0.09	0.042	0.056
	FR1 n7	50M	BPSK	135	68	Back	0mm	Main	Sensor OFF	507000	2535	Speed	23.70	25.00	1.349	0.13	0.053	0.071
	FR1 n7	50M	BPSK	1	135	Right	0mm	Main	Sensor OFF	507000	2535	Speed	23.72	25.00	1.343	0.17	0.189	0.254
	FR1 n7	50M	BPSK	135	68	Right	0mm	Main	Sensor OFF	507000	2535	Speed	23.70	25.00	1.349	-0.06	0.204	0.275
	FR1 n7	50M	BPSK	1	135	Top	0mm	Main	Sensor ON	507000	2535	Speed	18.33	18.50	1.04	-0.13	1.040	1.082
	FR1 n7	50M	BPSK	135	68	Top	0mm	Main	Sensor ON	507000	2535	Speed	18.30	18.50	1.047	-0.03	1.070	1.120
	FR1 n7	50M	BPSK	270	0	Top	0mm	Main	Sensor ON	507000	2535	Speed	18.26	18.50	1.057	0.10	1.000	1.057
	FR1 n7	50M	BPSK	135	68	Top	0mm	Main	Sensor ON	507000	2535	WNC	18.30	18.50	1.047	0.14	1.030	1.078
	FR1 n7	50M	BPSK	1	135	Top	15mm	MIMO2	Sensor OFF	507000	2535	Speed	23.86	25.00	1.3	-0.12	0.223	0.290
	FR1 n7	50M	BPSK	135	68	Top	15mm	MIMO2	Sensor OFF	507000	2535	Speed	23.92	25.00	1.282	0.07	0.229	0.294
	FR1 n7	50M	BPSK	1	135	Back	0mm	MIMO2	Sensor OFF	507000	2535	Speed	23.86	25.00	1.3	-0.00	0.047	0.061
	FR1 n7	50M	BPSK	135	68	Back	0mm	MIMO2	Sensor OFF	507000	2535	Speed	23.92	25.00	1.282	0.11	0.050	0.064
	FR1 n7	50M	BPSK	1	135	Left	0mm	MIMO2	Sensor OFF	507000	2535	Speed	23.86	25.00	1.3	0.16	0.162	0.211
	FR1 n7	50M	BPSK	135	68	Left	0mm	MIMO2	Sensor OFF	507000	2535	Speed	23.92	25.00	1.282	-0.01	0.168	0.215
	FR1 n7	50M	BPSK	1	135	Top	0mm	MIMO2	Sensor ON	507000	2535	Speed	18.84	19.50	1.164	0.01	0.968	1.127
16	FR1 n7	50M	BPSK	135	68	Top	0mm	MIMO2	Sensor ON	507000	2535	Speed	18.88	19.50	1.153	0.08	0.994	1.146
	FR1 n7	50M	BPSK	270	0	Top	0mm	MIMO2	Sensor ON	507000	2535	Speed	18.84	19.50	1.164	0.05	0.946	1.101
	FR1 n7	50M	BPSK	135	68	Top	0mm	MIMO2	Sensor ON	507000	2535	WNC	18.88	19.50	1.153	0.04	0.862	0.994
	FR1 n25	45M	BPSK	1	120	Top	20mm	Main	Sensor OFF	376500	1882.5	Speed	23.89	25.00	1.291	-0.04	0.119	0.154
	FR1 n25	45M	BPSK	120	60	Top	20mm	Main	Sensor OFF	376500	1882.5	Speed	23.87	25.00	1.297	0.01	0.121	0.157
	FR1 n25	45M	BPSK	1	120	Back	0mm	Main	Sensor OFF	376500	1882.5	Speed	23.89	25.00	1.291	0.19	0.114	0.147
	FR1 n25	45M	BPSK	120	60	Back	0mm	Main	Sensor OFF	376500	1882.5	Speed	23.87	25.00	1.297	0.17	0.120	0.156
	FR1 n25	45M	BPSK	1	120	Right	0mm	Main	Sensor OFF	376500	1882.5	Speed	23.89	25.00	1.291	-0.11	0.222	0.287
	FR1 n25	45M	BPSK	120	60	Right	0mm	Main	Sensor OFF	376500	1882.5	Speed	23.87	25.00	1.297	-0.02	0.254	0.329
	FR1 n25	45M	BPSK	1	120	Top	0mm	Main	Sensor ON	376500	1882.5	Speed	20.75	21.50	1.189	0.01	0.955	1.135
17	FR1 n25	45M	BPSK	120	60	Top	0mm	Main	Sensor ON	376500	1882.5	Speed	20.70	21.50	1.202	0.06	0.978	1.176
	FR1 n25	45M	BPSK	240	0	Top	0mm	Main	Sensor ON	376500	1882.5	Speed	20.63	21.50	1.222	0.01	0.908	1.110
	FR1 n25	45M	BPSK	120	60	Top	0mm	Main	Sensor ON	376500	1882.5	WNC	20.70	21.50	1.202	0.05	0.914	1.099
	FR1 n25	45M	BPSK	1	120	Top	15mm	MIMO2	Sensor OFF	376500	1882.5	Speed	24.02	25.00	1.253	0.09	0.152	0.190
	FR1 n25	45M	BPSK	120	60	Top	15mm	MIMO2	Sensor OFF	376500	1882.5	Speed	24.05	25.00	1.245	-0.01	0.156	0.194
	FR1 n25	45M	BPSK	1	120	Back	0mm	MIMO2	Sensor OFF	376500	1882.5	Speed	24.02	25.00	1.253	0.14	0.087	0.109
	FR1 n25	45M	BPSK	120	60	Back	0mm	MIMO2	Sensor OFF	376500	1882.5	Speed	24.05	25.00	1.245	0.06	0.092	0.115
	FR1 n25	45M	BPSK	1	120	Left	0mm	MIMO2	Sensor OFF	376500	1882.5	Speed	24.02	25.00	1.253	-0.01	0.173	0.217
	FR1 n25	45M	BPSK	120	60	Left	0mm	MIMO2	Sensor OFF	376500	1882.5	Speed	24.05	25.00	1.245	0.14	0.203	0.253
	FR1 n25	45M	BPSK	1	120	Top	0mm	MIMO2	Sensor ON	376500	1882.5	Speed	19.78	20.00	1.052	-0.06	0.874	0.919
	FR1 n25	45M	BPSK	120	60	Top	0mm	MIMO2	Sensor ON	376500	1882.5	Speed	19.38	20.00	1.153	0.07	0.883	1.018
	FR1 n25	45M	BPSK	240	0	Top	0mm	MIMO2	Sensor ON	376500	1882.5	Speed	19.34	20.00	1.164	0.10	0.762	0.887
	FR1 n25	45M	BPSK	120	60	Top	0mm	MIMO2	Sensor ON	376500	1882.5	WNC	19.38	20.00	1.153	0.08	0.999	1.152
	FR1 n30	10M	BPSK	1	26	Top	20mm	Main	Sensor OFF	462000	2310	Speed	22.56	23.00	1.107	-0.12	0.065	0.072



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	FR1 n30	10M	BPSK	25	14	Top	20mm	Main	Sensor OFF	462000	2310	Speed	22.45	23.00	1.135	-0.18	0.070	0.079
	FR1 n30	10M	BPSK	1	26	Back	0mm	Main	Sensor OFF	462000	2310	Speed	22.56	23.00	1.107	0.09	0.065	0.072
	FR1 n30	10M	BPSK	25	14	Back	0mm	Main	Sensor OFF	462000	2310	Speed	22.45	23.00	1.135	0.04	0.075	0.085
	FR1 n30	10M	BPSK	1	26	Right	0mm	Main	Sensor OFF	462000	2310	Speed	22.56	23.00	1.107	-0.11	0.124	0.137
	FR1 n30	10M	BPSK	25	14	Right	0mm	Main	Sensor OFF	462000	2310	Speed	22.45	23.00	1.135	0.08	0.147	0.167
	FR1 n30	10M	BPSK	1	26	Top	0mm	Main	Sensor ON	462000	2310	Speed	20.16	21.00	1.213	0.06	0.878	1.065
	FR1 n30	10M	BPSK	25	14	Top	0mm	Main	Sensor ON	462000	2310	Speed	20.12	21.00	1.225	-0.02	0.905	1.109
	FR1 n30	10M	BPSK	50	0	Top	0mm	Main	Sensor ON	462000	2310	Speed	20.02	21.00	1.253	0.11	0.832	1.042
	FR1 n30	10M	BPSK	25	14	Top	0mm	Main	Sensor ON	462000	2310	WNC	20.12	21.00	1.225	0.06	0.784	0.960
	FR1 n30	10M	BPSK	1	26	Top	15mm	MIMO2	Sensor OFF	462000	2310	Speed	22.79	23.00	1.05	-0.01	0.060	0.063
	FR1 n30	10M	BPSK	25	14	Top	15mm	MIMO2	Sensor OFF	462000	2310	Speed	22.83	23.00	1.04	-0.14	0.067	0.070
	FR1 n30	10M	BPSK	1	26	Back	0mm	MIMO2	Sensor OFF	462000	2310	Speed	22.79	23.00	1.05	0.19	0.049	0.051
	FR1 n30	10M	BPSK	25	14	Back	0mm	MIMO2	Sensor OFF	462000	2310	Speed	22.83	23.00	1.04	-0.15	0.056	0.058
	FR1 n30	10M	BPSK	1	26	Left	0mm	MIMO2	Sensor OFF	462000	2310	Speed	22.79	23.00	1.05	0.02	0.080	0.084
	FR1 n30	10M	BPSK	25	14	Left	0mm	MIMO2	Sensor OFF	462000	2310	Speed	22.83	23.00	1.04	0.09	0.098	0.102
	FR1 n30	10M	BPSK	1	26	Top	0mm	MIMO2	Sensor ON	462000	2310	Speed	20.83	21.50	1.167	0.18	0.970	1.132
18	FR1 n30	10M	BPSK	25	14	Top	0mm	MIMO2	Sensor ON	462000	2310	Speed	20.76	21.50	1.186	0.05	1.010	1.198
	FR1 n30	10M	BPSK	50	0	Top	0mm	MIMO2	Sensor ON	462000	2310	Speed	20.72	21.50	1.197	0.06	0.928	1.111
	FR1 n30	10M	BPSK	25	14	Top	0mm	MIMO2	Sensor ON	462000	2310	WNC	20.76	21.50	1.186	-0.11	0.946	1.122
	FR1 n66	45M	BPSK	1	120	Top	20mm	Main	Sensor OFF	349000	1745	Speed	23.95	25.00	1.274	-0.15	0.114	0.145
	FR1 n66	45M	BPSK	120	60	Top	20mm	Main	Sensor OFF	349000	1745	Speed	23.92	25.00	1.282	-0.13	0.117	0.150
	FR1 n66	45M	BPSK	1	120	Back	0mm	Main	Sensor OFF	349000	1745	Speed	23.95	25.00	1.274	-0.15	0.071	0.090
	FR1 n66	45M	BPSK	120	60	Back	0mm	Main	Sensor OFF	349000	1745	Speed	23.92	25.00	1.282	0.10	0.076	0.097
	FR1 n66	45M	BPSK	1	120	Right	0mm	Main	Sensor OFF	349000	1745	Speed	23.95	25.00	1.274	0.00	0.160	0.204
	FR1 n66	45M	BPSK	120	60	Right	0mm	Main	Sensor OFF	349000	1745	Speed	23.92	25.00	1.282	0.09	0.192	0.246
	FR1 n66	45M	BPSK	1	120	Top	0mm	Main	Sensor ON	349000	1745	Speed	20.25	21.00	1.189	0.11	0.894	1.063
	FR1 n66	45M	BPSK	120	60	Top	0mm	Main	Sensor ON	349000	1745	Speed	20.23	21.00	1.194	0.02	0.909	1.085
	FR1 n66	45M	BPSK	240	0	Top	0mm	Main	Sensor ON	349000	1745	Speed	20.18	21.00	1.208	0.11	0.860	1.039
	FR1 n66	45M	BPSK	120	60	Top	0mm	Main	Sensor ON	349000	1745	WNC	20.23	21.00	1.194	-0.04	0.595	0.710
	FR1 n66	45M	BPSK	1	120	Top	15mm	MIMO2	Sensor OFF	349000	1745	Speed	23.78	25.00	1.324	0.13	0.129	0.171
	FR1 n66	45M	BPSK	120	60	Top	15mm	MIMO2	Sensor OFF	349000	1745	Speed	23.80	25.00	1.318	-0.15	0.135	0.178
	FR1 n66	45M	BPSK	1	120	Back	0mm	MIMO2	Sensor OFF	349000	1745	Speed	23.78	25.00	1.324	-0.18	0.036	0.048
	FR1 n66	45M	BPSK	120	60	Back	0mm	MIMO2	Sensor OFF	349000	1745	Speed	23.80	25.00	1.318	-0.03	0.042	0.055
	FR1 n66	45M	BPSK	1	120	Left	0mm	MIMO2	Sensor OFF	349000	1745	Speed	23.78	25.00	1.324	0.15	0.068	0.090
	FR1 n66	45M	BPSK	120	60	Left	0mm	MIMO2	Sensor OFF	349000	1745	Speed	23.80	25.00	1.318	-0.05	0.074	0.098
	FR1 n66	45M	BPSK	1	120	Top	0mm	MIMO2	Sensor ON	349000	1745	Speed	20.49	21.00	1.125	0.08	0.962	1.082
19	FR1 n66	45M	BPSK	120	60	Top	0mm	MIMO2	Sensor ON	349000	1745	Speed	20.45	21.00	1.135	-0.04	0.974	1.105
	FR1 n66	45M	BPSK	240	0	Top	0mm	MIMO2	Sensor ON	349000	1745	Speed	20.39	21.00	1.151	-0.17	0.918	1.057
	FR1 n66	45M	BPSK	120	60	Top	0mm	MIMO2	Sensor ON	349000	1745	WNC	20.45	21.00	1.135	0.03	0.747	0.848
	FR1 n71	20M	BPSK	1	53	Top	20mm	Main	Sensor OFF	136100	680.5	Speed	24.30	25.00	1.175	0.01	0.001	0.001
	FR1 n71	20M	BPSK	50	28	Top	20mm	Main	Sensor OFF	136100	680.5	Speed	24.15	25.00	1.216	0.01	0.001	0.001
	FR1 n71	20M	BPSK	1	53	Back	0mm	Main	Sensor OFF	136100	680.5	Speed	24.30	25.00	1.175	0.01	0.055	0.065
	FR1 n71	20M	BPSK	50	28	Back	0mm	Main	Sensor OFF	136100	680.5	Speed	24.15	25.00	1.216	-0.07	0.061	0.074
	FR1 n71	20M	BPSK	1	53	Right	0mm	Main	Sensor OFF	136100	680.5	Speed	24.30	25.00	1.175	0.01	0.044	0.052
	FR1 n71	20M	BPSK	50	28	Right	0mm	Main	Sensor OFF	136100	680.5	Speed	24.15	25.00	1.216	0.08	0.050	0.061
	FR1 n71	20M	BPSK	1	53	Top	0mm	Main	Sensor ON	136100	680.5	Speed	23.80	24.50	1.175	0.07	0.867	1.019
20	FR1 n71	20M	BPSK	50	28	Top	0mm	Main	Sensor ON	136100	680.5	Speed	23.65	24.50	1.216	0.01	0.890	1.082
	FR1 n71	20M	BPSK	100	0	Top	0mm	Main	Sensor ON	136100	680.5	Speed	23.11	24.00	1.227	0.02	0.727	0.892
	FR1 n71	20M	BPSK	50	28	Top	0mm	Main	Sensor ON	136100	680.5	WNC	23.65	24.50	1.216	-0.15	0.735	0.894
	FR1 n41_HPUE	100M	BPSK	1	137	Top	20mm	Main	Sensor OFF	518598	2592.99	Speed	25.86	27.50	1.459	0.03	0.218	0.318
	FR1 n41_HPUE	100M	BPSK	135	69	Top	20mm	Main	Sensor OFF	518598	2592.99	Speed	26.07	27.50	1.39	-0.08	0.256	0.356
	FR1 n41_HPUE	100M	BPSK	1	137	Back	0mm	Main	Sensor OFF	518598	2592.99	Speed	25.86	27.50	1.459	0.09	0.081	0.118
	FR1 n41_HPUE	100M	BPSK	135	69	Back	0mm	Main	Sensor OFF	518598	2592.99	Speed	26.07	27.50	1.39	0.03	0.097	0.135
	FR1 n41_HPUE	100M	BPSK	1	137	Right	0mm	Main	Sensor OFF	518598	2592.99	Speed	25.86	27.50	1.459	0.15	0.117	0.171
	FR1 n41_HPUE	100M	BPSK	135	69	Right	0mm	Main	Sensor OFF	518598	2592.99	Speed	26.07	27.50	1.39	0.05	0.157	0.218
	FR1 n41_HPUE	100M	BPSK	1	137	Top	0mm	Main	Sensor ON	518598	2592.99	Speed	18.20	19.00	1.202	0.02	0.847	1.018
	FR1 n41_HPUE	100M	BPSK	135	69	Top	0mm	Main	Sensor ON	518598	2592.99	Speed	18.49	19.00	1.125	-0.13	0.948	1.067
	FR1 n41_HPUE	100M	BPSK	270	0	Top	0mm	Main	Sensor ON	518598	2592.99	Speed	18.31	19.00	1.172	-0.15	0.866	1.015
	FR1 n41_HPUE	100M	BPSK	135	69	Top	0mm	Main	Sensor ON	518598	2592.99	WNC	18.49	19.00	1.125	0.01	0.985	1.108
	FR1 n41_HPUE	100M	BPSK	1	137	Top	15mm	MIMO2	Sensor OFF	518598	2592.99	Speed	25.73	27.50	1.503	0.05	0.351	0.528
	FR1 n41_HPUE	100M	BPSK	135	69	Top	15mm	MIMO2	Sensor OFF	518598	2592.99	Speed	26.10	27.50	1.38	0.16	0.387	0.534
	FR1 n41_HPUE	100M	BPSK	1	137	Back	0mm	MIMO2	Sensor OFF	518598	2592.99	Speed	25.73	27.50	1.503	0.13	0.113	0.170
	FR1 n41_HPUE	100M	BPSK	135	69	Back	0mm	MIMO2	Sensor OFF	518598	2592.99	Speed	26.10	27.50	1.38	0.09	0.126	0.174
	FR1 n41_HPUE	100M	BPSK	1	137	Left	0mm	MIMO2	Sensor OFF	518598	2592.99	Speed	25.73	27.50	1.503	0.11	0.232	0.349
	FR1 n41_HPUE	100M	BPSK	135	69	Left	0mm	MIMO2	Sensor OFF	518598	2592.99	Speed	26.10	27.50	1.38	-0.15	0.250	0.345
	FR1 n41_HPUE	100M	BPSK	1	137	Top	0mm	MIMO2	Sensor ON	518598	2592.99	Speed	18.49	19.00	1.125	0.12	0.635	0.714
	FR1 n41_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor ON	518598	2592.99	Speed	18.51	19.00	1.119	-0.13	0.723	0.809
	FR1 n41_HPUE	100M	BPSK	270	0	Top	0mm	MIMO2	Sensor ON	518598	2592.99	Speed	18.27	19.00	1.183	0.05	0.589	0.697
21	FR1 n41_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor ON	518598	2592.99	WNC	18.51	19.00	1.119	0.02	1.050	1.175
	FR1 n41_HPUE	100M	BPSK	1	137	Top	20mm	MIMO3	Sensor OFF	518598	2592.99	Speed	25.74	27.50	1.5	0.07	0.166	0.249
	FR1 n41_HPUE	100M	BPSK	135	69	Top	20mm	MIMO3	Sensor OFF	518598	2592.99	Speed	26.01	27.50	1.409	0.03	0.210	0.296
	FR1 n41_HPUE	100M	BPSK	1	137	Back	0mm	MIMO3	Sensor OFF	518598	2592.99	Speed	25.74	27.50	1.5	-0.01	0.041	0.062
	FR1 n41_HPUE	100M	BPSK	135	69	Back	0mm	MIMO3	Sensor OFF	518598	2592.99	Speed	26.01	27.50	1.409	0.17	0.051	0.072



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	FR1 n41_HPUE	100M	BPSK	1	137	Right	0mm	MIMO3	Sensor OFF	518598	2592.99	Speed	25.74	27.50	1.5	-0.15	0.581	0.871
	FR1 n41_HPUE	100M	BPSK	135	69	Right	0mm	MIMO3	Sensor OFF	518598	2592.99	Speed	26.01	27.50	1.409	0.02	0.641	0.903
	FR1 n41_HPUE	100M	BPSK	270	0	Right	0mm	MIMO3	Sensor OFF	518598	2592.99	Speed	25.31	27.00	1.476	0.05	0.565	0.834
	FR1 n41_HPUE	100M	BPSK	1	137	Top	0mm	MIMO3	Sensor ON	518598	2592.99	Speed	18.39	19.50	1.291	-0.09	0.802	1.035
	FR1 n41_HPUE	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor ON	518598	2592.99	Speed	18.70	19.50	1.202	0.09	0.917	1.102
	FR1 n41_HPUE	100M	BPSK	270	0	Top	0mm	MIMO3	Sensor ON	518598	2592.99	Speed	18.59	19.50	1.233	0.08	0.820	1.011
	FR1 n41_HPUE	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor ON	518598	2592.99	WNC	18.70	19.50	1.202	-0.09	0.852	1.024
	FR1 n41_HPUE	100M	BPSK	1	137	Top	15mm	Aux	Sensor OFF	518598	2592.99	Speed	25.77	27.50	1.489	-0.15	0.382	0.569
	FR1 n41_HPUE	100M	BPSK	135	69	Top	15mm	Aux	Sensor OFF	518598	2592.99	Speed	26.05	27.50	1.396	0.02	0.388	0.542
	FR1 n41_HPUE	100M	BPSK	1	137	Back	0mm	Aux	Sensor OFF	518598	2592.99	Speed	25.77	27.50	1.489	0.11	0.037	0.055
	FR1 n41_HPUE	100M	BPSK	135	69	Back	0mm	Aux	Sensor OFF	518598	2592.99	Speed	26.05	27.50	1.396	-0.13	0.043	0.060
	FR1 n41_HPUE	100M	BPSK	1	137	Left	0mm	Aux	Sensor OFF	518598	2592.99	Speed	25.77	27.50	1.489	-0.02	0.233	0.347
	FR1 n41_HPUE	100M	BPSK	135	69	Left	0mm	Aux	Sensor OFF	518598	2592.99	Speed	26.05	27.50	1.396	-0.15	0.256	0.357
	FR1 n41_HPUE	100M	BPSK	1	271	Top	0mm	Aux	Sensor ON	518598	2592.99	Speed	16.06	17.00	1.242	-0.06	0.614	0.763
	FR1 n41_HPUE	100M	BPSK	135	138	Top	0mm	Aux	Sensor ON	518598	2592.99	Speed	16.45	17.00	1.135	-0.04	0.708	0.804
	FR1 n41_HPUE	100M	BPSK	270	0	Top	0mm	Aux	Sensor ON	518598	2592.99	Speed	16.19	17.00	1.205	0.02	0.622	0.750
	FR1 n41_HPUE	100M	BPSK	135	138	Top	0mm	Aux	Sensor ON	518598	2592.99	WNC	16.45	17.00	1.135	0.12	0.999	1.134
	FR1 n48	100M	BPSK	1	137	Top	20mm	Main	Sensor OFF	641666	3624.99	Speed	21.66	22.00	1.081	-0.16	0.255	0.276
	FR1 n48	100M	BPSK	135	69	Top	20mm	Main	Sensor OFF	641666	3624.99	Speed	21.65	22.00	1.084	0.10	0.263	0.285
	FR1 n48	100M	BPSK	1	137	Back	0mm	Main	Sensor OFF	641666	3624.99	Speed	21.66	22.00	1.081	0.00	0.034	0.037
	FR1 n48	100M	BPSK	135	69	Back	0mm	Main	Sensor OFF	641666	3624.99	Speed	21.65	22.00	1.084	-0.03	0.037	0.040
	FR1 n48	100M	BPSK	1	137	Right	0mm	Main	Sensor OFF	641666	3624.99	Speed	21.66	22.00	1.081	-0.02	0.099	0.107
	FR1 n48	100M	BPSK	135	69	Right	0mm	Main	Sensor OFF	641666	3624.99	Speed	21.65	22.00	1.084	0.06	0.118	0.128
	FR1 n48	100M	BPSK	1	137	Top	0mm	Main	Sensor ON	641666	3624.99	Speed	13.22	14.00	1.197	0.04	0.732	0.876
	FR1 n48	100M	BPSK	135	69	Top	0mm	Main	Sensor ON	641666	3624.99	Speed	13.28	14.00	1.18	-0.16	0.752	0.887
	FR1 n48	100M	BPSK	270	0	Top	0mm	Main	Sensor ON	641666	3624.99	Speed	13.12	14.00	1.225	-0.00	0.699	0.856
	FR1 n48	100M	BPSK	135	69	Top	0mm	Main	Sensor ON	641666	3624.99	WNC	13.28	14.00	1.18	0.01	0.998	1.178
	FR1 n48	100M	BPSK	1	137	Top	15mm	MIMO2	Sensor OFF	641666	3624.99	Speed	21.19	22.00	1.205	-0.12	0.245	0.295
	FR1 n48	100M	BPSK	135	69	Top	15mm	MIMO2	Sensor OFF	641666	3624.99	Speed	21.22	22.00	1.197	-0.01	0.261	0.312
	FR1 n48	100M	BPSK	1	137	Back	0mm	MIMO2	Sensor OFF	641666	3624.99	Speed	21.19	22.00	1.205	0.05	0.026	0.031
	FR1 n48	100M	BPSK	135	69	Back	0mm	MIMO2	Sensor OFF	641666	3624.99	Speed	21.22	22.00	1.197	-0.00	0.035	0.042
	FR1 n48	100M	BPSK	1	137	Left	0mm	MIMO2	Sensor OFF	641666	3624.99	Speed	21.19	22.00	1.205	0.13	0.067	0.081
	FR1 n48	100M	BPSK	135	69	Left	0mm	MIMO2	Sensor OFF	641666	3624.99	Speed	21.22	22.00	1.197	0.06	0.095	0.114
	FR1 n48	100M	BPSK	1	137	Top	0mm	MIMO2	Sensor ON	641666	3624.99	Speed	16.16	16.50	1.081	-0.01	0.869	0.939
22	FR1 n48	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor ON	641666	3624.99	Speed	16.24	16.50	1.062	0.02	1.120	1.189
	FR1 n48	100M	BPSK	270	0	Top	0mm	MIMO2	Sensor ON	641666	3624.99	Speed	16.03	16.50	1.114	0.13	0.824	0.918
	FR1 n48	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor ON	641666	3624.99	WNC	16.24	16.50	1.062	-0.04	1.020	1.083
	FR1 n77_HPUE	100M	BPSK	1	137	Top	20mm	Main	Sensor OFF	633332	3499.98	Speed	25.53	27.00	1.403	-0.14	0.292	0.410
	FR1 n77_HPUE	100M	BPSK	135	69	Top	20mm	Main	Sensor OFF	633332	3499.98	Speed	26.02	27.00	1.253	0.08	0.338	0.424
	FR1 n77_HPUE	100M	BPSK	1	137	Back	0mm	Main	Sensor OFF	633332	3499.98	Speed	25.53	27.00	1.403	0.05	0.015	0.021
	FR1 n77_HPUE	100M	BPSK	135	69	Back	0mm	Main	Sensor OFF	633332	3499.98	Speed	26.02	27.00	1.253	-0.18	0.020	0.025
	FR1 n77_HPUE	100M	BPSK	1	137	Right	0mm	Main	Sensor OFF	633332	3499.98	Speed	25.53	27.00	1.403	-0.07	0.047	0.066
	FR1 n77_HPUE	100M	BPSK	135	69	Right	0mm	Main	Sensor OFF	633332	3499.98	Speed	26.02	27.00	1.253	0.06	0.055	0.069
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	Main	Sensor ON	633332	3499.98	Speed	11.88	12.50	1.153	0.18	0.489	0.564
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	Main	Sensor ON	633332	3499.98	Speed	11.92	12.50	1.143	-0.02	0.545	0.623
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	Main	Sensor ON	633332	3499.98	WNC	11.92	12.50	1.143	0.09	0.537	0.614
	FR1 n77_HPUE	100M	BPSK	1	137	Top	15mm	MIMO2	Sensor OFF	633332	3499.98	Speed	26.20	27.00	1.202	0.06	0.233	0.280
	FR1 n77_HPUE	100M	BPSK	135	69	Top	15mm	MIMO2	Sensor OFF	633332	3499.98	Speed	26.38	27.00	1.153	-0.03	0.248	0.286
	FR1 n77_HPUE	100M	BPSK	1	137	Back	0mm	MIMO2	Sensor OFF	633332	3499.98	Speed	26.20	27.00	1.202	0.06	0.012	0.014
	FR1 n77_HPUE	100M	BPSK	135	69	Back	0mm	MIMO2	Sensor OFF	633332	3499.98	Speed	26.38	27.00	1.153	-0.19	0.013	0.015
	FR1 n77_HPUE	100M	BPSK	1	137	Left	0mm	MIMO2	Sensor OFF	633332	3499.98	Speed	26.20	27.00	1.202	0.11	0.026	0.031
	FR1 n77_HPUE	100M	BPSK	135	69	Left	0mm	MIMO2	Sensor OFF	633332	3499.98	Speed	26.38	27.00	1.153	-0.16	0.028	0.032
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	MIMO2	Sensor ON	633332	3499.98	Speed	13.72	14.00	1.067	0.06	0.355	0.379
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor ON	633332	3499.98	Speed	13.91	14.00	1.021	-0.13	0.397	0.405
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor ON	633332	3499.98	WNC	13.91	14.00	1.021	0.01	0.363	0.371
	FR1 n77_HPUE	100M	BPSK	1	137	Top	20mm	MIMO3	Sensor OFF	633332	3499.98	Speed	25.89	27.00	1.291	-0.04	0.442	0.571
	FR1 n77_HPUE	100M	BPSK	135	69	Top	20mm	MIMO3	Sensor OFF	633332	3499.98	Speed	26.45	27.00	1.135	0.05	0.475	0.539
	FR1 n77_HPUE	100M	BPSK	1	137	Back	0mm	MIMO3	Sensor OFF	633332	3499.98	Speed	25.89	27.00	1.291	-0.15	0.034	0.044
	FR1 n77_HPUE	100M	BPSK	135	69	Back	0mm	MIMO3	Sensor OFF	633332	3499.98	Speed	26.45	27.00	1.135	-0.04	0.036	0.041
	FR1 n77_HPUE	100M	BPSK	1	137	Right	0mm	MIMO3	Sensor OFF	633332	3499.98	Speed	25.89	27.00	1.291	-0.04	0.498	0.643
	FR1 n77_HPUE	100M	BPSK	135	69	Right	0mm	MIMO3	Sensor OFF	633332	3499.98	Speed	26.45	27.00	1.135	0.15	0.544	0.617
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	MIMO3	Sensor ON	633332	3499.98	Speed	14.62	15.00	1.091	0.09	0.649	0.708
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor ON	633332	3499.98	Speed	14.85	15.00	1.035	-0.12	0.702	0.727
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor ON	633332	3499.98	WNC	14.85	15.00	1.035	-0.05	0.889	0.920
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	MIMO3	Sensor ON	633332	3499.98	WNC	14.62	15.00	1.091	0.08	0.798	0.871
	FR1 n77_HPUE	100M	BPSK	270	0	Top	0mm	MIMO3	Sensor ON	633332	3499.98	WNC	14.58	15.00	1.102	-0.13	0.816	0.899
	FR1 n77_HPUE	100M	BPSK	1	137	Top	15mm	Aux	Sensor OFF	633332	3499.98	Speed	26.33	27.00	1.167	0.14	0.182	0.212
	FR1 n77_HPUE	100M	BPSK	135	69	Top	15mm	Aux	Sensor OFF	633332	3499.98	Speed	26.52	27.00	1.117	0.13	0.196	0.219
	FR1 n77_HPUE	100M	BPSK	1	137	Back	0mm	Aux	Sensor OFF	633332	3499.98	Speed	26.33	27.00	1.167	-0.06	0.029	0.034
	FR1 n77_HPUE	100M	BPSK	135	69	Back	0mm	Aux	Sensor OFF	633332	3499.98	Speed	26.52	27.00	1.117	0.04	0.034	0.038
	FR1 n77_HPUE	100M	BPSK	1	137	Left	0mm	Aux	Sensor OFF	633332	3499.98	Speed	26.33	27.00	1.167	0.18	0.071	0.083
	FR1 n77_HPUE	100M	BPSK	135	69	Left	0mm	Aux	Sensor OFF	633332	3499.98	Speed	26.52	27.00	1.117	0.10	0.080	0.089
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	Aux	Sensor ON	633332	3499.98	Speed	16.96	17.50	1.132	0.14	0.555	0.628



FCC SAR TEST REPORT

Report No. : FA620402

	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	Aux	Sensor ON	633332	3499.98	Speed	17.18	17.50	1.076	0.14	0.602	0.648
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	Aux	Sensor ON	633332	3499.98	WNC	17.18	17.50	1.076	-0.17	0.619	0.666
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Top	20mm	Main	Sensor OFF	641666	3624.99	Speed	25.67	27.00	1.358	-0.04	0.336	0.456
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	20mm	Main	Sensor OFF	641666	3624.99	Speed	26.15	27.00	1.216	0.03	0.402	0.489
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Back	0mm	Main	Sensor OFF	641666	3624.99	Speed	25.67	27.00	1.358	-0.05	0.026	0.035
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Back	0mm	Main	Sensor OFF	641666	3624.99	Speed	26.15	27.00	1.216	0.07	0.030	0.036
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Right	0mm	Main	Sensor OFF	641666	3624.99	Speed	25.67	27.00	1.358	-0.11	0.089	0.121
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Right	0mm	Main	Sensor OFF	641666	3624.99	Speed	26.15	27.00	1.216	-0.02	0.099	0.120
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Top	0mm	Main	Sensor ON	641666	3624.99	Speed	11.96	12.50	1.132	-0.17	0.652	0.738
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	0mm	Main	Sensor ON	641666	3624.99	Speed	12.11	12.50	1.094	0.04	0.795	0.870
	FR1 n77/n78_HPUE	100M	BPSK	270	0	Top	0mm	Main	Sensor ON	641666	3624.99	Speed	11.89	12.50	1.151	0.03	0.627	0.722
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	0mm	Main	Sensor ON	641666	3624.99	WNC	12.11	12.50	1.094	0.17	0.834	0.912
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Top	15mm	MIMO2	Sensor OFF	641666	3624.99	Speed	25.95	27.00	1.274	0.08	0.196	0.250
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	15mm	MIMO2	Sensor OFF	641666	3624.99	Speed	26.24	27.00	1.191	-0.11	0.207	0.247
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Back	0mm	MIMO2	Sensor OFF	641666	3624.99	Speed	25.95	27.00	1.274	-0.06	0.014	0.018
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Back	0mm	MIMO2	Sensor OFF	641666	3624.99	Speed	26.24	27.00	1.191	-0.05	0.019	0.023
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Left	0mm	MIMO2	Sensor OFF	641666	3624.99	Speed	25.95	27.00	1.274	0.03	0.031	0.039
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Left	0mm	MIMO2	Sensor OFF	641666	3624.99	Speed	26.24	27.00	1.191	-0.12	0.044	0.052
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Top	0mm	MIMO2	Sensor ON	641666	3624.99	Speed	13.64	14.00	1.086	-0.06	0.420	0.456
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor ON	641666	3624.99	Speed	13.74	14.00	1.062	0.02	0.470	0.499
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor ON	641666	3624.99	Speed	13.74	14.00	1.062	0.06	0.632	0.671
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Top	20mm	MIMO3	Sensor OFF	641666	3624.99	Speed	25.86	27.00	1.3	-0.14	0.314	0.408
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	20mm	MIMO3	Sensor OFF	641666	3624.99	Speed	25.91	27.00	1.285	-0.09	0.356	0.457
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Back	0mm	MIMO3	Sensor OFF	641666	3624.99	Speed	25.86	27.00	1.3	-0.02	0.033	0.043
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Back	0mm	MIMO3	Sensor OFF	641666	3624.99	Speed	25.91	27.00	1.285	0.15	0.035	0.045
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Right	0mm	MIMO3	Sensor OFF	641666	3624.99	Speed	25.86	27.00	1.3	0.17	0.423	0.550
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Right	0mm	MIMO3	Sensor OFF	641666	3624.99	Speed	25.91	27.00	1.285	0.00	0.454	0.583
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Top	0mm	MIMO3	Sensor ON	641666	3624.99	Speed	14.31	15.00	1.172	0.07	0.462	0.541
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor ON	641666	3624.99	Speed	14.49	15.00	1.125	-0.13	0.511	0.575
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor ON	641666	3624.99	WNC	14.49	15.00	1.125	-0.10	0.433	0.487
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Top	15mm	Aux	Sensor OFF	641666	3624.99	Speed	26.23	27.00	1.194	-0.09	0.302	0.361
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	15mm	Aux	Sensor OFF	641666	3624.99	Speed	26.40	27.00	1.148	0.12	0.321	0.369
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Back	0mm	Aux	Sensor OFF	641666	3624.99	Speed	26.23	27.00	1.194	-0.14	0.052	0.062
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Back	0mm	Aux	Sensor OFF	641666	3624.99	Speed	26.40	27.00	1.148	0.12	0.066	0.076
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Left	0mm	Aux	Sensor OFF	641666	3624.99	Speed	26.23	27.00	1.194	-0.09	0.057	0.068
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Left	0mm	Aux	Sensor OFF	641666	3624.99	Speed	26.40	27.00	1.148	0.00	0.105	0.121
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Top	0mm	Aux	Sensor ON	641666	3624.99	Speed	16.67	17.50	1.211	0.13	0.504	0.610
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	0mm	Aux	Sensor ON	641666	3624.99	Speed	16.86	17.50	1.159	-0.01	0.643	0.745
	FR1 n77/n78_HPUE	100M	BPSK	135	69	Top	0mm	Aux	Sensor ON	641666	3624.99	WNC	16.86	17.50	1.159	0.09	0.836	0.969
	FR1 n77/n78_HPUE	100M	BPSK	1	137	Top	0mm	Aux	Sensor ON	641666	3624.99	WNC	16.67	17.50	1.211	-0.04	0.755	0.914
	FR1 n77/n78_HPUE	100M	BPSK	270	0	Top	0mm	Aux	Sensor ON	641666	3624.99	WNC	16.59	17.50	1.233	0.17	0.734	0.905
	FR1 n77_HPUE	100M	BPSK	1	137	Top	20mm	Main	Sensor OFF	656000	3840	Speed	25.63	27.00	1.371	-0.00	0.268	0.367
	FR1 n77_HPUE	100M	BPSK	135	69	Top	20mm	Main	Sensor OFF	656000	3840	Speed	25.97	27.00	1.268	0.05	0.325	0.412
	FR1 n77_HPUE	100M	BPSK	1	137	Back	0mm	Main	Sensor OFF	656000	3840	Speed	25.63	27.00	1.371	-0.10	0.022	0.030
	FR1 n77_HPUE	100M	BPSK	135	69	Back	0mm	Main	Sensor OFF	656000	3840	Speed	25.97	27.00	1.268	-0.15	0.026	0.033
	FR1 n77_HPUE	100M	BPSK	1	137	Right	0mm	Main	Sensor OFF	656000	3840	Speed	25.63	27.00	1.371	-0.07	0.099	0.136
	FR1 n77_HPUE	100M	BPSK	135	69	Right	0mm	Main	Sensor OFF	656000	3840	Speed	25.97	27.00	1.268	-0.13	0.117	0.148
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	Main	Sensor ON	656000	3840	Speed	11.90	12.50	1.148	-0.19	0.705	0.809
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	Main	Sensor ON	656000	3840	Speed	12.01	12.50	1.119	-0.10	0.769	0.861
	FR1 n77_HPUE	100M	BPSK	270	0	Top	0mm	Main	Sensor ON	656000	3840	Speed	11.88	12.50	1.153	0.18	0.684	0.789
23	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	Main	Sensor ON	656000	3840	WNC	12.01	12.50	1.119	0.09	0.926	1.036
	FR1 n77_HPUE	100M	BPSK	1	137	Top	15mm	MIMO2	Sensor OFF	656000	3840	Speed	25.93	27.00	1.279	0.04	0.208	0.266
	FR1 n77_HPUE	100M	BPSK	135	69	Top	15mm	MIMO2	Sensor OFF	656000	3840	Speed	26.17	27.00	1.211	-0.09	0.223	0.270
	FR1 n77_HPUE	100M	BPSK	1	137	Back	0mm	MIMO2	Sensor OFF	656000	3840	Speed	25.93	27.00	1.279	0.07	0.012	0.015
	FR1 n77_HPUE	100M	BPSK	135	69	Back	0mm	MIMO2	Sensor OFF	656000	3840	Speed	26.17	27.00	1.211	0.14	0.015	0.018
	FR1 n77_HPUE	100M	BPSK	1	137	Left	0mm	MIMO2	Sensor OFF	656000	3840	Speed	25.93	27.00	1.279	-0.00	0.008	0.010
	FR1 n77_HPUE	100M	BPSK	135	69	Left	0mm	MIMO2	Sensor OFF	656000	3840	Speed	26.17	27.00	1.211	-0.10	0.010	0.012
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	MIMO2	Sensor ON	656000	3840	Speed	13.60	14.00	1.096	-0.05	0.446	0.489
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor ON	656000	3840	Speed	13.66	14.00	1.081	0.14	0.501	0.542
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor ON	656000	3840	WNC	13.66	14.00	1.081	0.03	0.614	0.664
	FR1 n77_HPUE	100M	BPSK	1	137	Top	20mm	MIMO3	Sensor OFF	656000	3840	Speed	25.71	27.00	1.346	0.02	0.238	0.320
	FR1 n77_HPUE	100M	BPSK	135	69	Top	20mm	MIMO3	Sensor OFF	656000	3840	Speed	25.69	27.00	1.352	0.00	0.249	0.337
	FR1 n77_HPUE	100M	BPSK	1	137	Back	0mm	MIMO3	Sensor OFF	656000	3840	Speed	25.71	27.00	1.346	-0.05	0.023	0.031
	FR1 n77_HPUE	100M	BPSK	135	69	Back	0mm	MIMO3	Sensor OFF	656000	3840	Speed	25.69	27.00	1.352	0.06	0.025	0.034
	FR1 n77_HPUE	100M	BPSK	1	137	Right	0mm	MIMO3	Sensor OFF	656000	3840	Speed	25.71	27.00	1.346	0.16	0.423	0.569
	FR1 n77_HPUE	100M	BPSK	135	69	Right	0mm	MIMO3	Sensor OFF	656000	3840	Speed	25.69	27.00	1.352	0.01	0.477	0.645
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	MIMO3	Sensor ON	656000	3840	Speed	14.21	15.00	1.199	-0.17	0.544	0.652
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor ON	656000	3840	Speed	14.24	15.00	1.191	0.08	0.567	0.675
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor ON	656000	3840	WNC	14.24	15.00	1.191	0.06	0.502	0.598
	FR1 n77_HPUE	100M	BPSK	1	137	Top	15mm	Aux	Sensor OFF	656000	3840	Speed	26.12	27.00	1.225	0.03	0.078	0.096
	FR1 n77_HPUE	100M	BPSK	135	69	Top	15mm	Aux	Sensor OFF	656000	3840	Speed	26.28	27.00	1.18	-0.08	0.085	0.100
	FR1 n77_HPUE	100M	BPSK	1	137	Back	0mm	Aux	Sensor OFF	656000	3840	Speed	26.12	27.00	1.225	0.18	0.030	0.037
	FR1 n77_HPUE	100M	BPSK	135	69	Back	0mm	Aux	Sensor OFF	656000	3840	Speed	26.28	27.00	1.18	0.11	0.035	0.041



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	FR1 n77_HPUE	100M	BPSK	1	137	Left	0mm	Aux	Sensor OFF	656000	3840	Speed	26.12	27.00	1.225	0.04	0.116	0.142
	FR1 n77_HPUE	100M	BPSK	135	69	Left	0mm	Aux	Sensor OFF	656000	3840	Speed	26.28	27.00	1.18	0.11	0.122	0.144
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	Aux	Sensor ON	656000	3840	Speed	16.66	17.50	1.213	-0.13	0.345	0.418
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	Aux	Sensor ON	656000	3840	Speed	16.81	17.50	1.172	0.06	0.440	0.516
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	Aux	Sensor ON	656000	3840	WNC	16.81	17.50	1.172	0.07	0.745	0.873
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	Aux	Sensor ON	656000	3840	WNC	16.66	17.50	1.213	-0.06	0.632	0.767
	FR1 n77_HPUE	100M	BPSK	270	0	Top	0mm	Aux	Sensor ON	656000	3840	WNC	16.52	17.50	1.253	0.13	0.607	0.761

17.2 Repeated SAR Measurement

【Repeat SAR 1g - FCC】

No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Ratio
1st	LTE Band 12	10M_QPSK_1_0	Top	0.0	Main	Sensor ON	23095	707.5	WNC	20.20	20.50	1.072	0.02	1.110	1.190	-
2nd	LTE Band 12	10M_QPSK_1_0	Top	0.0	Main	Sensor ON	23095	707.5	WNC	20.20	20.50	1.072	0.06	1.060	1.136	1.05
1st	LTE Band 26	15M_QPSK_1_0	Top	0.0	Main	Sensor ON	26865	831.5	WNC	19.35	19.50	1.035	0.01	1.100	1.139	-
2nd	LTE Band 26	15M_QPSK_1_0	Top	0.0	Main	Sensor ON	26865	831.5	WNC	19.35	19.50	1.035	-0.13	1.050	1.087	1.05
1st	LTE Band 66	20M_QPSK_1_0	Top	0.0	Main	Sensor ON	132572	1770	Speed	20.14	20.50	1.086	-0.00	1.070	1.162	-
2nd	LTE Band 66	20M_QPSK_1_0	Top	0.0	Main	Sensor ON	132572	1770	Speed	20.14	20.50	1.086	0.04	1.030	1.119	1.04
1st	FR1 n25	45M_BPSK_120_60	Top	0.0	MIMO2	Sensor ON	376500	1882.5	WNC	19.38	20.00	1.153	0.08	0.999	1.152	-
2nd	FR1 n25	45M_BPSK_120_60	Top	0.0	MIMO2	Sensor ON	376500	1882.5	WNC	19.38	20.00	1.153	-0.19	0.983	1.133	1.02
1st	LTE Band 30	10M_QPSK_1_0	Top	0.0	Main	Sensor ON	27710	2310	Speed	20.64	21.00	1.086	0.15	1.050	1.140	-
2nd	LTE Band 30	10M_QPSK_1_0	Top	0.0	Main	Sensor ON	27710	2310	Speed	20.64	21.00	1.086	0.11	1.010	1.097	1.04
1st	FR1 n7	50M_BPSK_135_68	Top	0.0	Main	Sensor ON	507000	2535	Speed	18.30	18.50	1.047	-0.03	1.070	1.120	-
2nd	FR1 n7	50M_BPSK_135_68	Top	0.0	Main	Sensor ON	507000	2535	Speed	18.30	18.50	1.047	0.16	1.030	1.078	1.04
1st	FR1 n48	100M_BPSK_135_69	Top	0.0	MIMO2	Sensor ON	641666	3624.99	Speed	16.24	16.50	1.062	0.02	1.120	1.189	-
2nd	FR1 n48	100M_BPSK_135_69	Top	0.0	MIMO2	Sensor ON	641666	3624.99	Speed	16.24	16.50	1.062	0.15	1.060	1.126	1.06

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/kg}$.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45\text{W/kg}$, only one repeated measurement is required.
3. The ratio is the difference in percentage between original and repeated *measured SAR*.
4. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

17.3 Power Class 2 and Power Class 3 Linearity

General Note:

This device support Power Class 2 and Power Class 3 operations. Based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE and FR1 configuration and exposure condition combination, according to the highest time averaged power for Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required. Use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is < 10%

LTE Band 41 (2496~2690MHz)_Main	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.0	20.0
Reported 1g SAR (W/kg)	1.176	0.780
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	63.3	43.3
Linearity SAR (W/kg)	0.80	
% deviation from Expected Linearity		-3.04 %

LTE Band 41 (2496~2690MHz)_MIMO2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.0	21.0
Reported 1g SAR (W/kg)	1.150	0.780
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	79.69	54.51
Linearity SAR (W/kg)	0.79	
% deviation from Expected Linearity		-0.84 %

18. Simultaneous Transmission Analysis

WWAN+ AX211NGW

NO.	Simultaneous Transmission Configurations	Body
1.	WWAN + 2.4GHz WLAN Main + 2.4GHz WLAN Aux	Yes
2.	WWAN + 5/6GHz WLAN Main + 5/6GHz WLAN Aux + Bluetooth Aux	Yes
3.	WWAN + 2.4GHz WLAN Main + Bluetooth Aux	Yes

WWAN+ BE211NGW

NO.	Simultaneous Transmission Configurations	Body
4.	WWAN + 2.4GHz WLAN Main + 2.4GHz WLAN Aux	Yes
5.	WWAN + 2.4GHz WLAN Main + Bluetooth Aux	Yes
6.	WWAN + 2.4GHz WLAN Aux + Bluetooth Main	Yes
7.	WWAN + 5/6GHz WLAN Main + 5/6GHz WLAN Aux + Bluetooth Main + Bluetooth Aux	Yes

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NO.	Simultaneous Transmission Configurations	Body
8.	WWAN + 2.4GHz WLAN Main + 2.4GHz WLAN Aux	Yes
9.	WWAN + 5/6GHz WLAN Main + 5/6GHz WLAN Aux + Bluetooth Aux	Yes

WWAN+ MT7925B22M

NO.	Simultaneous Transmission Configurations	Body
10.	WWAN + 2.4GHz WLAN Main + 2.4GHz WLAN Aux	Yes
11.	WWAN + 2.4GHz WLAN Main + 5/6GHz WLAN Aux	Yes
12.	WWAN + 2.4GHz WLAN Aux + 5/6GHz WLAN Main	Yes
13.	WWAN + 5/6GHz WLAN Main + 5/6GHz WLAN Aux + Bluetooth Aux	Yes

General Note:

1. The Scaled SAR summation is calculated based on the same configuration and test position.
2. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) Scalar SAR summation 1g 1.6W/kg or 10g 4.0W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$ for 1g SAR, ≤ 0.1 for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR 1.6W/kg or 10g SAR 4.0W/kg.
 - v) Simultaneously transmission SAR measurement, and the reported multi-band SAR $< 1.6W/kg$.
 - vi) The SPLSR calculated results please refer to section 17.2.

18.1 Body Conditions

WWAN+WLAN AX211NGW

WWAN	Exposure Position	0	1	2	3	4	5	0+1+2 Summed 1g SAR (W/kg)	0+1+5 Summed 1g SAR (W/kg)	0+3+4+5 Summed 1g SAR (W/kg)	0+3+4+5 SPLSR	0+3+4+5 Case No.
		Maximum WWAN	2.4GHz WLAN Main	2.4GHz WLAN Aux	5/6GHz WLAN Main	5/6GHz WLAN Aux	Bluetooth Aux					
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)					
Main	Back at 0mm	0.156	0.700	0.060	0.910	1.100	0.030	0.916	0.886	2.196	0.02	Case 1
	Right at 0mm	0.489		0.490		0.790	0.060	0.979	0.549	1.339		
	Top at 0mm	1.190						1.190	1.190	1.190		
MIMO2	Back at 0mm	0.174	0.700	0.060	0.910	1.100	0.030	0.934	0.904	2.214	0.02	Case 2
	Left at 0mm	0.349	0.460		0.750			0.809	0.809	1.099		
	Top at 0mm	1.198						1.198	1.198	1.198		
MIMO3	Back at 0mm	0.072	0.700	0.060	0.910	1.100	0.030	0.832	0.802	2.112	0.02	Case 3
	Right at 0mm	0.903		0.490		0.790	0.060	1.393	0.963	1.753	0.01	Case 5
	Top at 0mm	1.102						1.102	1.102	1.102		
Aux	Back at 0mm	0.076	0.700	0.060	0.910	1.100	0.030	0.836	0.806	2.116	0.02	Case 4
	Left at 0mm	0.357	0.460		0.750			0.817	0.817	1.107		
	Top at 0mm	1.134						1.134	1.134	1.134		

WWAN+WLAN BE211NGW

WWAN	Exposure Position	0	1	2	3	4	5	6	0+1+2 Summed 1g SAR (W/kg)	0+1+6 Summed 1g SAR (W/kg)	0+2+5 Summed 1g SAR (W/kg)	0+3+4+5+6 Summed 1g SAR (W/kg)	0+1+2 SPLSR	0+1+2 Case No.	0+2+5 SPLSR	0+2+5 Case No.	0+3+4+5+6 SPLSR	0+3+4+5+6 Case No.
		Maximum WWAN	2.4GHz WLAN Main	2.4GHz WLAN Aux	5/6GHz WLAN Main	5/6GHz WLAN Aux	Bluetooth Main	Bluetooth Aux										
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)										
Main	Back at 0mm	0.156	0.980	0.950	1.160	1.070	0.420	0.320	2.086	1.456	1.526	3.126	0.01	Case 6			0.03	Case 11
	Right at 0mm	0.489		0.800		0.790		0.210	1.289	0.699	1.289	1.489						
	Top at 0mm	1.190							1.190	1.190	1.190	1.190						
MIMO2	Back at 0mm	0.174	0.980	0.950	1.160	1.070	0.420	0.320	2.104	1.474	1.544	3.144	0.01	Case 7			0.03	Case 12
	Left at 0mm	0.349	0.790		0.800		0.240		1.139	1.139	0.589	1.389						
	Top at 0mm	1.198							1.198	1.198	1.198	1.198						
MIMO3	Back at 0mm	0.072	0.980	0.950	1.160	1.070	0.420	0.320	2.002	1.372	1.442	3.042	0.01	Case 8			0.03	Case 13
	Right at 0mm	0.903		0.800		0.790		0.210	1.703	1.113	1.703	1.903	0.01	Case 10	0.01	Case 10	0.01	Case 15
	Top at 0mm	1.102							1.102	1.102	1.102	1.102						
Aux	Back at 0mm	0.076	0.980	0.950	1.160	1.070	0.420	0.320	2.006	1.376	1.446	3.046	0.01	Case 9			0.03	Case 14
	Left at 0mm	0.357	0.790		0.800		0.240		1.147	1.147	0.597	1.397						
	Top at 0mm	1.134							1.134	1.134	1.134	1.134						

WWAN+WLAN MT7922A22M

WWAN	Exposure Position	0	1	2	3	4	5	0+1+2 Summed 1g SAR (W/kg)	0+3+4+5 Summed 1g SAR (W/kg)	0+1+2 SPLSR	0+1+2 Case No.	0+3+4+5 SPLSR	0+3+4+5 Case No.
		Maximum WWAN	2.4GHz WLAN Main	2.4GHz WLAN Aux	5/6GHz WLAN Main	5/6GHz WLAN Aux	Bluetooth Aux						
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
Main	Back at 0mm	0.156	1.139	1.049	1.114	1.189	0.398	2.344	2.857	0.02	Case 16	0.02	Case 20
	Right at 0mm	0.489						0.489	0.489				
	Top at 0mm	1.190						1.190	1.190				
MIMO2	Back at 0mm	0.174	1.139	1.049	1.114	1.189	0.398	2.362	2.875	0.02	Case 17	0.02	Case 21
	Left at 0mm	0.349						0.349	0.349				
	Top at 0mm	1.198						1.198	1.198				
MIMO3	Back at 0mm	0.072	1.139	1.049	1.114	1.189	0.398	2.260	2.773	0.02	Case 18	0.02	Case 22
	Right at 0mm	0.903						0.903	0.903				
	Top at 0mm	1.102						1.102	1.102				
Aux	Back at 0mm	0.076	1.139	1.049	1.114	1.189	0.398	2.264	2.777	0.02	Case 19	0.02	Case 23
	Left at 0mm	0.357						0.357	0.357				
	Top at 0mm	1.134						1.134	1.134				

WWAN+WLAN MT7925B22M

WWAN	Exposure Position	0	1	2	3	4	5	0+1+2 Summed 1g SAR (W/kg)	0+1+4 Summed 1g SAR (W/kg)	0+2+3 Summed 1g SAR (W/kg)	0+3+4+5 Summed 1g SAR (W/kg)	0+1+2 SPLSR	0+1+2 Case No.	0+1+4 SPLSR	0+1+4 Case No.	0+2+3 SPLSR	0+2+3 Case No.	0+3+4+5 SPLSR	0+3+4+5 Case No.
		Maximum WWAN	2.4GHz WLAN Main	2.4GHz WLAN Aux	5/6GHz WLAN Main	5/6GHz WLAN Aux	Bluetooth Aux												
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)												
Main	Back at 0mm	0.156	1.193	1.005	1.184	1.094	0.458	2.354	2.443	2.345	2.892	0.02	Case 24	0.02	Case 28	0.02	Case 32	0.02	Case 36
	Right at 0mm	0.489						0.489	0.489	0.489	0.489								
	Top at 0mm	1.190						1.190	1.190	1.190	1.190								
MIMO2	Back at 0mm	0.174	1.193	1.005	1.184	1.094	0.458	2.372	2.461	2.363	2.910	0.02	Case 25	0.02	Case 29	0.02	Case 33	0.02	Case 37
	Left at 0mm	0.349						0.349	0.349	0.349	0.349								
	Top at 0mm	1.198						1.198	1.198	1.198	1.198								
MIMO3	Back at 0mm	0.072	1.193	1.005	1.184	1.094	0.458	2.270	2.359	2.261	2.808	0.02	Case 26	0.02	Case 30	0.02	Case 34	0.02	Case 38
	Right at 0mm	0.903						0.903	0.903	0.903	0.903								
	Top at 0mm	1.102						1.102	1.102	1.102	1.102								
Aux	Back at 0mm	0.076	1.193	1.005	1.184	1.094	0.458	2.274	2.363	2.265	2.812	0.02	Case 27	0.02	Case 31	0.02	Case 35	0.02	Case 39
	Left at 0mm	0.357						0.357	0.357	0.357	0.357								
	Top at 0mm	1.134						1.134	1.134	1.134	1.134								

18.2 SPLSR Evaluation and Analysis

General Note:

- According to the antenna locations, the minimum distance between each transmit antenna is used for SPLSR analysis.
- $SPLSR = (SAR_1 + SAR_2)^{1.5} / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary

	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 1	WWAN Main	Back	0.156	0	330.1	1.07	0.00	Not required
	5/6GHz WLAN Main		0.910	0				
	WWAN Main	Back	0.156	0	196.8	1.29	0.01	Not required
	5/6GHz WLAN+BT Aux		1.130	0				
	5/6GHz WLAN Main	Back	0.910	0	183.8	2.04	0.02	Not required
	5/6GHz WLAN+BT Aux		1.130	0				
Case 2	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO2	Back	0.174	0	196.8	1.08	0.01	Not required
	5/6GHz WLAN Main		0.910	0				
	WWAN MIMO2	Back	0.174	0	330.1	1.30	0.00	Not required
	5/6GHz WLAN+BT Aux		1.130	0				
	5/6GHz WLAN Main	Back	0.910	0	183.8	2.04	0.02	Not required
	5/6GHz WLAN+BT Aux		1.130	0				
Case 3	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO3	Back	0.072	0	330.1	0.98	0.00	Not required
	5/6GHz WLAN Main		0.910	0				
	WWAN MIMO3	Back	0.072	0	196.8	1.20	0.01	Not required
	5/6GHz WLAN+BT Aux		1.130	0				
	5/6GHz WLAN Main	Back	0.910	0	183.8	2.04	0.02	Not required
	5/6GHz WLAN+BT Aux		1.130	0				
Case 4	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN Aux	Back	0.076	0	196.8	0.99	0.00	Not required
	5/6GHz WLAN Main		0.910	0				
	WWAN Aux	Back	0.076	0	330.1	1.21	0.00	Not required
	5/6GHz WLAN+BT Aux		1.130	0				
	5/6GHz WLAN Main	Back	0.910	0	183.8	2.04	0.02	Not required
	5/6GHz WLAN+BT Aux		1.130	0				
Case 5	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO3	Right	0.903	0	196.8	1.75	0.01	Not required
	5/6GHz WLAN+BT Aux		0.850	0				
Case 6	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN Main	Back	0.156	0	330.1	1.14	0.00	Not required
	2.4GHz WLAN Main		0.980	0				
	WWAN Main	Back	0.156	0	196.8	1.11	0.01	Not required
	2.4GHz WLAN Aux		0.950	0				
	2.4GHz WLAN Main	Back	0.980	0	183.8	1.93	0.01	Not required
	2.4GHz WLAN Aux		0.950	0				

	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 7	WWAN MIMO2	Back	0.174	0	196.8	1.15	0.01	Not required
	2.4GHz WLAN Main		0.980	0				
	WWAN MIMO2	Back	0.174	0	330.1	1.12	0.00	Not required
	2.4GHz WLAN Aux		0.950	0				
	2.4GHz WLAN Main	Back	0.980	0	183.8	1.93	0.01	Not required
	2.4GHz WLAN Aux		0.950	0				
	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 8	WWAN MIMO3	Back	0.072	0	330.1	1.05	0.00	Not required
	2.4GHz WLAN Main		0.980	0				
	WWAN MIMO3	Back	0.072	0	196.8	1.02	0.01	Not required
	2.4GHz WLAN Aux		0.950	0				
	2.4GHz WLAN Main	Back	0.980	0	183.8	1.93	0.01	Not required
	2.4GHz WLAN Aux		0.950	0				
	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 9	WWAN Aux	Back	0.076	0	196.8	1.06	0.01	Not required
	2.4GHz WLAN Main		0.980	0				
	WWAN Aux	Back	0.076	0	330.1	1.03	0.00	Not required
	2.4GHz WLAN Aux		0.950	0				
	2.4GHz WLAN Main	Back	0.980	0	183.8	1.93	0.01	Not required
	2.4GHz WLAN Aux		0.950	0				
	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 10	WWAN MIMO3	Right	0.903	0	196.8	1.70	0.01	Not required
	2.4GHz WLAN Aux		0.800	0				
	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 11	WWAN Main	Back	0.156	0	330.1	1.74	0.01	Not required
	5/6GHz WLAN+BT Main		1.580	0				
	WWAN Main	Back	0.156	0	196.8	1.55	0.01	Not required
	5/6GHz WLAN+BT Aux		1.390	0				
	5/6GHz WLAN+BT Main	Back	1.580	0	183.8	2.97	0.03	Not required
	5/6GHz WLAN+BT Aux		1.390	0				
	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 12	WWAN MIMO2	Back	0.174	0	196.8	1.75	0.01	Not required
	5/6GHz WLAN+BT Main		1.580	0				
	WWAN MIMO2	Back	0.174	0	330.1	1.56	0.01	Not required
	5/6GHz WLAN+BT Aux		1.390	0				
	5/6GHz WLAN+BT Main	Back	1.580	0	183.8	2.97	0.03	Not required
	5/6GHz WLAN+BT Aux		1.390	0				
	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 13	WWAN MIMO3	Back	0.072	0	330.1	1.65	0.01	Not required
	5/6GHz WLAN+BT Main		1.580	0				
	WWAN MIMO3	Back	0.072	0	196.8	1.46	0.01	Not required
	5/6GHz WLAN+BT Aux		1.390	0				
	5/6GHz WLAN+BT Main	Back	1.580	0	183.8	2.97	0.03	Not required
	5/6GHz WLAN+BT Aux		1.390	0				

	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 14	WWAN Aux	Back	0.076	0	196.8	1.66	0.01	Not required
	5/6GHz WLAN+BT Main		1.580	0				
	WWAN Aux	Back	0.076	0	330.1	1.47	0.01	Not required
	5/6GHz WLAN+BT Aux		1.390	0				
	5/6GHz WLAN+BT Main	Back	1.580	0	183.8	2.97	0.03	Not required
	5/6GHz WLAN+BT Aux		1.390	0				
Case 15	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO3	Right	0.903	0	196.8	1.90	0.01	Not required
	5/6GHz WLAN+BT Aux		1.000	0				
Case 16	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN Main	Back	0.156	0	330.1	1.30	0.00	Not required
	2.4GHz WLAN Main		1.139	0				
	WWAN Main	Back	0.156	0	196.8	1.21	0.01	Not required
	2.4GHz WLAN Aux		1.049	0				
	2.4GHz WLAN Main	Back	1.139	0	183.8	2.19	0.02	Not required
	2.4GHz WLAN Aux		1.049	0				
Case 17	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO2	Back	0.174	0	196.8	1.31	0.01	Not required
	2.4GHz WLAN Main		1.139	0				
	WWAN MIMO2	Back	0.174	0	330.1	1.22	0.00	Not required
	2.4GHz WLAN Aux		1.049	0				
	2.4GHz WLAN Main	Back	1.139	0	183.8	2.19	0.02	Not required
	2.4GHz WLAN Aux		1.049	0				
Case 18	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO3	Back	0.072	0	330.1	1.21	0.00	Not required
	2.4GHz WLAN Main		1.139	0				
	WWAN MIMO3	Back	0.072	0	196.8	1.12	0.01	Not required
	2.4GHz WLAN Aux		1.049	0				
	2.4GHz WLAN Main	Back	1.139	0	183.8	2.19	0.02	Not required
	2.4GHz WLAN Aux		1.049	0				
Case 19	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN Aux	Back	0.076	0	196.8	1.22	0.01	Not required
	2.4GHz WLAN Main		1.139	0				
	WWAN Aux	Back	0.076	0	330.1	1.13	0.00	Not required
	2.4GHz WLAN Aux		1.049	0				
	2.4GHz WLAN Main	Back	1.139	0	183.8	2.19	0.02	Not required
	2.4GHz WLAN Aux		1.049	0				
Case 20	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN Main	Back	0.156	0	330.1	1.27	0.00	Not required
	5/6GHz WLAN Main		1.114	0				
	WWAN Main	Back	0.156	0	196.8	1.74	0.01	Not required
	5/6GHz WLAN+BT Aux		1.587	0				
	5/6GHz WLAN Main	Back	1.114	0	183.8	2.70	0.02	Not required
	5/6GHz WLAN+BT Aux		1.587	0				

	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 21	WWAN MIMO2	Back	0.174	0	196.8	1.29	0.01	Not required
	5/6GHz WLAN Main		1.114	0				
	WWAN MIMO2	Back	0.174	0	330.1	1.76	0.01	Not required
	5/6GHz WLAN+BT Aux		1.587	0				
	5/6GHz WLAN Main	Back	1.114	0	183.8	2.70	0.02	Not required
	5/6GHz WLAN+BT Aux		1.587	0				
Case 22	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO3	Back	0.072	0	330.1	1.19	0.00	Not required
	5/6GHz WLAN Main		1.114	0				
	WWAN MIMO3	Back	0.072	0	196.8	1.66	0.01	Not required
	5/6GHz WLAN+BT Aux		1.587	0				
	5/6GHz WLAN Main	Back	1.114	0	183.8	2.70	0.02	Not required
	5/6GHz WLAN+BT Aux		1.587	0				
Case 23	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN Aux	Back	0.076	0	196.8	1.19	0.01	Not required
	5/6GHz WLAN Main		1.114	0				
	WWAN Aux	Back	0.076	0	330.1	1.66	0.01	Not required
	5/6GHz WLAN+BT Aux		1.587	0				
	5/6GHz WLAN Main	Back	1.114	0	183.8	2.70	0.02	Not required
	5/6GHz WLAN+BT Aux		1.587	0				
Case 24	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN Main	Back	0.156	0	330.1	1.35	0.00	Not required
	2.4GHz WLAN Main		1.193	0				
	WWAN Main	Back	0.156	0	196.8	1.16	0.01	Not required
	2.4GHz WLAN Aux		1.005	0				
	2.4GHz WLAN Main	Back	1.193	0	183.8	2.20	0.02	Not required
	2.4GHz WLAN Aux		1.005	0				
Case 25	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO2	Back	0.174	0	196.8	1.37	0.01	Not required
	2.4GHz WLAN Main		1.193	0				
	WWAN MIMO2	Back	0.174	0	330.1	1.18	0.00	Not required
	2.4GHz WLAN Aux		1.005	0				
	2.4GHz WLAN Main	Back	1.193	0	183.8	2.20	0.02	Not required
	2.4GHz WLAN Aux		1.005	0				
Case 26	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO3	Back	0.072	0	330.1	1.27	0.00	Not required
	2.4GHz WLAN Main		1.193	0				
	WWAN MIMO3	Back	0.072	0	196.8	1.08	0.01	Not required
	2.4GHz WLAN Aux		1.005	0				
	2.4GHz WLAN Main	Back	1.193	0	183.8	2.20	0.02	Not required
	2.4GHz WLAN Aux		1.005	0				
Case 27	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN Aux	Back	0.076	0	196.8	1.27	0.01	Not required
	2.4GHz WLAN Main		1.193	0				
	WWAN Aux	Back	0.076	0	330.1	1.08	0.00	Not required
	2.4GHz WLAN Aux		1.005	0				
	2.4GHz WLAN Main	Back	1.193	0	183.8	2.20	0.02	Not required
	2.4GHz WLAN Aux		1.005	0				

	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 28	WWAN Main	Back	0.156	0	330.1	1.35	0.00	Not required
	2.4GHz WLAN Main		1.193	0				
	WWAN Main	Back	0.156	0	196.8	1.25	0.01	Not required
	5/6GHz WLAN Aux		1.094	0				
	2.4GHz WLAN Main	Back	1.193	0	183.8	2.29	0.02	Not required
	5/6GHz WLAN Aux		1.094	0				
Case 29	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO2	Back	0.174	0	196.8	1.37	0.01	Not required
	2.4GHz WLAN Main		1.193	0				
	WWAN MIMO2	Back	0.174	0	330.1	1.27	0.00	Not required
	5/6GHz WLAN Aux		1.094	0				
	2.4GHz WLAN Main	Back	1.193	0	183.8	2.29	0.02	Not required
	5/6GHz WLAN Aux		1.094	0				
Case 30	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO3	Back	0.072	0	330.1	1.27	0.00	Not required
	2.4GHz WLAN Main		1.193	0				
	WWAN MIMO3	Back	0.072	0	196.8	1.17	0.01	Not required
	5/6GHz WLAN Aux		1.094	0				
	2.4GHz WLAN Main	Back	1.193	0	183.8	2.29	0.02	Not required
	5/6GHz WLAN Aux		1.094	0				
Case 31	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN Aux	Back	0.076	0	196.8	1.27	0.01	Not required
	2.4GHz WLAN Main		1.193	0				
	WWAN Aux	Back	0.076	0	330.1	1.17	0.00	Not required
	5/6GHz WLAN Aux		1.094	0				
	2.4GHz WLAN Main	Back	1.193	0	183.8	2.29	0.02	Not required
	5/6GHz WLAN Aux		1.094	0				
Case 32	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN Main	Back	0.156	0	196.8	1.16	0.01	Not required
	2.4GHz WLAN Aux		1.005	0				
	WWAN Main	Back	0.156	0	330.1	1.34	0.00	Not required
	5/6GHz WLAN Main		1.184	0				
	2.4GHz WLAN Aux	Back	1.005	0	183.8	2.19	0.02	Not required
	5/6GHz WLAN Main		1.184	0				
Case 33	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO2	Back	0.174	0	330.1	1.18	0.00	Not required
	2.4GHz WLAN Aux		1.005	0				
	WWAN MIMO2	Back	0.174	0	196.8	1.36	0.01	Not required
	5/6GHz WLAN Main		1.184	0				
	2.4GHz WLAN Aux	Back	1.005	0	183.8	2.19	0.02	Not required
	5/6GHz WLAN Main		1.184	0				
Case 34	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WWAN MIMO3	Back	0.072	0	196.8	1.08	0.01	Not required
	2.4GHz WLAN Aux		1.005	0				
	WWAN MIMO3	Back	0.072	0	330.1	1.26	0.00	Not required
	5/6GHz WLAN Main		1.184	0				
	2.4GHz WLAN Aux	Back	1.005	0	183.8	2.19	0.02	Not required
	5/6GHz WLAN Main		1.184	0				

	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 35	WWAN Aux	Back	0.076	0	330.1	1.27	0.00	Not required
	2.4GHz WLAN Aux		1.193	0				
	WWAN Aux	Back	0.076	0	196.8	1.26	0.01	Not required
	5/6GHz WLAN Main		1.184	0				
	2.4GHz WLAN Aux	Back	1.005	0	183.8	2.19	0.02	Not required
	5/6GHz WLAN Main		1.184	0				
Case 36	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
	WWAN Main	Back	0.156	0	330.1	1.34	0.00	Not required
	5/6GHz WLAN Main		1.184	0				
	WWAN Main	Back	0.156	0	196.8	1.71	0.01	Not required
	5/6GHz WLAN+BT Aux		1.552	0				
	5/6GHz WLAN Main	Back	1.184	0	183.8	2.74	0.02	Not required
	5/6GHz WLAN+BT Aux		1.552	0				
Case 37	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
	WWAN MIMO2	Back	0.174	0	196.8	1.36	0.01	Not required
	5/6GHz WLAN Main		1.184	0				
	WWAN MIMO2	Back	0.174	0	330.1	1.73	0.01	Not required
	5/6GHz WLAN+BT Aux		1.552	0				
	5/6GHz WLAN Main	Back	1.184	0	183.8	2.74	0.02	Not required
	5/6GHz WLAN+BT Aux		1.552	0				
Case 38	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
	WWAN MIMO3	Back	0.072	0	330.1	1.26	0.00	Not required
	5/6GHz WLAN Main		1.184	0				
	WWAN MIMO3	Back	0.072	0	196.8	1.62	0.01	Not required
	5/6GHz WLAN+BT Aux		1.552	0				
	5/6GHz WLAN Main	Back	1.184	0	183.8	2.74	0.02	Not required
	5/6GHz WLAN+BT Aux		1.552	0				
Case 39	Band	Position	SAR (W/kg)	Gap	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
	WWAN Aux	Back	0.076	0	196.8	1.26	0.01	Not required
	5/6GHz WLAN Main		1.184	0				
	WWAN Aux	Back	0.076	0	330.1	1.63	0.01	Not required
	5/6GHz WLAN+BT Aux		1.552	0				
	5/6GHz WLAN Main	Back	1.184	0	183.8	2.74	0.02	Not required
	5/6GHz WLAN+BT Aux		1.552	0				

Test Engineer : Mood Huang

19. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg. Therefore, the measurement uncertainty table is not required in this report.

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

20. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [5] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [6] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [7] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [8] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [9] SPEAG DASY System Handbook
- [10] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [11] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.