

【FR1 n2_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				373000	376000	379000	
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	23.05	23.12	23.08	25.00
30	PI/2 BPSK	1	80	23.31	23.35	23.34	25.00
30	PI/2 BPSK	1	158	23.08	23.12	23.13	25.00
30	PI/2 BPSK	80	0	22.74	22.78	22.77	24.50
30	PI/2 BPSK	80	40	23.19	23.21	23.22	25.00
30	PI/2 BPSK	80	80	22.60	22.64	22.63	24.50
30	PI/2 BPSK	160	0	22.64	22.66	22.66	24.50
30	QPSK	1	1	23.00	23.02	23.01	25.00
30	QPSK	1	80	23.27	23.29	23.30	25.00
30	QPSK	1	158	23.04	23.07	23.07	25.00
30	QPSK	80	0	22.24	22.28	22.29	24.00
30	QPSK	80	40	23.17	23.19	23.19	25.00
30	QPSK	80	80	22.26	22.30	22.30	24.00
30	QPSK	160	0	22.26	22.30	22.29	24.00
30	16QAM	1	1	22.00	22.02	22.01	24.00
30	64QAM	1	1	20.50	20.52	20.52	22.50
30	256QAM	1	1	18.87	18.90	18.91	20.50
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	PI/2 BPSK	1	1	23.01	23.09	23.04	25.00
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.04	23.01	23.00	25.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.01	23.07	23.01	25.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.03	23.01	23.06	25.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.02	23.02	23.07	25.00

【FR1 n2_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				373000	376000	379000	
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	23.17	23.26	23.18	25.00
30	PI/2 BPSK	1	80	23.38	23.58	23.43	25.00
30	PI/2 BPSK	1	158	23.00	23.19	23.04	25.00
30	PI/2 BPSK	80	0	22.72	22.82	22.72	24.50
30	PI/2 BPSK	80	40	23.31	23.41	23.29	25.00
30	PI/2 BPSK	80	80	22.68	22.82	22.69	24.50
30	PI/2 BPSK	160	0	22.61	22.81	22.67	24.50
30	QPSK	1	1	23.03	23.14	23.04	25.00
30	QPSK	1	80	23.30	23.50	23.39	25.00
30	QPSK	1	158	23.03	23.13	23.05	25.00
30	QPSK	80	0	22.14	22.30	22.11	24.00
30	QPSK	80	40	23.25	23.37	23.27	25.00
30	QPSK	80	80	22.19	22.30	22.18	24.00
30	QPSK	160	0	22.16	22.30	22.18	24.00
30	16QAM	1	1	22.03	22.17	22.00	24.00
30	64QAM	1	1	20.56	20.74	20.57	22.50
30	256QAM	1	1	19.02	19.17	19.02	20.50
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	PI/2 BPSK	1	1	23.14	23.18	23.09	25.00
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.04	23.11	23.04	25.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.15	23.22	23.08	25.00

Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	PI/2 BPSK	1	1	23.09	23.14	23.03	25.00
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	PI/2 BPSK	1	1	23.05	23.16	23.12	25.00

【FR1 n2_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				373000	376000	379000	
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	18.08	18.11	18.05	19.00
30	PI/2 BPSK	1	80	18.08	18.32	18.04	19.00
30	PI/2 BPSK	1	158	18.07	18.26	18.05	19.00
30	PI/2 BPSK	80	0	18.06	18.20	18.05	19.00
30	PI/2 BPSK	80	40	18.07	18.28	18.04	19.00
30	PI/2 BPSK	80	80	18.08	18.24	18.04	19.00
30	PI/2 BPSK	160	0	18.08	18.22	18.05	19.00
30	QPSK	1	1	18.00	18.06	17.99	19.00
30	QPSK	1	80	18.07	18.30	18.05	19.00
30	QPSK	1	158	18.08	18.23	18.02	19.00
30	QPSK	80	0	18.08	18.18	17.99	19.00
30	QPSK	80	40	18.07	18.26	18.05	19.00
30	QPSK	80	80	18.05	18.20	17.99	19.00
30	QPSK	160	0	18.08	18.22	18.03	19.00
30	16QAM	1	1	18.07	18.48	18.04	19.00
30	64QAM	1	1	17.72	17.83	17.67	19.00
30	256QAM	1	1	17.47	17.63	17.48	19.00
Channel				372500	376000	379500	Tune-up limit
Frequency (MHz)				1862.5	1880	1897.5	(dBm)
25	PI/2 BPSK	1	1	17.96	18.06	18.03	19.00
Channel				372000	376000	380000	Tune-up limit
Frequency (MHz)				1860	1880	1900	(dBm)
20	PI/2 BPSK	1	1	18.05	18.02	17.95	19.00
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	PI/2 BPSK	1	1	18.04	18.01	17.97	19.00
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	PI/2 BPSK	1	1	18.02	18.09	17.95	19.00
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	PI/2 BPSK	1	1	18.04	17.99	17.96	19.00

【FR1 n2_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				373000	376000	379000	
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	19.59	19.65	19.62	20.00
30	PI/2 BPSK	1	80	19.66	19.73	19.63	20.00
30	PI/2 BPSK	1	158	19.60	19.64	19.63	20.00
30	PI/2 BPSK	80	0	19.32	19.46	19.36	20.00
30	PI/2 BPSK	80	40	19.36	19.55	19.42	20.00
30	PI/2 BPSK	80	80	19.31	19.44	19.31	20.00
30	PI/2 BPSK	160	0	19.38	19.53	19.37	20.00
30	QPSK	1	1	19.19	19.38	19.18	20.00
30	QPSK	1	80	19.38	19.56	19.40	20.00
30	QPSK	1	158	19.18	19.36	19.19	20.00
30	QPSK	80	0	19.20	19.40	19.20	20.00
30	QPSK	80	40	19.37	19.47	19.31	20.00
30	QPSK	80	80	19.24	19.40	19.27	20.00
30	QPSK	160	0	19.28	19.40	19.29	20.00
30	16QAM	1	1	18.96	19.10	19.00	20.00
30	64QAM	1	1	18.90	19.09	18.98	20.00
30	256QAM	1	1	19.58	19.70	19.56	20.00
Channel				372500	376000	379500	Tune-up limit
Frequency (MHz)				1862.5	1880	1897.5	(dBm)
25	PI/2 BPSK	1	1	19.56	19.62	19.48	20.00

Channel				372000	376000	380000	Tune-up limit
Frequency (MHz)				1860	1880	1900	(dBm)
20	PI/2 BPSK	1	1	19.51	19.50	19.57	20.00
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	PI/2 BPSK	1	1	19.45	19.55	19.58	20.00
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	PI/2 BPSK	1	1	19.53	19.63	19.55	20.00
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	PI/2 BPSK	1	1	19.50	19.52	19.52	20.00

【FR1 n5_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					167300		
Frequency (MHz)					836.5		
25	PI/2 BPSK	1	1		23.36		25.00
25	PI/2 BPSK	1	64		23.71		25.00
25	PI/2 BPSK	1	131		23.63		25.00
25	PI/2 BPSK	64	0		23.05		24.50
25	PI/2 BPSK	64	33		23.60		25.00
25	PI/2 BPSK	64	65		23.00		24.50
25	PI/2 BPSK	128	0		23.22		24.50
25	QPSK	1	1		23.31		25.00
25	QPSK	1	64		23.56		25.00
25	QPSK	1	131		23.55		25.00
25	QPSK	64	0		22.55		24.00
25	QPSK	64	33		23.52		25.00
25	QPSK	64	65		22.46		24.00
25	QPSK	128	0		22.60		24.00
25	16QAM	1	1		22.03		24.00
25	64QAM	1	1		20.62		22.50
25	256QAM	1	1		19.33		20.50
Channel				166800	167300	167800	Tune-up limit
Frequency (MHz)				834	836.5	839	(dBm)
20	PI/2 BPSK	1	1	23.50	23.56	23.52	25.00
Channel				166300	167300	168300	Tune-up limit
Frequency (MHz)				831.5	836.5	841.5	(dBm)
15	PI/2 BPSK	1	1	23.45	23.47	23.47	25.00
Channel				165800	167300	168800	Tune-up limit
Frequency (MHz)				829	836.5	844	(dBm)
10	PI/2 BPSK	1	1	23.36	23.55	23.49	25.00
Channel				165300	167300	169300	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	PI/2 BPSK	1	1	23.40	23.53	23.45	25.00

【FR1 n5_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					167300		
Frequency (MHz)					836.5		
25	PI/2 BPSK	1	1		18.46		19.00
25	PI/2 BPSK	1	64		18.70		19.00
25	PI/2 BPSK	1	131		18.63		19.00
25	PI/2 BPSK	64	0		18.43		19.00
25	PI/2 BPSK	64	33		18.63		19.00
25	PI/2 BPSK	64	65		18.54		19.00
25	PI/2 BPSK	128	0		18.76		19.00
25	QPSK	1	1		18.39		19.00
25	QPSK	1	64		18.62		19.00
25	QPSK	1	131		18.51		19.00
25	QPSK	64	0		18.54		19.00
25	QPSK	64	33		18.58		19.00
25	QPSK	64	65		18.47		19.00
25	QPSK	128	0		18.69		19.00
25	16QAM	1	1		18.22		19.00
25	64QAM	1	1		18.17		19.00
25	256QAM	1	1		18.10		19.00

Channel				166800	167300	167800	Tune-up limit
Frequency (MHz)				834	836.5	839	(dBm)
20	PI/2 BPSK	1	1	18.38	18.45	18.42	19.00
Channel				166300	167300	168300	Tune-up limit
Frequency (MHz)				831.5	836.5	841.5	(dBm)
15	PI/2 BPSK	1	1	18.24	18.41	18.32	19.00
Channel				165800	167300	168800	Tune-up limit
Frequency (MHz)				829	836.5	844	(dBm)
10	PI/2 BPSK	1	1	18.24	18.34	18.31	19.00
Channel				165300	167300	169300	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	PI/2 BPSK	1	1	18.29	18.37	18.29	19.00

【FR1 n7_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				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	23.22	23.34	23.01	25.00
50	PI/2 BPSK	1	135	23.25	23.37	23.09	25.00
50	PI/2 BPSK	1	268	23.00	23.15	23.00	25.00
50	PI/2 BPSK	135	0	22.59	22.76	22.50	24.50
50	PI/2 BPSK	135	68	23.15	23.40	23.01	25.00
50	PI/2 BPSK	135	135	22.74	22.89	22.55	24.50
50	PI/2 BPSK	270	0	22.55	22.79	22.51	24.50
50	QPSK	1	1	23.13	23.35	23.01	25.00
50	QPSK	1	135	23.12	23.31	23.00	25.00
50	QPSK	1	268	23.00	23.11	23.00	25.00
50	QPSK	135	0	22.00	22.19	22.00	24.00
50	QPSK	135	68	23.19	23.37	23.01	25.00
50	QPSK	135	135	22.14	22.32	22.02	24.00
50	QPSK	270	0	22.06	22.24	22.00	24.00
50	16QAM	1	1	22.00	22.05	22.02	24.00
50	64QAM	1	1	20.50	20.54	20.52	22.50
50	256QAM	1	1	18.76	18.91	18.59	20.50
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	23.15	23.24	23.01	25.00
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	23.10	23.23	23.01	25.00
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	23.17	23.27	23.01	25.00
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	23.08	23.32	23.02	25.00
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	23.16	23.26	23.05	25.00
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	23.18	23.33	23.00	25.00
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	23.13	23.33	23.06	25.00

【FR1 n7_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				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	23.05	23.36	23.20	25.00
50	PI/2 BPSK	1	135	23.59	23.91	23.63	25.00
50	PI/2 BPSK	1	268	23.02	23.30	23.07	25.00
50	PI/2 BPSK	135	0	22.94	23.20	22.99	24.50
50	PI/2 BPSK	135	68	23.23	23.56	23.23	25.00
50	PI/2 BPSK	135	135	22.50	22.84	22.58	24.50
50	PI/2 BPSK	270	0	22.66	22.95	22.71	24.50
50	QPSK	1	1	23.03	23.27	23.00	25.00



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50	QPSK	1	135	23.20	23.45	23.12	25.00
50	QPSK	1	268	23.23	23.57	23.31	25.00
50	QPSK	135	0	22.30	22.54	22.31	24.00
50	QPSK	135	68	23.28	23.54	23.30	25.00
50	QPSK	135	135	22.28	22.54	22.26	24.00
50	QPSK	270	0	22.10	22.44	22.14	24.00
50	16QAM	1	1	22.00	22.03	22.02	24.00
50	64QAM	1	1	20.50	20.55	20.52	22.50
50	256QAM	1	1	18.80	19.08	18.82	20.50
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	23.03	23.30	23.17	25.00
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	23.01	23.26	23.09	25.00
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	23.00	23.27	23.06	25.00
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	23.00	23.22	23.11	25.00
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	23.00	23.34	23.09	25.00
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	23.02	23.33	23.13	25.00
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	23.00	23.29	23.17	25.00

【FR1 n7_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				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	15.28	15.33	15.24	17.00
50	PI/2 BPSK	1	135	15.27	15.71	15.24	17.00
50	PI/2 BPSK	1	268	15.28	15.53	15.23	17.00
50	PI/2 BPSK	135	0	15.28	15.52	15.23	17.00
50	PI/2 BPSK	135	68	15.28	15.61	15.23	17.00
50	PI/2 BPSK	135	135	15.28	15.47	15.24	17.00
50	PI/2 BPSK	270	0	15.27	15.49	15.24	17.00
50	QPSK	1	1	15.12	15.26	15.14	17.00
50	QPSK	1	135	15.27	15.63	15.24	17.00
50	QPSK	1	268	15.27	15.45	15.24	17.00
50	QPSK	135	0	15.27	15.43	15.23	17.00
50	QPSK	135	68	15.28	15.55	15.23	17.00
50	QPSK	135	135	15.28	15.42	15.24	17.00
50	QPSK	270	0	15.27	15.43	15.19	17.00
50	16QAM	1	1	15.08	15.26	15.07	17.00
50	64QAM	1	1	15.01	15.02	15.00	17.00
50	256QAM	1	1	15.27	15.52	15.24	17.00
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	15.23	15.20	15.13	17.00
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	15.22	15.19	15.11	17.00
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	15.24	15.32	15.21	17.00
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	15.17	15.24	15.15	17.00
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	15.21	15.23	15.14	17.00
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	15.20	15.28	15.20	17.00
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	15.13	15.29	15.12	17.00

【FR1 n7_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				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	18.20	18.36	18.28	19.50
50	PI/2 BPSK	1	135	18.57	18.84	18.62	19.50
50	PI/2 BPSK	1	268	18.19	18.35	18.23	19.50
50	PI/2 BPSK	135	0	18.35	18.48	18.30	19.50
50	PI/2 BPSK	135	68	18.50	18.80	18.55	19.50
50	PI/2 BPSK	135	135	18.47	18.63	18.44	19.50
50	PI/2 BPSK	270	0	18.37	18.54	18.40	19.50
50	QPSK	1	1	18.08	18.27	18.10	19.50
50	QPSK	1	135	18.42	18.53	18.39	19.50
50	QPSK	1	268	18.14	18.29	18.16	19.50
50	QPSK	135	0	18.31	18.47	18.28	19.50
50	QPSK	135	68	18.44	18.56	18.42	19.50
50	QPSK	135	135	18.49	18.60	18.49	19.50
50	QPSK	270	0	18.29	18.49	18.36	19.50
50	16QAM	1	1	17.87	18.05	17.93	19.50
50	64QAM	1	1	17.97	18.11	17.92	19.50
50	256QAM	1	1	18.56	18.74	18.55	19.50
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	18.11	18.29	18.23	19.50
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	18.15	18.31	18.20	19.50
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	18.15	18.23	18.21	19.50
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	18.11	18.25	18.21	19.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	18.14	18.28	18.15	19.50
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	18.10	18.28	18.22	19.50
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	18.12	18.29	18.14	19.50

【FR1 n25_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				374500	376500	378500	
Frequency (MHz)				1872.5	1882.5	1892.5	
45	PI/2 BPSK	1	1	23.34	23.35	23.31	25.00
45	PI/2 BPSK	1	120	23.34	23.57	23.31	25.00
45	PI/2 BPSK	1	240	23.25	23.32	23.24	25.00
45	PI/2 BPSK	120	0	23.05	23.16	23.10	24.50
45	PI/2 BPSK	120	60	23.34	23.60	23.30	25.00
45	PI/2 BPSK	120	120	23.00	23.04	22.89	24.50
45	PI/2 BPSK	240	0	22.96	23.00	22.84	24.50
45	QPSK	1	1	23.20	23.31	23.14	25.00
45	QPSK	1	120	23.32	23.53	23.31	25.00
45	QPSK	1	240	23.22	23.28	23.18	25.00
45	QPSK	120	0	22.51	22.65	22.46	24.00
45	QPSK	120	60	23.34	23.58	23.30	25.00
45	QPSK	120	120	22.62	22.65	22.55	24.00
45	QPSK	240	0	22.56	22.66	22.49	24.00
45	16QAM	1	1	22.16	22.31	22.20	24.00
45	64QAM	1	1	20.68	20.75	20.65	22.50
45	256QAM	1	1	19.11	19.26	19.08	20.50
Channel				374000	376500	379000	Tune-up limit (dBm)
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.31	23.25	23.18	25.00

Channel				373500	376500	379500	Tune-up limit
Frequency (MHz)				1867.5	1882.5	1897.5	(dBm)
35	PI/2 BPSK	1	1	23.31	23.32	23.20	25.00
Channel				373000	376500	380000	Tune-up limit
Frequency (MHz)				1865	1882.5	1900	(dBm)
30	PI/2 BPSK	1	1	23.25	23.30	23.19	25.00
Channel				372500	376500	380500	Tune-up limit
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)
25	PI/2 BPSK	1	1	23.23	23.21	23.24	25.00
Channel				372000	376500	381000	Tune-up limit
Frequency (MHz)				1860	1882.5	1905	(dBm)
20	PI/2 BPSK	1	1	23.24	23.25	23.26	25.00
Channel				371500	376500	381500	Tune-up limit
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)
15	PI/2 BPSK	1	1	23.26	23.25	23.18	25.00
Channel				371000	376500	382000	Tune-up limit
Frequency (MHz)				1855	1882.5	1910	(dBm)
10	PI/2 BPSK	1	1	23.22	23.25	23.21	25.00
Channel				370500	376500	382500	Tune-up limit
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)
5	PI/2 BPSK	1	1	23.29	23.24	23.26	25.00

【FR1 n25_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				374500	376500	378500	Tune-up limit
Frequency (MHz)				1872.5	1882.5	1892.5	
45	PI/2 BPSK	1	1	23.02	23.08	23.05	25.00
45	PI/2 BPSK	1	120	23.10	23.15	23.12	25.00
45	PI/2 BPSK	1	240	23.00	23.02	23.01	25.00
45	PI/2 BPSK	120	0	22.50	22.55	22.50	24.50
45	PI/2 BPSK	120	60	23.11	23.17	23.13	25.00
45	PI/2 BPSK	120	120	22.58	22.60	22.56	24.50
45	PI/2 BPSK	240	0	22.50	22.52	22.50	24.50
45	QPSK	1	1	23.47	23.50	23.48	25.00
45	QPSK	1	120	23.08	23.10	23.05	25.00
45	QPSK	1	240	23.01	23.03	23.00	25.00
45	QPSK	120	0	22.03	22.08	22.05	24.00
45	QPSK	120	60	23.08	23.11	23.08	25.00
45	QPSK	120	120	22.05	22.07	22.03	24.00
45	QPSK	240	0	22.00	22.02	22.00	24.00
45	16QAM	1	1	22.02	22.07	22.01	24.00
45	64QAM	1	1	20.52	20.55	20.52	22.50
45	256QAM	1	1	18.93	18.96	18.95	20.50
Channel				374000	376500	379000	Tune-up limit
Frequency (MHz)				1870	1882.5	1895	(dBm)
40	PI/2 BPSK	1	1	23.02	23.00	23.00	25.00
Channel				373500	376500	379500	Tune-up limit
Frequency (MHz)				1867.5	1882.5	1897.5	(dBm)
35	PI/2 BPSK	1	1	23.01	23.01	23.00	25.00
Channel				373000	376500	380000	Tune-up limit
Frequency (MHz)				1865	1882.5	1900	(dBm)
30	PI/2 BPSK	1	1	23.01	23.00	23.00	25.00
Channel				372500	376500	380500	Tune-up limit
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)
25	PI/2 BPSK	1	1	23.00	23.01	23.01	25.00
Channel				372000	376500	381000	Tune-up limit
Frequency (MHz)				1860	1882.5	1905	(dBm)
20	PI/2 BPSK	1	1	23.00	23.00	23.01	25.00
Channel				371500	376500	381500	Tune-up limit
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)
15	PI/2 BPSK	1	1	23.00	23.05	23.00	25.00
Channel				371000	376500	382000	Tune-up limit
Frequency (MHz)				1855	1882.5	1910	(dBm)
10	PI/2 BPSK	1	1	23.01	23.05	23.03	25.00
Channel				370500	376500	382500	Tune-up limit
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)
5	PI/2 BPSK	1	1	23.00	23.00	23.01	25.00

【FR1 n25_Main_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				374500	376500	378500	
Frequency (MHz)				1872.5	1882.5	1892.5	
45	PI/2 BPSK	1	1	18.39	18.43	18.40	19.00
45	PI/2 BPSK	1	120	18.39	18.55	18.39	19.00
45	PI/2 BPSK	1	240	18.39	18.51	18.40	19.00
45	PI/2 BPSK	120	0	18.38	18.51	18.40	19.00
45	PI/2 BPSK	120	60	18.38	18.59	18.40	19.00
45	PI/2 BPSK	120	120	18.38	18.56	18.39	19.00
45	PI/2 BPSK	240	0	18.39	18.53	18.40	19.00
45	QPSK	1	1	18.23	18.40	18.32	19.00
45	QPSK	1	120	18.39	18.57	18.40	19.00
45	QPSK	1	240	18.38	18.53	18.39	19.00
45	QPSK	120	0	18.38	18.56	18.40	19.00
45	QPSK	120	60	18.39	18.64	18.40	19.00
45	QPSK	120	120	18.39	18.60	18.38	19.00
45	QPSK	240	0	18.39	18.57	18.40	19.00
45	16QAM	1	1	18.03	18.15	18.02	19.00
45	64QAM	1	1	18.14	18.20	18.07	19.00
45	256QAM	1	1	18.38	18.82	18.39	19.00
Channel				374000	376500	379000	Tune-up limit
Frequency (MHz)				1870	1882.5	1895	(dBm)
40	PI/2 BPSK	1	1	18.27	18.33	18.37	19.00
Channel				373500	376500	379500	Tune-up limit
Frequency (MHz)				1867.5	1882.5	1897.5	(dBm)
35	PI/2 BPSK	1	1	18.26	18.38	18.28	19.00
Channel				373000	376500	380000	Tune-up limit
Frequency (MHz)				1865	1882.5	1900	(dBm)
30	PI/2 BPSK	1	1	18.30	18.40	18.30	19.00
Channel				372500	376500	380500	Tune-up limit
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)
25	PI/2 BPSK	1	1	18.38	18.31	18.37	19.00
Channel				372000	376500	381000	Tune-up limit
Frequency (MHz)				1860	1882.5	1905	(dBm)
20	PI/2 BPSK	1	1	18.27	18.32	18.39	19.00
Channel				371500	376500	381500	Tune-up limit
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)
15	PI/2 BPSK	1	1	18.33	18.29	18.29	19.00
Channel				371000	376500	382000	Tune-up limit
Frequency (MHz)				1855	1882.5	1910	(dBm)
10	PI/2 BPSK	1	1	18.37	18.41	18.37	19.00
Channel				370500	376500	382500	Tune-up limit
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)
5	PI/2 BPSK	1	1	18.29	18.38	18.28	19.00

【FR1 n25_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				374500	376500	378500	
Frequency (MHz)				1872.5	1882.5	1892.5	
45	PI/2 BPSK	1	1	19.38	19.46	19.44	20.00
45	PI/2 BPSK	1	120	19.44	19.58	19.52	20.00
45	PI/2 BPSK	1	240	19.34	19.49	19.35	20.00
45	PI/2 BPSK	120	0	19.50	19.65	19.60	20.00
45	PI/2 BPSK	120	60	19.59	19.70	19.65	20.00
45	PI/2 BPSK	120	120	19.28	19.43	19.30	20.00
45	PI/2 BPSK	240	0	19.35	19.52	19.44	20.00
45	QPSK	1	1	19.25	19.39	19.31	20.00
45	QPSK	1	120	19.40	19.52	19.47	20.00
45	QPSK	1	240	19.21	19.38	19.32	20.00
45	QPSK	120	0	19.41	19.59	19.54	20.00
45	QPSK	120	60	19.48	19.68	19.62	20.00
45	QPSK	120	120	19.22	19.40	19.27	20.00
45	QPSK	240	0	19.30	19.48	19.43	20.00
45	16QAM	1	1	19.05	19.18	19.07	20.00
45	64QAM	1	1	19.02	19.20	19.11	20.00
45	256QAM	1	1	19.66	19.82	19.76	20.00
Channel				374000	376500	379000	Tune-up limit
Frequency (MHz)				1870	1882.5	1895	(dBm)
40	PI/2 BPSK	1	1	19.25	19.34	19.38	20.00
Channel				373500	376500	379500	Tune-up limit
Frequency (MHz)				1867.5	1882.5	1897.5	(dBm)
35	PI/2 BPSK	1	1	19.31	19.42	19.42	20.00

Channel				373000	376500	380000	Tune-up limit
Frequency (MHz)				1865	1882.5	1900	(dBm)
30	PI/2 BPSK	1	1	19.26	19.36	19.31	20.00
Channel				372500	376500	380500	Tune-up limit
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)
25	PI/2 BPSK	1	1	19.28	19.32	19.31	20.00
Channel				372000	376500	381000	Tune-up limit
Frequency (MHz)				1860	1882.5	1905	(dBm)
20	PI/2 BPSK	1	1	19.36	19.38	19.39	20.00
Channel				371500	376500	381500	Tune-up limit
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)
15	PI/2 BPSK	1	1	19.36	19.42	19.29	20.00
Channel				371000	376500	382000	Tune-up limit
Frequency (MHz)				1855	1882.5	1910	(dBm)
10	PI/2 BPSK	1	1	19.27	19.35	19.38	20.00
Channel				370500	376500	382500	Tune-up limit
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)
5	PI/2 BPSK	1	1	19.31	19.44	19.31	20.00

【FR1 n30_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					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		21.78		22.98
10	PI/2 BPSK	1	26		21.80		22.98
10	PI/2 BPSK	1	50		21.86		22.98
10	PI/2 BPSK	25	0		21.85		22.48
10	PI/2 BPSK	25	14		21.86		22.98
10	PI/2 BPSK	25	27		21.81		22.48
10	PI/2 BPSK	50	0		21.85		22.48
10	QPSK	1	1		21.78		22.98
10	QPSK	1	26		21.80		22.98
10	QPSK	1	50		21.86		22.98
10	QPSK	25	0		21.87		21.98
10	QPSK	25	14		21.87		22.98
10	QPSK	25	27		21.82		21.98
10	QPSK	50	0		21.89		21.98
10	16QAM	1	1		21.54		21.98
10	64QAM	1	1		20.26		20.48
10	256QAM	1	1		20.27		20.48
Channel				461500	462000	462500	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	PI/2 BPSK	1	1	21.68	21.70	21.69	22.98

【FR1 n30_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					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		21.70		22.98
10	PI/2 BPSK	1	26		21.66		22.98
10	PI/2 BPSK	1	50		21.65		22.98
10	PI/2 BPSK	25	0		21.70		22.48
10	PI/2 BPSK	25	14		21.72		22.98
10	PI/2 BPSK	25	27		21.69		22.48
10	PI/2 BPSK	50	0		21.66		22.48
10	QPSK	1	1		21.64		22.98
10	QPSK	1	26		21.64		22.98
10	QPSK	1	50		21.69		22.98
10	QPSK	25	0		21.71		21.98
10	QPSK	25	14		21.69		22.98
10	QPSK	25	27		21.68		21.98
10	QPSK	50	0		21.70		21.98
10	16QAM	1	1		21.37		21.98
10	64QAM	1	1		19.93		20.48
10	256QAM	1	1		18.41		18.48
Channel				461500	462000	462500	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	PI/2 BPSK	1	1	21.60	21.65	21.64	22.98

【FR1 n30_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					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		19.94		20.50
10	PI/2 BPSK	1	26		19.97		20.50
10	PI/2 BPSK	1	50		20.05		20.50
10	PI/2 BPSK	25	0		19.91		20.50
10	PI/2 BPSK	25	14		19.94		20.50
10	PI/2 BPSK	25	27		19.90		20.50
10	PI/2 BPSK	50	0		19.94		20.50
10	QPSK	1	1		19.84		20.50
10	QPSK	1	26		19.85		20.50
10	QPSK	1	50		19.96		20.50
10	QPSK	25	0		19.97		20.50
10	QPSK	25	14		19.98		20.50
10	QPSK	25	27		19.93		20.50
10	QPSK	50	0		19.93		20.50
10	16QAM	1	1		19.61		20.50
10	64QAM	1	1		19.67		20.50
10	256QAM	1	1		19.42		20.50
Channel				461500	462000	462500	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	PI/2 BPSK	1	1	19.85	19.92	19.87	20.50

【FR1 n30_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					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		19.10		19.50
10	PI/2 BPSK	1	26		19.05		19.50
10	PI/2 BPSK	1	50		19.00		19.50
10	PI/2 BPSK	25	0		18.80		19.50
10	PI/2 BPSK	25	14		18.78		19.50
10	PI/2 BPSK	25	27		18.77		19.50
10	PI/2 BPSK	50	0		18.77		19.50
10	QPSK	1	1		18.68		19.50
10	QPSK	1	26		18.65		19.50
10	QPSK	1	50		18.76		19.50
10	QPSK	25	0		18.80		19.50
10	QPSK	25	14		18.78		19.50
10	QPSK	25	27		18.80		19.50
10	QPSK	50	0		18.78		19.50
10	16QAM	1	1		18.48		19.50
10	64QAM	1	1		18.45		19.50
10	256QAM	1	1		18.41		18.50
Channel				461500	462000	462500	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	PI/2 BPSK	1	1	18.98	19.08	19.02	19.50

【FR1 n38_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				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.21	23.36	23.09	25.00
40	PI/2 BPSK	1	53	23.28	23.38	23.15	25.00
40	PI/2 BPSK	1	104	23.00	23.19	23.00	25.00
40	PI/2 BPSK	50	0	22.50	22.59	22.52	24.50
40	PI/2 BPSK	50	28	23.15	23.37	23.05	25.00
40	PI/2 BPSK	50	56	22.51	22.61	22.50	24.50
40	PI/2 BPSK	100	0	22.50	22.67	22.51	24.50
40	QPSK	1	1	23.00	23.18	23.02	25.00

40	QPSK	1	53	23.01	23.15	23.02	25.00
40	QPSK	1	104	23.01	23.04	23.00	25.00
40	QPSK	50	0	22.00	22.12	22.00	24.00
40	QPSK	50	28	23.11	23.36	23.01	25.00
40	QPSK	50	56	22.02	22.10	22.00	24.00
40	QPSK	100	0	22.01	22.19	22.00	24.00
40	16QAM	1	1	22.00	22.02	22.00	24.00
40	64QAM	1	1	20.50	20.57	20.50	22.50
40	256QAM	1	1	18.51	18.59	18.51	20.50
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	23.14	23.35	23.00	25.00
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	23.08	23.28	23.02	25.00
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.19	23.21	23.03	25.00
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.18	23.31	23.01	25.00
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.09	23.25	23.00	25.00

【FR1 n38_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				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.12	23.33	23.22	25.00
40	PI/2 BPSK	1	53	23.18	23.38	23.27	25.00
40	PI/2 BPSK	1	104	23.00	23.28	23.09	25.00
40	PI/2 BPSK	50	0	22.80	23.03	22.82	24.50
40	PI/2 BPSK	50	28	23.00	23.21	23.00	25.00
40	PI/2 BPSK	50	56	22.60	22.86	22.70	24.50
40	PI/2 BPSK	100	0	22.81	23.04	22.81	24.50
40	QPSK	1	1	23.00	23.24	23.11	25.00
40	QPSK	1	53	23.00	23.22	23.01	25.00
40	QPSK	1	104	23.00	23.22	23.00	25.00
40	QPSK	50	0	22.19	22.43	22.19	24.00
40	QPSK	50	28	23.00	23.13	23.01	25.00
40	QPSK	50	56	22.06	22.28	22.09	24.00
40	QPSK	100	0	22.13	22.47	22.28	24.00
40	16QAM	1	1	22.00	22.16	22.01	24.00
40	64QAM	1	1	20.51	20.58	20.52	22.50
40	256QAM	1	1	18.54	18.74	18.61	20.50
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	23.07	23.31	23.08	25.00
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	23.07	23.29	23.14	25.00
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.03	23.29	23.19	25.00
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.01	23.30	23.14	25.00
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.00	23.27	23.14	25.00

【FR1 n38_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				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	14.52	14.55	14.52	16.50
40	PI/2 BPSK	1	53	15.50	15.56	15.51	16.50

40	PI/2 BPSK	1	104	14.51	14.73	14.51	16.50
40	PI/2 BPSK	50	0	14.52	15.11	14.51	16.50
40	PI/2 BPSK	50	28	14.52	15.37	14.52	16.50
40	PI/2 BPSK	50	56	14.51	15.14	14.52	16.50
40	PI/2 BPSK	100	0	14.51	15.19	14.50	16.50
40	QPSK	1	1	14.52	14.53	14.50	16.50
40	QPSK	1	53	15.42	15.52	15.44	16.50
40	QPSK	1	104	14.51	14.67	14.50	16.50
40	QPSK	50	0	14.52	15.11	14.52	16.50
40	QPSK	50	28	14.52	15.37	14.51	16.50
40	QPSK	50	56	14.52	15.13	14.52	16.50
40	QPSK	100	0	14.52	15.18	14.50	16.50
40	16QAM	1	1	14.52	14.52	14.50	16.50
40	64QAM	1	1	14.50	14.54	14.52	16.50
40	256QAM	1	1	14.52	14.92	14.50	16.50
Channel				517000	519000	521000	Tune-up limit
Frequency (MHz)				2585	2595	2605	(dBm)
30	PI/2 BPSK	1	1	14.51	14.50	14.50	16.50
Channel				516500	519000	521500	Tune-up limit
Frequency (MHz)				2582.5	2595	2607.5	(dBm)
25	PI/2 BPSK	1	1	14.50	14.51	14.50	16.50
Channel				516000	519000	522000	Tune-up limit
Frequency (MHz)				2580	2595	2610	(dBm)
20	PI/2 BPSK	1	1	14.51	14.51	14.51	16.50
Channel				515500	519000	522500	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	PI/2 BPSK	1	1	14.51	14.52	14.50	16.50
Channel				515000	519000	523000	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	PI/2 BPSK	1	1	14.50	14.51	14.51	16.50

【FR1 n38_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				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	17.36	17.46	17.40	18.50
40	PI/2 BPSK	1	53	18.25	18.39	18.32	18.50
40	PI/2 BPSK	1	104	17.52	17.64	17.53	18.50
40	PI/2 BPSK	50	0	17.85	17.88	17.82	18.50
40	PI/2 BPSK	50	28	18.09	18.20	18.18	18.50
40	PI/2 BPSK	50	56	17.96	17.99	17.90	18.50
40	PI/2 BPSK	100	0	17.89	17.93	17.93	18.50
40	QPSK	1	1	17.33	17.46	17.36	18.50
40	QPSK	1	53	18.22	18.36	18.27	18.50
40	QPSK	1	104	17.61	17.63	17.53	18.50
40	QPSK	50	0	17.83	17.90	17.86	18.50
40	QPSK	50	28	18.13	18.22	18.16	18.50
40	QPSK	50	56	17.98	18.00	18.01	18.50
40	QPSK	100	0	17.97	17.99	17.90	18.50
40	16QAM	1	1	17.24	17.27	17.20	18.50
40	64QAM	1	1	17.17	17.24	17.14	18.50
40	256QAM	1	1	17.78	17.88	17.86	18.50
Channel				517000	519000	521000	Tune-up limit
Frequency (MHz)				2585	2595	2605	(dBm)
30	PI/2 BPSK	1	1	17.24	17.38	17.34	18.50
Channel				516500	519000	521500	Tune-up limit
Frequency (MHz)				2582.5	2595	2607.5	(dBm)
25	PI/2 BPSK	1	1	17.33	17.38	17.31	18.50
Channel				516000	519000	522000	Tune-up limit
Frequency (MHz)				2580	2595	2610	(dBm)
20	PI/2 BPSK	1	1	17.21	17.41	17.35	18.50
Channel				515500	519000	522500	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	PI/2 BPSK	1	1	17.31	17.41	17.37	18.50
Channel				515000	519000	523000	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	PI/2 BPSK	1	1	17.22	17.32	17.35	18.50

【FR1 n41_FCC_Main_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.75	23.84	23.77	25.00
100	PI/2 BPSK	1	137	24.39	24.46	24.40	25.00
100	PI/2 BPSK	1	271	24.24	24.32	24.27	25.00
100	PI/2 BPSK	135	0	24.24	24.37	24.26	24.50
100	PI/2 BPSK	135	69	24.55	24.64	24.54	25.00
100	PI/2 BPSK	135	138	24.40	24.44	24.37	24.50
100	PI/2 BPSK	270	0	24.45	24.46	24.44	24.50
100	QPSK	1	1	23.54	23.77	23.60	25.00
100	QPSK	1	137	24.34	24.42	24.32	25.00
100	QPSK	1	271	24.09	24.29	24.19	25.00
100	QPSK	135	0	23.74	23.99	23.76	24.00
100	QPSK	135	69	24.45	24.62	24.55	25.00
100	QPSK	135	138	23.74	23.94	23.76	24.00
100	QPSK	270	0	23.75	23.95	23.73	24.00
100	16QAM	1	1	23.39	23.60	23.41	24.00
100	64QAM	1	1	21.91	22.07	21.89	22.50
100	256QAM	1	1	20.26	20.46	20.32	20.50
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	23.66	23.72	23.73	25.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	23.71	23.77	23.69	25.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	23.70	23.82	23.74	25.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	23.70	23.69	23.75	25.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	23.62	23.74	23.75	25.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	23.63	23.80	23.65	25.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	23.61	23.76	23.75	25.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	23.64	23.74	23.75	25.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	23.69	23.73	23.70	25.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	23.63	23.81	23.69	25.00

【FR1 n41 _FCC_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.45	23.77	23.10	25.00
100	PI/2 BPSK	1	137	24.03	24.27	23.97	25.00
100	PI/2 BPSK	1	271	23.95	24.22	23.95	25.00
100	PI/2 BPSK	135	0	23.79	24.08	23.81	24.50
100	PI/2 BPSK	135	69	24.16	24.46	24.15	25.00
100	PI/2 BPSK	135	138	24.17	24.42	24.17	24.50
100	PI/2 BPSK	270	0	24.00	24.22	23.87	24.50
100	QPSK	1	1	23.10	23.38	23.11	25.00
100	QPSK	1	137	23.88	24.12	23.77	25.00
100	QPSK	1	271	23.90	24.18	23.83	25.00
100	QPSK	135	0	23.69	24.00	23.69	24.00
100	QPSK	135	69	24.14	24.41	24.10	25.00
100	QPSK	135	138	23.78	24.00	23.72	24.00
100	QPSK	270	0	23.70	23.98	23.69	24.00
100	16QAM	1	1	22.92	23.16	22.81	24.00
100	64QAM	1	1	21.44	21.66	21.38	22.50
100	256QAM	1	1	19.96	20.18	19.92	20.50

Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	23.41	23.71	23.08	25.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	23.32	23.66	23.02	25.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	23.37	23.65	23.00	25.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	23.39	23.75	23.03	25.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	23.30	23.67	23.09	25.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	23.30	23.75	23.05	25.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	23.39	23.64	23.03	25.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	23.42	23.64	23.06	25.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	23.32	23.66	23.07	25.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	23.38	23.63	23.00	25.00

【FR1 n41_FCC_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.50	19.01	19.64	20.50
100	PI/2 BPSK	1	137	19.87	19.83	20.43	20.50
100	PI/2 BPSK	1	271	19.20	19.37	19.43	20.50
100	PI/2 BPSK	135	0	20.00	19.83	19.83	20.50
100	PI/2 BPSK	135	69	20.06	20.13	20.01	20.50
100	PI/2 BPSK	135	138	19.70	20.10	20.11	20.50
100	PI/2 BPSK	270	0	19.90	20.02	20.34	20.50
100	QPSK	1	1	19.43	18.95	19.60	20.50
100	QPSK	1	137	19.80	19.77	20.38	20.50
100	QPSK	1	271	19.17	19.32	19.39	20.50
100	QPSK	135	0	19.93	19.80	20.45	20.50
100	QPSK	135	69	20.00	20.06	20.00	20.50
100	QPSK	135	138	19.67	20.05	20.07	20.50
100	QPSK	270	0	19.84	19.99	20.30	20.50
100	16QAM	1	1	19.24	18.93	19.34	20.50
100	64QAM	1	1	19.28	18.90	19.26	20.50
100	256QAM	1	1	19.83	19.46	19.80	20.50
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	19.38	18.87	19.62	20.50
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	19.44	18.97	19.51	20.50
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	19.40	18.89	19.54	20.50
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	19.36	18.93	19.58	20.50
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	19.42	18.90	19.55	20.50
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	19.41	18.95	19.56	20.50
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	19.44	18.96	19.60	20.50

Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	19.40	18.87	19.52	20.50
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	19.48	18.87	19.52	20.50
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	19.41	18.92	19.52	20.50

【FR1 n41_FCC_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.23	16.03	16.61	18.00
100	PI/2 BPSK	1	137	16.97	17.18	17.46	18.00
100	PI/2 BPSK	1	271	16.92	16.54	16.85	18.00
100	PI/2 BPSK	135	0	16.74	16.74	17.46	18.00
100	PI/2 BPSK	135	69	17.10	17.30	17.63	18.00
100	PI/2 BPSK	135	138	17.09	17.25	17.37	18.00
100	PI/2 BPSK	270	0	16.89	17.02	17.43	18.00
100	QPSK	1	1	16.20	17.11	16.58	18.00
100	QPSK	1	137	16.91	16.48	17.40	18.00
100	QPSK	1	271	16.88	16.71	16.80	18.00
100	QPSK	135	0	16.71	17.25	17.40	18.00
100	QPSK	135	69	17.06	17.22	17.57	18.00
100	QPSK	135	138	17.03	16.98	17.33	18.00
100	QPSK	270	0	16.82	17.11	17.39	18.00
100	16QAM	1	1	16.08	16.02	16.47	18.00
100	64QAM	1	1	16.08	16.00	16.47	18.00
100	256QAM	1	1	16.23	16.45	16.61	18.00
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	16.14	16.00	16.48	18.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	16.11	16.01	16.49	18.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	16.21	16.01	16.50	18.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	16.13	16.00	16.52	18.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	16.12	16.00	16.48	18.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	16.14	16.01	16.54	18.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	16.09	16.00	16.47	18.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	16.14	16.00	16.59	18.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	16.14	16.00	16.48	18.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	16.11	16.00	16.59	18.00

【FR1 n41_FCC_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.50	25.51	25.51	27.50
100	PI/2 BPSK	1	137	25.52	26.01	25.51	27.50



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100	PI/2 BPSK	1	271	25.50	25.88	25.51	27.50
100	PI/2 BPSK	135	0	25.36	25.42	25.31	27.00
100	PI/2 BPSK	135	69	25.50	26.21	25.50	27.50
100	PI/2 BPSK	135	138	25.50	25.61	25.49	27.00
100	PI/2 BPSK	270	0	25.46	25.55	25.46	27.00
100	QPSK	1	1	25.52	25.52	25.51	27.50
100	QPSK	1	137	25.50	25.89	25.50	27.50
100	QPSK	1	271	25.50	25.79	25.51	27.50
100	QPSK	135	0	24.89	24.91	24.80	26.50
100	QPSK	135	69	25.80	26.18	25.71	27.50
100	QPSK	135	138	24.99	25.09	24.96	26.50
100	QPSK	270	0	24.98	25.04	24.98	26.50
100	16QAM	1	1	24.51	24.59	24.50	26.50
100	64QAM	1	1	23.02	23.10	23.01	25.00
100	256QAM	1	1	21.02	21.01	21.02	23.00
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	25.52	25.51	25.51	27.50
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	25.50	25.50	25.50	27.50
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	25.50	25.50	25.51	27.50
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	25.50	25.50	25.51	27.50
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	25.50	25.50	25.51	27.50
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	25.50	25.50	25.51	27.50
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	25.51	25.51	25.52	27.50
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	25.51	25.50	25.50	27.50
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	25.51	25.50	25.52	27.50
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	25.50	25.50	25.50	27.50

【FR1 n41 _ FCC_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.60	25.66	25.52	27.50
100	PI/2 BPSK	1	137	25.90	26.05	25.86	27.50
100	PI/2 BPSK	1	271	25.61	25.76	25.58	27.50
100	PI/2 BPSK	135	0	25.10	25.22	25.09	27.00
100	PI/2 BPSK	135	69	25.92	26.11	25.95	27.50
100	PI/2 BPSK	135	138	25.33	25.50	25.35	27.00
100	PI/2 BPSK	270	0	25.23	25.35	25.19	27.00
100	QPSK	1	1	25.51	25.52	25.50	27.50
100	QPSK	1	137	25.70	25.80	25.68	27.50
100	QPSK	1	271	25.52	25.56	25.50	27.50
100	QPSK	135	0	24.55	24.65	24.51	26.50
100	QPSK	135	69	25.91	26.06	25.94	27.50
100	QPSK	135	138	24.81	24.95	24.78	26.50
100	QPSK	270	0	24.61	24.81	24.70	26.50
100	16QAM	1	1	24.53	24.57	24.52	26.50
100	64QAM	1	1	23.01	23.02	23.00	25.00
100	256QAM	1	1	21.02	21.03	21.00	23.00
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	25.50	25.52	25.50	27.50
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	25.56	25.57	25.52	27.50



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Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	25.50	25.60	25.50	27.50
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	25.52	25.60	25.50	27.50
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	25.55	25.51	25.51	27.50
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	25.54	25.64	25.50	27.50
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	25.50	25.58	25.51	27.50
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	25.51	25.63	25.52	27.50
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	25.59	25.63	25.50	27.50
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	25.51	25.58	25.51	27.50

【FR1 n41 _ FCC_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.26	22.93	22.68	23.50
100	PI/2 BPSK	1	137	23.20	22.95	22.67	23.50
100	PI/2 BPSK	1	271	22.32	22.11	22.03	23.50
100	PI/2 BPSK	135	0	23.25	23.12	22.83	23.50
100	PI/2 BPSK	135	69	23.26	23.33	23.09	23.50
100	PI/2 BPSK	135	138	22.35	22.06	22.00	23.50
100	PI/2 BPSK	270	0	22.94	22.73	22.45	23.50
100	QPSK	1	1	23.18	22.90	22.67	23.50
100	QPSK	1	137	22.23	22.06	22.00	23.50
100	QPSK	1	271	23.26	23.06	22.80	23.50
100	QPSK	135	0	23.24	23.28	23.05	23.50
100	QPSK	135	69	22.31	22.01	22.00	23.50
100	QPSK	135	138	22.92	22.70	22.45	23.50
100	QPSK	270	0	23.10	22.90	22.61	23.50
100	16QAM	1	1	22.96	22.68	22.44	23.50
100	64QAM	1	1	23.06	22.78	22.54	23.50
100	256QAM	1	1	22.92	22.64	22.39	23.50
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	23.12	22.89	22.63	23.50
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	23.21	22.82	22.54	23.50
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	23.23	22.88	22.64	23.50
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	23.23	22.80	22.61	23.50
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	23.16	22.83	22.55	23.50
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	23.24	22.90	22.62	23.50
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	23.15	22.82	22.55	23.50
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	23.18	22.79	22.64	23.50
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	23.17	22.85	22.64	23.50

Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.14	22.86	22.66	

【FR1 n41 __FCC_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.75	19.25	20.10	21.00
100	PI/2 BPSK	1	137	20.47	20.65	20.95	21.00
100	PI/2 BPSK	1	271	20.41	20.04	20.36	21.00
100	PI/2 BPSK	135	0	20.29	20.35	20.96	21.00
100	PI/2 BPSK	135	69	20.62	20.86	20.98	21.00
100	PI/2 BPSK	135	138	20.61	20.81	20.91	21.00
100	PI/2 BPSK	270	0	20.46	20.61	20.97	21.00
100	QPSK	1	1	19.68	19.22	20.04	21.00
100	QPSK	1	137	20.41	20.59	20.91	21.00
100	QPSK	1	271	20.35	19.99	20.29	21.00
100	QPSK	135	0	20.23	20.31	20.88	21.00
100	QPSK	135	69	20.55	20.79	20.93	21.00
100	QPSK	135	138	20.55	20.76	20.85	21.00
100	QPSK	270	0	20.42	20.54	20.89	21.00
100	16QAM	1	1	19.75	19.42	20.09	21.00
100	64QAM	1	1	19.73	19.37	20.10	21.00
100	256QAM	1	1	19.68	19.31	20.06	21.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.66	19.14	20.08	21.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.62	19.15	20.05	21.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.66	19.13	20.06	21.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.63	19.22	19.95	21.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.69	19.11	19.95	21.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.62	19.14	19.98	21.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.61	19.20	20.09	21.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.74	19.19	20.07	21.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.62	19.17	19.96	21.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.73	19.17	20.03	21.00

【FR1 n41 __FCC_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	14.74	14.85	14.79	16.50
100	PI/2 BPSK	1	137	15.13	15.26	15.21	16.50
100	PI/2 BPSK	1	271	15.12	15.22	15.20	16.50
100	PI/2 BPSK	135	0	15.14	15.26	15.11	16.50
100	PI/2 BPSK	135	69	15.53	15.67	15.55	16.50
100	PI/2 BPSK	135	138	15.22	15.45	15.28	16.50
100	PI/2 BPSK	270	0	15.23	15.39	15.21	16.50
100	QPSK	1	1	14.62	14.85	14.70	16.50



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100	QPSK	1	137	15.24	15.26	15.16	16.50
100	QPSK	1	271	15.22	15.27	15.20	16.50
100	QPSK	135	0	15.21	15.29	15.18	16.50
100	QPSK	135	69	15.41	15.51	15.38	16.50
100	QPSK	135	138	15.42	15.50	15.41	16.50
100	QPSK	270	0	15.40	15.43	15.39	16.50
100	16QAM	1	1	14.51	14.65	14.50	16.50
100	64QAM	1	1	14.50	14.74	14.66	16.50
100	256QAM	1	1	14.74	15.38	14.78	16.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	14.69	14.84	14.78	16.50
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	14.60	14.83	14.77	16.50
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	14.69	14.75	14.77	16.50
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	14.72	14.82	14.69	16.50
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	14.73	14.71	14.66	16.50
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	14.63	14.77	14.68	16.50
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	14.68	14.82	14.77	16.50
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	14.65	14.73	14.70	16.50
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	14.63	14.81	14.69	16.50
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	14.71	14.74	14.68	16.50

【FR1 n41_FCC_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.42	17.48	17.12	18.50
100	PI/2 BPSK	1	137	17.81	17.88	17.69	18.50
100	PI/2 BPSK	1	271	17.77	17.82	17.63	18.50
100	PI/2 BPSK	135	0	17.91	17.95	17.76	18.50
100	PI/2 BPSK	135	69	18.13	18.25	18.04	18.50
100	PI/2 BPSK	135	138	18.11	18.18	18.04	18.50
100	PI/2 BPSK	270	0	18.09	18.20	18.01	18.50
100	QPSK	1	1	17.31	17.41	17.20	18.50
100	QPSK	1	137	17.74	17.81	17.67	18.50
100	QPSK	1	271	17.69	17.77	17.58	18.50
100	QPSK	135	0	17.84	17.92	17.71	18.50
100	QPSK	135	69	18.17	18.22	18.02	18.50
100	QPSK	135	138	18.01	18.12	17.98	18.50
100	QPSK	270	0	18.00	18.14	17.93	18.50
100	16QAM	1	1	17.01	17.06	16.93	18.50
100	64QAM	1	1	16.86	16.96	16.82	18.50
100	256QAM	1	1	17.57	17.70	17.51	18.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.39	17.45	16.98	18.50
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.41	17.43	17.02	18.50
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	17.29	17.35	17.07	18.50
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.38	17.35	17.07	18.50

Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	17.30	17.34	17.06	18.50
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	17.34	17.33	17.04	18.50
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	17.37	17.43	17.09	18.50
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	17.36	17.35	17.03	18.50
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	17.33	17.39	17.03	18.50
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	17.38	17.46	17.02	18.50

【FR1 n41_FCC_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.41	18.58	18.48	19.50
100	PI/2 BPSK	1	137	18.53	18.93	18.48	19.50
100	PI/2 BPSK	1	271	18.51	19.22	18.47	19.50
100	PI/2 BPSK	135	0	18.84	18.96	18.48	19.50
100	PI/2 BPSK	135	69	18.84	19.21	19.00	19.50
100	PI/2 BPSK	135	138	18.99	19.20	18.94	19.50
100	PI/2 BPSK	270	0	18.94	19.13	19.00	19.50
100	QPSK	1	1	18.25	18.49	18.35	19.50
100	QPSK	1	137	18.41	18.91	18.78	19.50
100	QPSK	1	271	18.69	18.93	18.48	19.50
100	QPSK	135	0	18.77	18.98	18.47	19.50
100	QPSK	135	69	18.75	19.21	18.66	19.50
100	QPSK	135	138	18.92	19.20	18.84	19.50
100	QPSK	270	0	18.90	19.15	18.92	19.50
100	16QAM	1	1	18.76	18.86	18.48	19.50
100	64QAM	1	1	18.41	18.72	18.48	19.50
100	256QAM	1	1	18.41	18.72	18.48	19.50
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	18.29	18.44	18.35	19.50
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	18.30	18.46	18.42	19.50
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	18.33	18.53	18.34	19.50
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	18.28	18.54	18.40	19.50
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	18.40	18.52	18.39	19.50
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	18.37	18.47	18.36	19.50
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	18.35	18.43	18.44	19.50
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	18.36	18.51	18.42	19.50
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	18.37	18.56	18.40	19.50
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	18.32	18.56	18.37	19.50

【FR1 n41 FCC_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.48	20.50	19.88	21.50
100	PI/2 BPSK	1	137	20.95	21.00	20.42	21.50
100	PI/2 BPSK	1	271	20.89	20.96	20.36	21.50
100	PI/2 BPSK	135	0	20.92	21.03	20.39	21.50
100	PI/2 BPSK	135	69	21.35	21.43	20.82	21.50
100	PI/2 BPSK	135	138	21.23	21.34	20.70	21.50
100	PI/2 BPSK	270	0	21.14	21.22	20.61	21.50
100	QPSK	1	1	20.32	20.43	19.79	21.50
100	QPSK	1	137	20.88	20.95	20.35	21.50
100	QPSK	1	271	20.86	20.91	20.33	21.50
100	QPSK	135	0	20.96	21.01	20.43	21.50
100	QPSK	135	69	21.30	21.38	20.77	21.50
100	QPSK	135	138	21.25	21.30	20.72	21.50
100	QPSK	270	0	21.11	21.18	20.58	21.50
100	16QAM	1	1	20.42	20.51	19.89	21.50
100	64QAM	1	1	20.32	20.42	19.79	21.50
100	256QAM	1	1	20.30	20.35	19.77	21.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.33	20.37	19.73	21.50
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.37	20.42	19.77	21.50
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.34	20.38	19.86	21.50
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.45	20.47	19.82	21.50
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.39	20.40	19.85	21.50
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.41	20.36	19.85	21.50
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.43	20.43	19.85	21.50
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.41	20.46	19.86	21.50
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.40	20.41	19.76	21.50
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.41	20.43	19.77	21.50

【FR1 n48 FCC_Part 96 IC_RSS-192 (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	20.52	20.61	20.54	22.00
100	PI/2 BPSK	1	137	21.32	21.44	21.34	22.00
100	PI/2 BPSK	1	271	20.52	20.75	20.54	22.00
100	PI/2 BPSK	135	0	21.12	21.31	21.21	22.00
100	PI/2 BPSK	135	69	21.41	21.48	20.53	22.00
100	PI/2 BPSK	135	138	21.12	21.21	21.13	22.00
100	PI/2 BPSK	270	0	21.12	21.17	21.15	22.00
100	QPSK	1	1	20.45	20.60	20.51	22.00
100	QPSK	1	137	21.11	21.25	21.12	22.00
100	QPSK	1	271	20.50	20.71	20.54	22.00
100	QPSK	135	0	21.22	21.30	21.22	22.00
100	QPSK	135	69	21.27	21.47	21.22	22.00
100	QPSK	135	138	21.09	21.12	21.10	22.00
100	QPSK	270	0	21.15	21.18	21.14	22.00



FCC SAR TEST REPORT

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100	16QAM	1	1	20.16	20.39	20.18	21.00
100	64QAM	1	1	19.33	19.49	19.39	19.50
100	256QAM	1	1	17.22	17.44	17.30	17.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	20.43	20.59	20.41	22.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	20.48	20.46	20.42	22.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	20.47	20.52	20.51	22.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	20.42	20.53	20.42	22.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	20.41	20.56	20.52	22.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	20.41	20.59	20.47	22.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	20.51	20.50	20.39	22.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	20.49	20.49	20.43	22.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	20.45	20.59	20.52	22.00

【FR1 n48 FCC Part 96 IC RSS-192 (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	20.73	20.53	20.25	22.00
100	PI/2 BPSK	1	137	21.16	20.96	20.76	22.00
100	PI/2 BPSK	1	271	20.00	20.12	20.01	22.00
100	PI/2 BPSK	135	0	21.30	21.12	20.98	21.50
100	PI/2 BPSK	135	69	21.33	21.14	21.03	22.00
100	PI/2 BPSK	135	138	20.92	20.82	20.51	21.50
100	PI/2 BPSK	270	0	21.12	20.99	20.83	21.50
100	QPSK	1	1	20.71	20.57	20.40	22.00
100	QPSK	1	137	21.12	20.97	20.80	22.00
100	QPSK	1	271	20.02	20.02	20.03	22.00
100	QPSK	135	0	21.00	20.77	20.66	21.00
100	QPSK	135	69	21.33	21.11	20.92	22.00
100	QPSK	135	138	20.94	20.80	20.63	21.00
100	QPSK	270	0	20.98	20.75	20.66	21.00
100	16QAM	1	1	20.52	20.38	20.19	21.00
100	64QAM	1	1	19.48	19.30	19.08	19.50
100	256QAM	1	1	18.50	18.33	18.20	18.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	20.60	20.48	20.19	22.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	20.69	20.44	20.12	22.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	20.63	20.44	20.22	22.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	20.68	20.50	20.17	22.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	20.70	20.46	20.11	22.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	20.64	20.44	20.12	22.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	20.70	20.52	20.24	22.00

Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	20.64	20.46	20.17	22.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	20.72	20.40	20.20	22.00

【FR1 n48_FCC_Part 96 IC_RSS-192 (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	14.07	14.15	14.13	15.00
100	PI/2 BPSK	1	137	14.67	14.71	14.63	15.00
100	PI/2 BPSK	1	271	14.10	14.17	14.09	15.00
100	PI/2 BPSK	135	0	14.58	14.66	14.58	15.00
100	PI/2 BPSK	135	69	14.73	14.79	14.73	15.00
100	PI/2 BPSK	135	138	14.54	14.56	14.54	15.00
100	PI/2 BPSK	270	0	14.63	14.65	14.59	15.00
100	QPSK	1	1	14.04	14.07	13.99	15.00
100	QPSK	1	137	14.60	14.63	14.61	15.00
100	QPSK	1	271	14.07	14.14	14.10	15.00
100	QPSK	135	0	14.54	14.58	14.54	15.00
100	QPSK	135	69	14.66	14.72	14.64	15.00
100	QPSK	135	138	14.42	14.50	14.44	15.00
100	QPSK	270	0	14.50	14.55	14.51	15.00
100	16QAM	1	1	13.82	13.85	13.82	15.00
100	64QAM	1	1	13.88	13.91	13.87	15.00
100	256QAM	1	1	14.39	14.47	14.40	15.00
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	13.98	14.00	14.07	15.00
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	13.94	14.04	14.10	15.00
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	13.99	14.07	14.11	15.00
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	13.96	14.12	14.01	15.00
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	14.01	14.02	14.01	15.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	14.00	14.07	14.04	15.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	14.06	14.08	14.00	15.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	14.04	14.14	14.11	15.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	13.95	14.01	14.05	15.00

【FR1 n48_FCC_Part 96 IC_RSS-192 (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	13.60	13.49	13.29	14.50
100	PI/2 BPSK	1	137	13.83	13.69	13.48	14.50
100	PI/2 BPSK	1	271	12.53	12.53	12.54	14.50
100	PI/2 BPSK	135	0	12.95	12.79	12.67	14.50
100	PI/2 BPSK	135	69	13.94	13.77	13.60	14.50
100	PI/2 BPSK	135	138	13.60	13.43	13.27	14.50
100	PI/2 BPSK	270	0	13.79	13.63	13.43	14.50
100	QPSK	1	1	13.55	13.38	13.28	14.50

100	QPSK	1	137	13.81	13.63	13.49	14.50
100	QPSK	1	271	12.57	12.55	12.51	14.50
100	QPSK	135	0	12.92	12.76	12.64	14.50
100	QPSK	135	69	13.91	13.75	13.65	14.50
100	QPSK	135	138	13.55	13.33	13.20	14.50
100	QPSK	270	0	13.75	13.55	13.46	14.50
100	16QAM	1	1	12.97	12.80	12.70	14.50
100	64QAM	1	1	12.94	12.77	12.65	14.50
100	256QAM	1	1	13.52	13.32	13.26	14.50
Channel				639668	641666	643666	Tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	13.49	13.43	13.28	14.50
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	13.53	13.35	13.18	14.50
Channel				638668	641666	644666	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	13.53	13.37	13.16	14.50
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	13.56	13.37	13.19	14.50
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	13.57	13.35	13.20	14.50
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	13.54	13.44	13.28	14.50
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	13.59	13.35	13.17	14.50
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	13.49	13.35	13.27	14.50
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	13.54	13.41	13.16	14.50

【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	23.14	23.15	23.11	25.00
45	PI/2 BPSK	1	120	23.14	23.24	23.07	25.00
45	PI/2 BPSK	1	240	23.03	23.05	23.00	25.00
45	PI/2 BPSK	120	0	22.74	22.77	22.60	24.50
45	PI/2 BPSK	120	60	23.09	23.24	23.11	25.00
45	PI/2 BPSK	120	120	22.71	22.76	22.69	24.50
45	PI/2 BPSK	240	0	22.61	22.75	22.66	24.50
45	QPSK	1	1	23.00	23.08	23.00	25.00
45	QPSK	1	120	23.11	23.21	23.05	25.00
45	QPSK	1	240	23.00	23.02	23.00	25.00
45	QPSK	120	0	22.14	22.22	22.08	24.00
45	QPSK	120	60	23.09	23.21	23.10	25.00
45	QPSK	120	120	22.12	22.22	22.13	24.00
45	QPSK	240	0	22.19	22.22	22.12	24.00
45	16QAM	1	1	22.00	22.03	22.00	24.00
45	64QAM	1	1	20.51	20.56	20.51	22.50
45	256QAM	1	1	18.85	18.98	18.93	20.50
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	23.13	23.09	23.02	25.00
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	23.00	23.03	23.02	25.00
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	23.00	23.04	23.05	25.00
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	23.05	23.02	23.07	25.00
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	23.03	23.08	23.10	25.00

Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	23.06	23.05	23.00	25.00
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	23.04	23.11	23.02	25.00
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	23.01	23.03	23.01	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	23.02	23.08	23.04	25.00
45	PI/2 BPSK	1	120	23.02	23.04	23.00	25.00
45	PI/2 BPSK	1	240	23.00	23.02	23.00	25.00
45	PI/2 BPSK	120	0	22.52	22.56	22.50	24.50
45	PI/2 BPSK	120	60	23.01	23.02	23.00	25.00
45	PI/2 BPSK	120	120	22.51	22.52	22.51	24.50
45	PI/2 BPSK	240	0	22.50	22.57	22.51	24.50
45	QPSK	1	1	23.01	23.04	23.00	25.00
45	QPSK	1	120	23.02	23.02	23.02	25.00
45	QPSK	1	240	23.00	23.01	23.01	25.00
45	QPSK	120	0	22.02	22.20	22.06	24.00
45	QPSK	120	60	23.00	23.03	23.00	25.00
45	QPSK	120	120	22.06	22.22	22.12	24.00
45	QPSK	240	0	22.04	22.17	22.03	24.00
45	16QAM	1	1	22.00	22.07	22.00	24.00
45	64QAM	1	1	20.52	20.54	20.51	22.50
45	256QAM	1	1	18.69	18.77	18.67	20.50
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	23.00	23.00	23.00	25.00
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	23.02	23.00	23.02	25.00
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	23.00	23.01	23.01	25.00
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	23.00	23.06	23.02	25.00
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	23.01	23.00	23.01	25.00
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	23.00	23.06	23.01	25.00
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	23.02	23.01	23.01	25.00
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	23.00	23.00	23.00	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	20.05	20.18	20.00	20.50
45	PI/2 BPSK	1	120	19.89	20.13	19.82	20.50
45	PI/2 BPSK	1	240	19.92	20.17	19.95	20.50
45	PI/2 BPSK	120	0	19.99	20.16	19.94	20.50
45	PI/2 BPSK	120	60	20.04	20.20	20.00	20.50
45	PI/2 BPSK	120	120	20.00	20.19	19.90	20.50
45	PI/2 BPSK	240	0	20.05	20.20	19.98	20.50
45	QPSK	1	1	19.80	20.04	19.76	20.50

45	QPSK	1	120	19.76	20.00	19.78	20.50
45	QPSK	1	240	19.86	20.03	19.76	20.50
45	QPSK	120	0	20.00	20.17	19.93	20.50
45	QPSK	120	60	19.96	20.17	19.97	20.50
45	QPSK	120	120	19.92	20.18	19.96	20.50
45	QPSK	240	0	19.92	20.19	19.95	20.50
45	16QAM	1	1	19.68	19.83	19.52	20.50
45	64QAM	1	1	19.65	19.86	19.60	20.50
45	256QAM	1	1	19.76	19.98	19.73	20.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	19.93	20.10	19.87	20.50
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	20.03	20.13	19.93	20.50
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	19.99	20.09	19.85	20.50
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	19.91	20.11	19.88	20.50
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	19.97	20.12	19.85	20.50
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	19.99	20.06	19.93	20.50
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	19.99	20.11	19.98	20.50
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	19.91	20.11	19.86	20.50

【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	18.93	19.17	19.02	19.50
45	PI/2 BPSK	1	120	18.81	19.03	18.90	19.50
45	PI/2 BPSK	1	240	18.67	18.94	18.81	19.50
45	PI/2 BPSK	120	0	18.98	19.18	19.07	19.50
45	PI/2 BPSK	120	60	18.90	19.11	19.01	19.50
45	PI/2 BPSK	120	120	18.81	19.08	19.01	19.50
45	PI/2 BPSK	240	0	18.92	19.16	19.02	19.50
45	QPSK	1	1	18.62	18.85	18.68	19.50
45	QPSK	1	120	18.67	18.84	18.75	19.50
45	QPSK	1	240	18.63	18.81	18.62	19.50
45	QPSK	120	0	18.90	19.15	18.97	19.50
45	QPSK	120	60	18.85	19.11	18.97	19.50
45	QPSK	120	120	18.84	19.10	18.98	19.50
45	QPSK	240	0	18.89	19.15	19.01	19.50
45	16QAM	1	1	18.49	18.67	18.52	19.50
45	64QAM	1	1	18.46	18.64	18.51	19.50
45	256QAM	1	1	18.93	19.31	19.02	19.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.87	19.00	18.91	19.50
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	18.78	18.99	18.89	19.50
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.79	19.03	18.87	19.50
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	18.86	18.93	18.93	19.50
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.82	18.98	18.88	19.50
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.89	19.02	18.99	19.50

Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	18.80	19.06	18.92	19.50
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	18.87	19.05	18.94	19.50

【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	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.39	23.49	23.42	25.00
20	PI/2 BPSK	1	53	23.39	23.68	23.42	25.00
20	PI/2 BPSK	1	104	23.38	23.63	23.42	25.00
20	PI/2 BPSK	50	0	22.90	23.05	22.85	24.50
20	PI/2 BPSK	50	28	23.39	23.68	23.40	25.00
20	PI/2 BPSK	50	56	23.00	23.15	23.05	24.50
20	PI/2 BPSK	100	0	22.92	23.12	22.92	24.50
20	QPSK	1	1	23.26	23.42	23.31	25.00
20	QPSK	1	53	23.35	23.57	23.39	25.00
20	QPSK	1	104	23.38	23.56	23.40	25.00
20	QPSK	50	0	22.31	22.51	22.32	24.00
20	QPSK	50	28	23.38	23.58	23.41	25.00
20	QPSK	50	56	22.40	22.60	22.45	24.00
20	QPSK	100	0	22.34	22.58	22.48	24.00
20	16QAM	1	1	22.06	22.18	22.06	24.00
20	64QAM	1	1	20.65	20.86	20.69	22.50
20	256QAM	1	1	19.29	19.47	19.39	20.50
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.34	23.41	23.31	25.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.27	23.40	23.40	25.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.26	23.48	23.29	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	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	17.50	17.58	17.54	19.00
20	PI/2 BPSK	1	53	17.50	17.73	17.54	19.00
20	PI/2 BPSK	1	104	17.50	17.70	17.54	19.00
20	PI/2 BPSK	50	0	17.40	17.61	17.45	19.00
20	PI/2 BPSK	50	28	17.50	17.69	17.51	19.00
20	PI/2 BPSK	50	56	17.46	17.68	17.53	19.00
20	PI/2 BPSK	100	0	17.50	17.65	17.53	19.00
20	QPSK	1	1	17.33	17.52	17.38	19.00
20	QPSK	1	53	17.47	17.63	17.51	19.00
20	QPSK	1	104	17.48	17.66	17.50	19.00
20	QPSK	50	0	17.43	17.58	17.46	19.00
20	QPSK	50	28	17.50	17.66	17.50	19.00
20	QPSK	50	56	17.45	17.65	17.48	19.00
20	QPSK	100	0	17.48	17.62	17.54	19.00
20	16QAM	1	1	17.05	17.28	17.15	19.00
20	64QAM	1	1	17.20	17.30	17.13	19.00
20	256QAM	1	1	17.50	17.86	17.54	19.00
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	17.37	17.46	17.39	19.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	17.46	17.43	17.44	19.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	17.42	17.44	17.46	19.00

【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		23.71		25.00
100	PI/2 BPSK	1	137		24.50		25.00
100	PI/2 BPSK	1	271		23.60		25.00
100	PI/2 BPSK	135	0		24.43		24.50
100	PI/2 BPSK	135	69		24.58		25.00
100	PI/2 BPSK	135	138		24.28		24.50
100	PI/2 BPSK	270	0		24.38		24.50
100	QPSK	1	1		23.71		25.00
100	QPSK	1	137		24.40		25.00
100	QPSK	1	271		23.43		25.00
100	QPSK	135	0		24.00		24.00
100	QPSK	135	69		24.55		25.00
100	QPSK	135	138		24.00		24.00
100	QPSK	270	0		24.00		24.00
100	16QAM	1	1		23.06		24.00
100	64QAM	1	1		22.01		22.50
100	256QAM	1	1		20.50		20.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.90	23.87	23.88	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.84	23.76	23.78	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.82	23.86	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	23.87	23.85	23.77	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.76	23.76	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	23.87	23.78	23.82	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.88	23.79	23.75	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.79	23.79	23.82	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.85	23.84	23.77	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.77	23.84	23.77	25.00

【FR1 n77 (27O) _FCC_Part 27O (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	23.57	23.18	23.80	25.00
100	PI/2 BPSK	1	137	24.18	24.08	24.33	25.00
100	PI/2 BPSK	1	271	23.95	23.10	23.49	25.00
100	PI/2 BPSK	135	0	24.20	23.88	24.34	24.50
100	PI/2 BPSK	135	69	24.33	24.26	24.39	25.00
100	PI/2 BPSK	135	138	24.21	23.84	24.19	24.50
100	PI/2 BPSK	270	0	24.14	24.14	24.28	24.50
100	QPSK	1	1	23.55	23.14	23.70	25.00
100	QPSK	1	137	24.16	24.05	24.31	25.00
100	QPSK	1	271	23.22	23.94	23.32	25.00
100	QPSK	135	0	23.98	23.85	24.00	24.00



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100	QPSK	135	69	24.40	24.21	24.48	25.00
100	QPSK	135	138	23.93	23.88	24.00	24.00
100	QPSK	270	0	23.90	23.87	23.98	24.00
100	16QAM	1	1	23.00	22.55	23.15	24.00
100	64QAM	1	1	21.88	21.42	21.98	22.50
100	256QAM	1	1	20.43	19.96	20.48	20.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.54	23.04	23.67	25.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.56	23.08	23.79	25.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.50	23.08	23.69	25.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	23.45	23.04	23.71	25.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	23.45	23.10	23.68	25.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	23.45	23.09	23.74	25.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	23.44	23.03	23.72	25.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	23.54	23.14	23.78	25.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.51	23.16	23.75	25.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.52	23.03	23.71	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		24.33		25.00
100	PI/2 BPSK	1	271		23.43		25.00
100	PI/2 BPSK	135	0		24.25		24.50
100	PI/2 BPSK	135	69		24.41		25.00
100	PI/2 BPSK	135	138		24.12		24.50
100	PI/2 BPSK	270	0		24.20		24.50
100	QPSK	1	1		23.64		25.00
100	QPSK	1	137		24.29		25.00
100	QPSK	1	271		23.43		25.00
100	QPSK	135	0		23.98		24.00
100	QPSK	135	69		24.35		25.00
100	QPSK	135	138		23.93		24.00
100	QPSK	270	0		23.97		24.00
100	16QAM	1	1		23.40		24.00
100	64QAM	1	1		22.33		22.50
100	256QAM	1	1		20.40		20.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.65	23.66	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	23.61	23.60	23.47	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.52	23.51	23.53	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	23.63	23.51	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.50	23.55	23.53	25.00



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Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.55	23.55	23.45	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	23.60	23.48	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.51	23.58	23.54	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	23.57	23.44	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.56	23.57	23.48	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	23.23	23.36	23.71	25.00
100	PI/2 BPSK	1	137	24.11	24.33	24.68	25.00
100	PI/2 BPSK	1	271	23.72	23.87	24.18	25.00
100	PI/2 BPSK	135	0	23.93	24.12	24.38	24.50
100	PI/2 BPSK	135	69	24.19	24.40	24.66	25.00
100	PI/2 BPSK	135	138	24.05	24.27	24.43	24.50
100	PI/2 BPSK	270	0	23.94	24.17	24.50	24.50
100	QPSK	1	1	23.10	23.30	23.64	25.00
100	QPSK	1	137	24.05	24.24	24.57	25.00
100	QPSK	1	271	23.59	23.82	24.17	25.00
100	QPSK	135	0	23.73	23.91	23.98	24.00
100	QPSK	135	69	24.24	24.38	24.67	25.00
100	QPSK	135	138	23.75	23.89	23.95	24.00
100	QPSK	270	0	23.73	23.95	23.99	24.00
100	16QAM	1	1	22.88	23.11	23.43	24.00
100	64QAM	1	1	21.83	21.99	22.26	22.50
100	256QAM	1	1	20.20	20.43	20.48	20.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	23.17	23.33	23.68	25.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	23.11	23.23	23.61	25.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	23.13	23.28	23.61	25.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	23.21	23.32	23.69	25.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	23.18	23.32	23.63	25.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	23.20	23.30	23.62	25.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	23.12	23.23	23.61	25.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	23.14	23.25	23.69	25.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	23.19	23.27	23.71	25.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	23.11	23.25	23.65	25.00

【FR1 n77 (27Q)_FCC_Part 27Q (3450~3550MHz)_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		14.72		16.50
100	PI/2 BPSK	1	137		15.23		16.50
100	PI/2 BPSK	1	271		14.66		16.50
100	PI/2 BPSK	135	0		15.23		16.50
100	PI/2 BPSK	135	69		15.30		16.50
100	PI/2 BPSK	135	138		15.02		16.50
100	PI/2 BPSK	270	0		15.14		16.50
100	QPSK	1	1		14.68		16.50
100	QPSK	1	137		15.17		16.50
100	QPSK	1	271		14.60		16.50
100	QPSK	135	0		15.19		16.50
100	QPSK	135	69		15.27		16.50
100	QPSK	135	138		14.96		16.50
100	QPSK	270	0		15.08		16.50
100	16QAM	1	1		14.53		16.50
100	64QAM	1	1		14.50		16.50
100	256QAM	1	1		15.06		16.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.77	14.82	14.80	16.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.73	14.74	14.66	16.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.65	14.79	14.70	16.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.64	14.79	14.68	16.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.70	14.80	14.71	16.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.75	14.75	14.69	16.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.67	14.78	14.75	16.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.70	14.75	14.73	16.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.71	14.75	14.66	16.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.64	14.67	14.75	16.50

【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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	15.23	14.73	15.00	16.50
100	PI/2 BPSK	1	137	15.66	15.45	15.65	16.50
100	PI/2 BPSK	1	271	15.16	15.42	15.15	16.50
100	PI/2 BPSK	135	0	15.62	15.18	15.55	16.50
100	PI/2 BPSK	135	69	15.74	15.65	15.78	16.50
100	PI/2 BPSK	135	138	15.54	15.51	15.65	16.50
100	PI/2 BPSK	270	0	15.61	15.40	15.60	16.50
100	QPSK	1	1	15.19	14.69	14.96	16.50
100	QPSK	1	137	15.59	15.40	15.58	16.50
100	QPSK	1	271	15.07	15.36	15.10	16.50
100	QPSK	135	0	15.56	15.11	15.48	16.50
100	QPSK	135	69	15.69	15.60	15.73	16.50
100	QPSK	135	138	15.45	15.44	15.62	16.50
100	QPSK	270	0	15.56	15.33	15.53	16.50
100	16QAM	1	1	15.02	14.56	14.77	16.50
100	64QAM	1	1	14.90	14.50	14.69	16.50
100	256QAM	1	1	15.22	15.15	15.00	16.50



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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	15.16	14.72	14.87	16.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	15.15	14.64	14.92	16.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	15.16	14.60	14.86	16.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	15.13	14.64	14.94	16.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	15.20	14.61	14.90	16.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	15.22	14.58	14.92	16.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	15.20	14.70	14.89	16.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	15.10	14.72	14.95	16.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	15.15	14.59	14.98	16.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	15.22	14.59	14.91	16.50

【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		14.30		15.50
100	PI/2 BPSK	1	137		14.71		15.50
100	PI/2 BPSK	1	271		14.13		15.50
100	PI/2 BPSK	135	0		14.70		15.50
100	PI/2 BPSK	135	69		14.83		15.50
100	PI/2 BPSK	135	138		14.61		15.50
100	PI/2 BPSK	270	0		14.67		15.50
100	QPSK	1	1		14.27		15.50
100	QPSK	1	137		14.64		15.50
100	QPSK	1	271		14.07		15.50
100	QPSK	135	0		14.64		15.50
100	QPSK	135	69		14.80		15.50
100	QPSK	135	138		14.56		15.50
100	QPSK	270	0		14.60		15.50
100	16QAM	1	1		14.10		15.50
100	64QAM	1	1		14.20		15.50
100	256QAM	1	1		14.76		15.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.40	14.42	14.38	15.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.33	14.38	14.32	15.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.38	14.34	14.32	15.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.36	14.27	14.37	15.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.25	14.32	14.33	15.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.36	14.38	14.27	15.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.37	14.40	14.33	15.50

Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.33	14.28	14.33	15.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.29	14.28	14.33	15.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.27	14.40	14.25	15.50

【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 (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.00	14.03	14.71	15.50
100	PI/2 BPSK	1	137	14.14	14.35	15.16	15.50
100	PI/2 BPSK	1	271	13.68	14.22	14.93	15.50
100	PI/2 BPSK	135	0	14.20	14.41	15.19	15.50
100	PI/2 BPSK	135	69	14.21	14.48	15.35	15.50
100	PI/2 BPSK	135	138	13.87	14.38	15.33	15.50
100	PI/2 BPSK	270	0	14.07	14.48	15.31	15.50
100	QPSK	1	1	13.94	13.96	14.67	15.50
100	QPSK	1	137	14.05	14.29	15.09	15.50
100	QPSK	1	271	13.63	14.19	14.90	15.50
100	QPSK	135	0	14.12	14.36	15.14	15.50
100	QPSK	135	69	14.18	14.43	15.29	15.50
100	QPSK	135	138	13.78	14.35	15.26	15.50
100	QPSK	270	0	14.04	14.43	15.28	15.50
100	16QAM	1	1	13.75	13.85	14.46	15.50
100	64QAM	1	1	13.89	13.94	14.54	15.50
100	256QAM	1	1	14.00	14.51	14.70	15.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	13.94	13.94	14.61	15.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	13.86	13.93	14.63	15.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	13.94	13.97	14.56	15.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	13.88	14.01	14.65	15.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	13.95	13.96	14.67	15.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	13.96	13.93	14.65	15.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	13.94	14.01	14.70	15.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	13.87	13.96	14.58	15.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	13.92	13.94	14.64	15.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	13.97	13.94	14.69	15.50

【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 (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.07		27.00
100	PI/2 BPSK	1	137		25.58		27.00

100	PI/2 BPSK	1	271		25.06		27.00
100	PI/2 BPSK	135	0		25.11		26.50
100	PI/2 BPSK	135	69		25.80		27.00
100	PI/2 BPSK	135	138		25.00		26.50
100	PI/2 BPSK	270	0		25.03		26.50
100	QPSK	1	1		25.04		27.00
100	QPSK	1	137		25.55		27.00
100	QPSK	1	271		25.04		27.00
100	QPSK	135	0		24.62		26.00
100	QPSK	135	69		25.77		27.00
100	QPSK	135	138		24.43		26.00
100	QPSK	270	0		24.51		26.00
100	16QAM	1	1		24.02		26.00
100	64QAM	1	1		22.53		24.50
100	256QAM	1	1		20.70		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.00	25.04	25.02	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.01	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	25.01	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.02	25.00	25.00	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	25.01	25.00	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.00	25.01	25.00	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.00	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	25.01	25.00	25.01	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.02	25.02	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	25.01	25.00	25.02	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	25.10	25.04	25.12	27.00
100	PI/2 BPSK	1	137	26.02	25.92	26.12	27.00
100	PI/2 BPSK	1	271	25.22	25.29	25.40	27.00
100	PI/2 BPSK	135	0	25.14	25.13	25.33	26.50
100	PI/2 BPSK	135	69	26.08	26.03	26.22	27.00
100	PI/2 BPSK	135	138	25.39	25.30	25.50	26.50
100	PI/2 BPSK	270	0	25.16	25.21	25.36	26.50
100	QPSK	1	1	25.04	25.02	25.10	27.00
100	QPSK	1	137	25.77	25.69	25.89	27.00
100	QPSK	1	271	25.12	25.06	25.26	27.00
100	QPSK	135	0	24.56	24.53	24.72	26.00
100	QPSK	135	69	25.96	26.05	26.15	27.00
100	QPSK	135	138	24.82	24.78	24.93	26.00
100	QPSK	270	0	24.72	24.70	24.82	26.00
100	16QAM	1	1	24.07	24.00	24.10	26.00
100	64QAM	1	1	22.59	22.62	22.75	24.50
100	256QAM	1	1	20.56	20.50	20.64	22.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.03	25.01	25.05	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	25.02	25.01	27.00

Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.00	25.01	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	25.01	25.01	25.06	27.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.02	25.01	25.04	27.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	25.07	25.01	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	25.00	25.00	25.08	27.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	25.01	25.00	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	25.00	25.00	25.08	27.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.09	25.00	25.10	27.00

【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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.19		27.00
100	PI/2 BPSK	1	137		25.39		27.00
100	PI/2 BPSK	1	271		25.09		27.00
100	PI/2 BPSK	135	0		25.42		26.50
100	PI/2 BPSK	135	69		25.55		27.00
100	PI/2 BPSK	135	138		25.21		26.50
100	PI/2 BPSK	270	0		25.32		26.50
100	QPSK	1	1		25.12		27.00
100	QPSK	1	137		25.32		27.00
100	QPSK	1	271		25.04		27.00
100	QPSK	135	0		24.34		26.00
100	QPSK	135	69		25.53		27.00
100	QPSK	135	138		24.16		26.00
100	QPSK	270	0		24.27		26.00
100	16QAM	1	1		24.12		26.00
100	64QAM	1	1		22.71		24.50
100	256QAM	1	1		20.61		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.15	25.17	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	25.04	25.09	25.08	27.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	25.03	25.13	25.01	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.10	25.10	25.02	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	25.12	25.06	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.03	25.14	25.04	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	25.13	25.04	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.08	25.11	25.01	27.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	25.04	25.10	25.05	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	25.05	25.00	27.00

【FR1 n77 (27O) _FCC_Part 27O (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	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.06	25.14	25.13	27.00
100	PI/2 BPSK	1	137	25.25	25.34	25.29	27.00
100	PI/2 BPSK	1	271	25.03	25.15	25.05	27.00
100	PI/2 BPSK	135	0	25.00	25.13	25.08	26.50
100	PI/2 BPSK	135	69	25.32	25.42	25.38	27.00
100	PI/2 BPSK	135	138	25.11	25.29	25.20	26.50
100	PI/2 BPSK	270	0	25.08	25.23	25.21	26.50
100	QPSK	1	1	25.03	25.13	25.02	27.00
100	QPSK	1	137	25.06	25.23	25.13	27.00
100	QPSK	1	271	25.03	25.11	25.00	27.00
100	QPSK	135	0	25.02	25.10	25.03	26.00
100	QPSK	135	69	25.28	25.37	25.35	27.00
100	QPSK	135	138	25.10	25.25	25.24	26.00
100	QPSK	270	0	25.04	25.20	25.19	26.00
100	16QAM	1	1	24.31	24.48	24.43	26.00
100	64QAM	1	1	24.33	24.43	24.42	24.50
100	256QAM	1	1	20.50	20.52	20.51	22.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.03	25.00	25.10	27.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.01	25.06	25.02	27.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.03	25.02	25.06	27.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	25.01	25.08	25.02	27.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.02	25.01	25.01	27.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	25.02	25.02	25.01	27.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	25.02	25.02	25.04	27.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	25.00	25.10	25.10	27.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	25.00	25.12	25.10	27.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.04	25.09	25.07	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		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.52		19.50
100	PI/2 BPSK	1	137		19.20		19.50
100	PI/2 BPSK	1	271		18.43		19.50
100	PI/2 BPSK	135	0		19.12		19.50
100	PI/2 BPSK	135	69		19.20		19.50
100	PI/2 BPSK	135	138		18.90		19.50
100	PI/2 BPSK	270	0		18.99		19.50
100	QPSK	1	1		18.49		19.50

100	QPSK	1	137		19.13		19.50
100	QPSK	1	271		18.38		19.50
100	QPSK	135	0		19.06		19.50
100	QPSK	135	69		19.14		19.50
100	QPSK	135	138		18.86		19.50
100	QPSK	270	0		18.93		19.50
100	16QAM	1	1		18.22		19.50
100	64QAM	1	1		18.16		19.50
100	256QAM	1	1		18.13		19.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.55	18.64	18.60	19.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.50	18.56	18.59	19.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.50	18.56	18.59	19.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.41	18.57	18.47	19.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.47	18.62	18.49	19.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.44	18.55	18.52	19.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.48	18.50	18.47	19.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.45	18.55	18.51	19.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	18.51	18.54	18.59	19.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	18.47	18.60	18.52	19.50

【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	18.54	18.22	18.65	19.50
100	PI/2 BPSK	1	137	19.05	19.00	19.43	19.50
100	PI/2 BPSK	1	271	18.48	18.96	18.84	19.50
100	PI/2 BPSK	135	0	19.06	18.78	19.27	19.50
100	PI/2 BPSK	135	69	19.19	19.20	19.50	19.50
100	PI/2 BPSK	135	138	18.98	19.10	19.39	19.50
100	PI/2 BPSK	270	0	19.06	18.96	19.27	19.50
100	QPSK	1	1	18.50	18.18	18.57	19.50
100	QPSK	1	137	18.99	18.93	19.37	19.50
100	QPSK	1	271	18.42	18.89	18.80	19.50
100	QPSK	135	0	19.03	18.71	19.19	19.50
100	QPSK	135	69	19.15	19.13	19.42	19.50
100	QPSK	135	138	18.95	19.06	19.34	19.50
100	QPSK	270	0	19.01	18.90	19.23	19.50
100	16QAM	1	1	18.34	18.15	18.56	19.50
100	64QAM	1	1	18.30	18.08	18.46	19.50
100	256QAM	1	1	18.22	18.04	18.35	19.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	18.48	18.08	18.59	19.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	18.52	18.20	18.55	19.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	18.42	18.17	18.51	19.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	18.46	18.14	18.57	19.50

Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	18.51	18.21	18.62	19.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	18.50	18.13	18.55	19.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	18.51	18.16	18.51	19.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	18.53	18.08	18.63	19.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	18.42	18.13	18.61	19.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	18.46	18.10	18.50	19.50

【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		17.78		18.50
100	PI/2 BPSK	1	137		18.30		18.50
100	PI/2 BPSK	1	271		17.66		18.50
100	PI/2 BPSK	135	0		18.34		18.50
100	PI/2 BPSK	135	69		18.49		18.50
100	PI/2 BPSK	135	138		18.26		18.50
100	PI/2 BPSK	270	0		18.33		18.50
100	QPSK	1	1		17.71		18.50
100	QPSK	1	137		18.26		18.50
100	QPSK	1	271		17.60		18.50
100	QPSK	135	0		18.31		18.50
100	QPSK	135	69		18.43		18.50
100	QPSK	135	138		18.20		18.50
100	QPSK	270	0		18.26		18.50
100	16QAM	1	1		17.98		18.50
100	64QAM	1	1		17.88		18.50
100	256QAM	1	1		17.85		18.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.99	18.02	17.92	18.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.94	17.92	17.88	18.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.97	17.94	17.88	18.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.87	18.01	17.91	18.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.91	18.00	17.90	18.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.95	17.97	17.78	18.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.95	17.95	17.86	18.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.85	17.89	17.86	18.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.95	17.92	17.80	18.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.89	17.91	17.82	18.50

【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	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.11	17.07	17.56	18.50
100	PI/2 BPSK	1	137	17.41	17.60	18.20	18.50
100	PI/2 BPSK	1	271	16.71	17.38	17.85	18.50
100	PI/2 BPSK	135	0	17.56	17.64	18.20	18.50
100	PI/2 BPSK	135	69	17.55	17.78	18.38	18.50
100	PI/2 BPSK	135	138	17.20	17.68	18.24	18.50
100	PI/2 BPSK	270	0	17.42	17.66	18.22	18.50
100	QPSK	1	1	17.04	17.04	17.48	18.50
100	QPSK	1	137	17.35	17.55	18.16	18.50
100	QPSK	1	271	16.68	17.34	17.79	18.50
100	QPSK	135	0	17.50	17.61	18.15	18.50
100	QPSK	135	69	17.46	17.72	18.35	18.50
100	QPSK	135	138	17.13	17.62	18.15	18.50
100	QPSK	270	0	17.38	17.59	18.19	18.50
100	16QAM	1	1	17.10	17.17	17.55	18.50
100	64QAM	1	1	17.03	17.10	17.54	18.50
100	256QAM	1	1	16.99	17.04	17.40	18.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.08	17.03	17.45	18.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.04	16.95	17.49	18.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.96	17.04	17.43	18.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.00	16.96	17.51	18.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.08	17.00	17.44	18.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.02	16.94	17.50	18.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	16.96	16.97	17.52	18.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.09	17.01	17.50	18.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.99	17.03	17.46	18.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.08	17.05	17.55	18.50

【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		12.00		13.50
100	PI/2 BPSK	1	137		12.43		13.50
100	PI/2 BPSK	1	271		11.88		13.50
100	PI/2 BPSK	135	0		12.41		13.50
100	PI/2 BPSK	135	69		12.49		13.50
100	PI/2 BPSK	135	138		12.20		13.50
100	PI/2 BPSK	270	0		12.32		13.50
100	QPSK	1	1		11.83		13.50
100	QPSK	1	137		12.26		13.50
100	QPSK	1	271		11.73		13.50
100	QPSK	135	0		12.25		13.50
100	QPSK	135	69		12.33		13.50
100	QPSK	135	138		12.08		13.50
100	QPSK	270	0		12.15		13.50



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100	16QAM	1	1		11.60		13.50
100	64QAM	1	1		11.66		13.50
100	256QAM	1	1		12.23		13.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	12.02	12.00	12.01	13.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	11.96	11.85	11.94	13.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	11.88	11.95	11.99	13.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	11.89	11.86	11.99	13.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	11.94	11.97	11.96	13.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	11.94	11.95	11.96	13.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	11.96	11.93	11.93	13.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	11.98	11.94	11.91	13.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	12.00	11.96	11.86	13.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	12.01	11.96	11.86	13.50

【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	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	12.22	11.76	12.31	13.50
100	PI/2 BPSK	1	137	12.91	12.56	13.01	13.50
100	PI/2 BPSK	1	271	12.57	12.26	12.71	13.50
100	PI/2 BPSK	135	0	12.73	12.33	12.85	13.50
100	PI/2 BPSK	135	69	12.97	12.69	13.15	13.50
100	PI/2 BPSK	135	138	12.92	12.52	13.05	13.50
100	PI/2 BPSK	270	0	12.74	12.49	12.94	13.50
100	QPSK	1	1	12.14	11.79	12.28	13.50
100	QPSK	1	137	12.79	12.42	12.96	13.50
100	QPSK	1	271	12.56	12.11	12.66	13.50
100	QPSK	135	0	12.66	12.29	12.83	13.50
100	QPSK	135	69	12.98	12.62	13.10	13.50
100	QPSK	135	138	12.84	12.51	13.03	13.50
100	QPSK	270	0	12.75	12.47	12.93	13.50
100	16QAM	1	1	11.93	11.55	12.06	13.50
100	64QAM	1	1	11.96	11.63	12.12	13.50
100	256QAM	1	1	12.56	12.22	12.70	13.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	12.10	11.74	12.29	13.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	12.11	11.65	12.29	13.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	12.16	11.73	12.20	13.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	12.18	11.67	12.19	13.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	12.19	11.72	12.25	13.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	12.17	11.64	12.29	13.50

Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	12.09	11.69	12.26	13.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	12.21	11.73	12.28	13.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	12.12	11.71	12.23	13.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	12.15	11.63	12.27	13.50

【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		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.87		14.50
100	PI/2 BPSK	1	137		14.29		14.50
100	PI/2 BPSK	1	271		13.66		14.50
100	PI/2 BPSK	135	0		14.28		14.50
100	PI/2 BPSK	135	69		14.34		14.50
100	PI/2 BPSK	135	138		14.12		14.50
100	PI/2 BPSK	270	0		14.19		14.50
100	QPSK	1	1		13.82		14.50
100	QPSK	1	137		14.25		14.50
100	QPSK	1	271		13.64		14.50
100	QPSK	135	0		14.27		14.50
100	QPSK	135	69		14.33		14.50
100	QPSK	135	138		14.11		14.50
100	QPSK	270	0		14.17		14.50
100	16QAM	1	1		13.59		14.50
100	64QAM	1	1		13.64		14.50
100	256QAM	1	1		14.19		14.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	13.80	13.85	13.72	14.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.79	13.72	13.68	14.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.76	13.73	13.68	14.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.78	13.76	13.69	14.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	13.79	13.77	13.59	14.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	13.70	13.81	13.65	14.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.68	13.84	13.66	14.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.70	13.74	13.59	14.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	13.73	13.81	13.70	14.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.66	13.73	13.62	14.50

【FR1 n77 (27O) _FCC_Part 27O (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	



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Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.37	13.43	13.76	14.50
100	PI/2 BPSK	1	137	13.97	14.05	14.37	14.50
100	PI/2 BPSK	1	271	13.86	13.92	14.18	14.50
100	PI/2 BPSK	135	0	13.89	14.00	14.27	14.50
100	PI/2 BPSK	135	69	14.10	14.21	14.42	14.50
100	PI/2 BPSK	135	138	14.01	14.13	14.38	14.50
100	PI/2 BPSK	270	0	13.95	14.06	14.30	14.50
100	QPSK	1	1	13.33	13.41	13.68	14.50
100	QPSK	1	137	13.90	14.02	14.29	14.50
100	QPSK	1	271	13.82	13.90	14.15	14.50
100	QPSK	135	0	13.83	13.98	14.30	14.50
100	QPSK	135	69	14.05	14.20	14.39	14.50
100	QPSK	135	138	13.95	14.11	14.35	14.50
100	QPSK	270	0	13.98	14.05	14.31	14.50
100	16QAM	1	1	13.16	13.25	13.53	14.50
100	64QAM	1	1	13.12	13.27	13.54	14.50
100	256QAM	1	1	13.71	13.83	14.15	14.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	13.33	13.34	13.71	14.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	13.22	13.38	13.71	14.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	13.24	13.42	13.72	14.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	13.29	13.40	13.65	14.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	13.25	13.38	13.73	14.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	13.24	13.38	13.68	14.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	13.34	13.38	13.69	14.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	13.35	13.37	13.72	14.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	13.35	13.41	13.63	14.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	13.31	13.40	13.65	14.50

【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		15.26		16.50
100	PI/2 BPSK	1	137		15.71		16.50
100	PI/2 BPSK	1	271		15.08		16.50
100	PI/2 BPSK	135	0		15.65		16.50
100	PI/2 BPSK	135	69		15.73		16.50
100	PI/2 BPSK	135	138		15.40		16.50
100	PI/2 BPSK	270	0		15.50		16.50
100	QPSK	1	1		15.03		16.50
100	QPSK	1	137		15.44		16.50
100	QPSK	1	271		14.84		16.50
100	QPSK	135	0		15.53		16.50
100	QPSK	135	69		15.62		16.50
100	QPSK	135	138		15.33		16.50
100	QPSK	270	0		15.42		16.50
100	16QAM	1	1		15.31		16.50
100	64QAM	1	1		15.22		16.50
100	256QAM	1	1		15.15		16.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.15	15.22	15.18	16.50



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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	15.03	15.08	15.14	16.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.12	15.10	15.16	16.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.02	15.12	15.12	16.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.04	15.20	15.15	16.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.02	15.18	15.15	16.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.04	15.13	15.06	16.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.07	15.12	15.17	16.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.10	15.18	15.08	16.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.00	15.15	15.13	16.50

【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	15.35	14.95	15.48	16.50
100	PI/2 BPSK	1	137	16.08	15.70	16.20	16.50
100	PI/2 BPSK	1	271	15.75	15.27	15.89	16.50
100	PI/2 BPSK	135	0	15.89	15.47	16.06	16.50
100	PI/2 BPSK	135	69	16.24	15.79	16.34	16.50
100	PI/2 BPSK	135	138	16.09	15.71	16.26	16.50
100	PI/2 BPSK	270	0	16.00	15.58	16.13	16.50
100	QPSK	1	1	15.22	14.85	15.38	16.50
100	QPSK	1	137	16.00	15.65	16.13	16.50
100	QPSK	1	271	15.74	15.35	15.85	16.50
100	QPSK	135	0	15.89	15.48	16.04	16.50
100	QPSK	135	69	16.18	15.69	16.32	16.50
100	QPSK	135	138	16.06	15.70	16.23	16.50
100	QPSK	270	0	16.00	15.50	16.11	16.50
100	16QAM	1	1	15.57	15.18	15.71	16.50
100	64QAM	1	1	15.42	15.01	15.62	16.50
100	256QAM	1	1	15.44	15.01	15.57	16.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	15.22	14.86	15.45	16.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	15.28	14.81	15.37	16.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	15.22	14.87	15.45	16.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	15.30	14.85	15.44	16.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	15.32	14.90	15.38	16.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	15.34	14.89	15.45	16.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	15.29	14.84	15.43	16.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	15.29	14.94	15.34	16.50

Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	15.27	14.80	15.34	16.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	15.32	14.87	15.34	16.50

【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		16.45		17.50
100	PI/2 BPSK	1	137		16.91		17.50
100	PI/2 BPSK	1	271		16.26		17.50
100	PI/2 BPSK	135	0		16.90		17.50
100	PI/2 BPSK	135	69		16.94		17.50
100	PI/2 BPSK	135	138		16.70		17.50
100	PI/2 BPSK	270	0		16.77		17.50
100	QPSK	1	1		16.37		17.50
100	QPSK	1	137		16.89		17.50
100	QPSK	1	271		16.34		17.50
100	QPSK	135	0		16.90		17.50
100	QPSK	135	69		16.92		17.50
100	QPSK	135	138		16.65		17.50
100	QPSK	270	0		16.71		17.50
100	16QAM	1	1		16.62		17.50
100	64QAM	1	1		16.55		17.50
100	256QAM	1	1		16.48		17.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.31	16.42	16.38	17.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.23	16.30	16.28	17.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.30	16.29	16.24	17.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.26	16.34	16.26	17.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.17	16.33	16.30	17.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.17	16.41	16.36	17.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.20	16.38	16.24	17.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.24	16.34	16.25	17.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.27	16.29	16.34	17.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	16.28	16.38	16.30	17.50

【FR1 n77 (27Q) FCC_Part 27Q (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	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.09	16.14	16.51	17.50
100	PI/2 BPSK	1	137	16.70	16.83	17.15	17.50
100	PI/2 BPSK	1	271	16.60	16.69	17.04	17.50
100	PI/2 BPSK	135	0	16.64	16.72	17.08	17.50
100	PI/2 BPSK	135	69	16.78	16.92	17.29	17.50



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100	PI/2 BPSK	135	138	16.72	16.86	17.22	17.50
100	PI/2 BPSK	270	0	16.64	16.74	17.10	17.50
100	QPSK	1	1	15.75	15.90	16.18	17.50
100	QPSK	1	137	16.42	16.56	16.92	17.50
100	QPSK	1	271	16.35	16.50	16.77	17.50
100	QPSK	135	0	16.47	16.52	16.79	17.50
100	QPSK	135	69	16.59	16.73	17.05	17.50
100	QPSK	135	138	16.60	16.66	17.00	17.50
100	QPSK	270	0	16.43	16.57	16.93	17.50
100	16QAM	1	1	16.04	16.17	16.53	17.50
100	64QAM	1	1	15.97	16.10	16.44	17.50
100	256QAM	1	1	15.97	16.07	16.36	17.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	15.97	16.11	16.37	17.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	16.07	16.12	16.44	17.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	15.98	16.04	16.49	17.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	15.98	16.05	16.45	17.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	16.05	16.11	16.39	17.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	15.96	16.01	16.46	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	16.39	17.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	16.02	16.03	16.37	17.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	16.01	16.02	16.45	17.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	16.05	16.01	16.39	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		23.64		25.00
100	PI/2 BPSK	1	137		24.42		25.00
100	PI/2 BPSK	1	271		23.51		25.00
100	PI/2 BPSK	135	0		24.39		24.50
100	PI/2 BPSK	135	69		24.54		25.00
100	PI/2 BPSK	135	138		24.19		24.50
100	PI/2 BPSK	270	0		24.33		24.50
100	QPSK	1	1		23.67		25.00
100	QPSK	1	137		24.38		25.00
100	QPSK	1	271		23.37		25.00
100	QPSK	135	0		23.95		24.00
100	QPSK	135	69		24.48		25.00
100	QPSK	135	138		23.98		24.00
100	QPSK	270	0		23.95		24.00
100	16QAM	1	1		22.99		24.00
100	64QAM	1	1		21.97		22.50
100	256QAM	1	1		20.41		20.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.62	23.66	23.60	25.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.56	23.54	23.55	25.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.61	23.54	23.52	25.00

Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.55	23.64	23.53	25.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.56	23.57	23.51	25.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.56	23.62	23.55	25.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.47	23.60	23.57	25.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.59	23.53	23.50	25.00
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.61	23.65	23.54	25.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.55	23.58	23.56	25.00

【FR1 n78 (270)_ FCC_Part 270 (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		23.50		25.00
100	PI/2 BPSK	1	137		24.14		25.00
100	PI/2 BPSK	1	271		23.89		25.00
100	PI/2 BPSK	135	0		24.15		24.50
100	PI/2 BPSK	135	69		24.28		25.00
100	PI/2 BPSK	135	138		24.17		24.50
100	PI/2 BPSK	270	0		24.10		24.50
100	QPSK	1	1		23.49		25.00
100	QPSK	1	137		24.09		25.00
100	QPSK	1	271		23.16		25.00
100	QPSK	135	0		23.94		24.00
100	QPSK	135	69		24.34		25.00
100	QPSK	135	138		23.88		24.00
100	QPSK	270	0		23.83		24.00
100	16QAM	1	1		22.93		24.00
100	64QAM	1	1		21.83		22.50
100	256QAM	1	1		20.38		20.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.42	23.48	23.55	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.38	23.36	23.42	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.38	23.42	23.50	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.37	23.39	23.54	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.27	23.39	23.42	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.33	23.45	23.47	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.27	23.43	23.46	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.31	23.42	23.48	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.29	23.36	23.42	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.35	23.34	23.41	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		24.11		25.00
100	PI/2 BPSK	1	137		24.72		25.00
100	PI/2 BPSK	1	271		23.84		25.00
100	PI/2 BPSK	135	0		24.48		24.50
100	PI/2 BPSK	135	69		24.73		25.00
100	PI/2 BPSK	135	138		24.44		24.50
100	PI/2 BPSK	270	0		24.49		24.50
100	QPSK	1	1		23.99		25.00
100	QPSK	1	137		24.62		25.00
100	QPSK	1	271		23.80		25.00
100	QPSK	135	0		23.94		24.00
100	QPSK	135	69		24.75		25.00
100	QPSK	135	138		23.88		24.00
100	QPSK	270	0		23.87		24.00
100	16QAM	1	1		23.74		24.00
100	64QAM	1	1		22.39		22.50
100	256QAM	1	1		20.29		20.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.00	24.09	23.95	25.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.96	23.97	23.88	25.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.95	23.98	23.87	25.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.92	24.02	23.92	25.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.91	24.03	23.86	25.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.92	23.97	23.86	25.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.94	23.95	23.90	25.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.86	24.08	23.84	25.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.94	24.05	23.91	25.00
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.90	24.01	23.92	25.00

【FR1 n78 (27O) _FCC_Part 27O (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		23.52		25.00
100	PI/2 BPSK	1	137		24.40		25.00
100	PI/2 BPSK	1	271		24.02		25.00
100	PI/2 BPSK	135	0		24.23		24.50
100	PI/2 BPSK	135	69		24.53		25.00
100	PI/2 BPSK	135	138		24.34		24.50
100	PI/2 BPSK	270	0		24.29		24.50
100	QPSK	1	1		23.37		25.00
100	QPSK	1	137		24.31		25.00
100	QPSK	1	271		23.92		25.00
100	QPSK	135	0		23.92		24.00

100	QPSK	135	69		24.46		25.00
100	QPSK	135	138		23.99		24.00
100	QPSK	270	0		23.91		24.00
100	16QAM	1	1		23.27		24.00
100	64QAM	1	1		21.83		22.50
100	256QAM	1	1		20.48		20.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.37	23.48	23.43	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.28	23.37	23.42	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.24	23.42	23.37	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.31	23.40	23.28	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.33	23.39	23.30	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.24	23.43	23.32	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.28	23.34	23.41	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.27	23.38	23.40	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.22	23.47	23.32	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.36	23.33	23.29	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		15.44		16.50
100	PI/2 BPSK	1	137		16.01		16.50
100	PI/2 BPSK	1	271		15.78		16.50
100	PI/2 BPSK	135	0		15.96		16.50
100	PI/2 BPSK	135	69		16.08		16.50
100	PI/2 BPSK	135	138		15.95		16.50
100	PI/2 BPSK	270	0		15.93		16.50
100	QPSK	1	1		15.37		16.50
100	QPSK	1	137		15.93		16.50
100	QPSK	1	271		15.77		16.50
100	QPSK	135	0		15.94		16.50
100	QPSK	135	69		16.04		16.50
100	QPSK	135	138		15.92		16.50
100	QPSK	270	0		15.90		16.50
100	16QAM	1	1		15.19		16.50
100	64QAM	1	1		15.23		16.50
100	256QAM	1	1		15.69		16.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.27	15.40	15.33	16.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.25	15.35	15.32	16.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.14	15.37	15.23	16.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.13	15.35	15.29	16.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.21	15.27	15.18	16.50

Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.17	15.35	15.20	16.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.22	15.35	15.23	16.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.26	15.32	15.25	16.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.16	15.33	15.30	16.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.18	15.27	15.20	16.50

【FR1 n78 (270) _FCC_Part 270 (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		15.68		16.50
100	PI/2 BPSK	1	137		16.08		16.50
100	PI/2 BPSK	1	271		15.74		16.50
100	PI/2 BPSK	135	0		16.10		16.50
100	PI/2 BPSK	135	69		16.21		16.50
100	PI/2 BPSK	135	138		16.02		16.50
100	PI/2 BPSK	270	0		16.05		16.50
100	QPSK	1	1		15.62		16.50
100	QPSK	1	137		16.02		16.50
100	QPSK	1	271		15.71		16.50
100	QPSK	135	0		16.05		16.50
100	QPSK	135	69		16.18		16.50
100	QPSK	135	138		16.01		16.50
100	QPSK	270	0		16.03		16.50
100	16QAM	1	1		15.41		16.50
100	64QAM	1	1		15.48		16.50
100	256QAM	1	1		15.67		16.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.51	15.66	15.61	16.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.37	15.60	15.55	16.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.40	15.57	15.47	16.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.38	15.59	15.51	16.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.36	15.52	15.54	16.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.50	15.53	15.51	16.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.43	15.65	15.55	16.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.50	15.53	15.53	16.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.46	15.59	15.54	16.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.42	15.54	15.52	16.50

【FR1 n78 (27Q) _FCC_Part 27Q (3450~3550MHz)_Aux_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		14.29		15.50
100	PI/2 BPSK	1	137		14.64		15.50
100	PI/2 BPSK	1	271		14.23		15.50
100	PI/2 BPSK	135	0		14.68		15.50
100	PI/2 BPSK	135	69		14.76		15.50
100	PI/2 BPSK	135	138		14.60		15.50
100	PI/2 BPSK	270	0		14.62		15.50
100	QPSK	1	1		14.27		15.50
100	QPSK	1	137		14.62		15.50
100	QPSK	1	271		14.18		15.50
100	QPSK	135	0		14.62		15.50
100	QPSK	135	69		14.74		15.50
100	QPSK	135	138		14.55		15.50
100	QPSK	270	0		14.57		15.50
100	16QAM	1	1		14.02		15.50
100	64QAM	1	1		14.12		15.50
100	256QAM	1	1		14.61		15.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.37	14.38	14.35	15.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	14.32	14.36	14.33	15.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	14.23	14.25	14.32	15.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	14.24	14.33	14.23	15.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.34	14.26	14.22	15.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.27	14.30	14.26	15.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	14.27	14.32	14.21	15.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	14.29	14.34	14.24	15.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.26	14.33	14.27	15.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	14.24	14.29	14.25	15.50

【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		13.99		15.50
100	PI/2 BPSK	1	137		14.23		15.50
100	PI/2 BPSK	1	271		13.71		15.50
100	PI/2 BPSK	135	0		14.23		15.50
100	PI/2 BPSK	135	69		14.32		15.50
100	PI/2 BPSK	135	138		13.86		15.50
100	PI/2 BPSK	270	0		14.11		15.50
100	QPSK	1	1		13.99		15.50
100	QPSK	1	137		14.07		15.50
100	QPSK	1	271		13.68		15.50
100	QPSK	135	0		14.16		15.50
100	QPSK	135	69		14.20		15.50
100	QPSK	135	138		13.82		15.50
100	QPSK	270	0		14.07		15.50
100	16QAM	1	1		13.75		15.50
100	64QAM	1	1		13.91		15.50
100	256QAM	1	1		14.05		15.50

Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.06	14.13	14.11	15.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.02	14.05	14.06	15.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.05	14.04	14.04	15.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.00	14.09	14.04	15.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.01	14.07	14.05	15.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	13.93	14.00	13.99	15.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.00	14.04	13.99	15.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	13.92	14.05	14.09	15.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	13.95	14.03	14.09	15.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	13.99	14.04	13.99	15.50

【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		25.03		27.00
100	PI/2 BPSK	1	137		25.53		27.00
100	PI/2 BPSK	1	271		25.03		27.00
100	PI/2 BPSK	135	0		25.07		26.50
100	PI/2 BPSK	135	69		25.73		27.00
100	PI/2 BPSK	135	138		24.96		26.50
100	PI/2 BPSK	270	0		24.97		26.50
100	QPSK	1	1		25.00		27.00
100	QPSK	1	137		25.48		27.00
100	QPSK	1	271		25.00		27.00
100	QPSK	135	0		24.57		26.00
100	QPSK	135	69		25.71		27.00
100	QPSK	135	138		24.40		26.00
100	QPSK	270	0		24.45		26.00
100	16QAM	1	1		24.02		26.00
100	64QAM	1	1		22.52		24.50
100	256QAM	1	1		20.68		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.01	25.05	25.03	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.01	25.00	25.01	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	25.01	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	25.00	27.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	25.00	25.02	25.02	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.00	25.01	25.00	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.00	25.00	25.02	27.00

Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.01	25.00	25.00	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	25.02	25.00	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.00	25.02	25.00	27.00

【FR1 n78 (270) _FCC_Part 270 (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		25.06		27.00
100	PI/2 BPSK	1	137		25.98		27.00
100	PI/2 BPSK	1	271		25.16		27.00
100	PI/2 BPSK	135	0		25.11		26.50
100	PI/2 BPSK	135	69		26.06		27.00
100	PI/2 BPSK	135	138		25.34		26.50
100	PI/2 BPSK	270	0		25.10		26.50
100	QPSK	1	1		25.02		27.00
100	QPSK	1	137		25.75		27.00
100	QPSK	1	271		25.06		27.00
100	QPSK	135	0		24.50		26.00
100	QPSK	135	69		25.90		27.00
100	QPSK	135	138		24.80		26.00
100	QPSK	270	0		24.67		26.00
100	16QAM	1	1		24.02		26.00
100	64QAM	1	1		22.54		24.50
100	256QAM	1	1		20.54		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.10	25.06	25.14	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.08	25.00	25.11	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.01	25.02	25.09	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.02	25.05	25.13	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	25.00	25.07	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	25.07	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	25.07	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	25.01	25.02	27.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.02	25.00	25.08	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.00	25.00	25.06	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		25.38		27.00
100	PI/2 BPSK	1	137		26.24		27.00



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100	PI/2 BPSK	1	271		25.36		27.00
100	PI/2 BPSK	135	0		25.51		26.50
100	PI/2 BPSK	135	69		26.32		27.00
100	PI/2 BPSK	135	138		25.44		26.50
100	PI/2 BPSK	270	0		25.41		26.50
100	QPSK	1	1		25.23		27.00
100	QPSK	1	137		26.00		27.00
100	QPSK	1	271		25.18		27.00
100	QPSK	135	0		24.44		26.00
100	QPSK	135	69		26.13		27.00
100	QPSK	135	138		24.28		26.00
100	QPSK	270	0		24.39		26.00
100	16QAM	1	1		24.33		26.00
100	64QAM	1	1		22.78		24.50
100	256QAM	1	1		20.97		22.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	25.29	25.33	25.22	27.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	25.17	25.29	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	25.20	25.24	25.19	27.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	25.22	25.19	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	25.17	25.29	25.11	27.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	25.19	25.18	25.11	27.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	25.23	25.24	25.08	27.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	25.23	25.22	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	25.19	25.27	25.17	27.00
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	25.22	25.26	25.10	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		25.23		27.00
100	PI/2 BPSK	1	137		25.63		27.00
100	PI/2 BPSK	1	271		25.19		27.00
100	PI/2 BPSK	135	0		25.14		26.50
100	PI/2 BPSK	135	69		25.71		27.00
100	PI/2 BPSK	135	138		25.37		26.50
100	PI/2 BPSK	270	0		25.27		26.50
100	QPSK	1	1		25.14		27.00
100	QPSK	1	137		25.24		27.00
100	QPSK	1	271		25.19		27.00
100	QPSK	135	0		25.15		26.00
100	QPSK	135	69		25.38		27.00
100	QPSK	135	138		25.25		26.00
100	QPSK	270	0		25.28		26.00
100	16QAM	1	1		24.54		26.00
100	64QAM	1	1		24.46		24.50
100	256QAM	1	1		20.53		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	25.18	25.14	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.01	25.16	25.11	27.00

Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.02	25.03	25.04	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.01	25.05	25.11	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.07	25.08	25.11	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	25.02	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	25.15	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	25.04	25.10	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	25.00	25.07	25.10	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.01	25.06	25.03	27.00

【FR1 n78 (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		18.24		19.50
100	PI/2 BPSK	1	137		18.98		19.50
100	PI/2 BPSK	1	271		18.62		19.50
100	PI/2 BPSK	135	0		18.88		19.50
100	PI/2 BPSK	135	69		18.97		19.50
100	PI/2 BPSK	135	138		18.83		19.50
100	PI/2 BPSK	270	0		18.80		19.50
100	QPSK	1	1		17.76		19.50
100	QPSK	1	137		18.45		19.50
100	QPSK	1	271		18.15		19.50
100	QPSK	135	0		18.42		19.50
100	QPSK	135	69		18.54		19.50
100	QPSK	135	138		18.40		19.50
100	QPSK	270	0		18.41		19.50
100	16QAM	1	1		17.98		19.50
100	64QAM	1	1		17.90		19.50
100	256QAM	1	1		17.84		19.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	18.17	18.21	18.09	19.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	18.05	18.12	17.99	19.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	18.04	18.19	18.00	19.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	18.11	18.19	17.98	19.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	18.07	18.12	17.99	19.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	18.14	18.13	18.05	19.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	18.14	18.08	17.99	19.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	18.14	18.12	18.04	19.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	18.07	18.13	18.02	19.50

Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.08	18.19	17.94	19.50

【FR1 n78 (27O) _FCC_Part 27O (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		18.40		19.50
100	PI/2 BPSK	1	137		18.89		19.50
100	PI/2 BPSK	1	271		18.42		19.50
100	PI/2 BPSK	135	0		18.85		19.50
100	PI/2 BPSK	135	69		18.95		19.50
100	PI/2 BPSK	135	138		18.75		19.50
100	PI/2 BPSK	270	0		18.78		19.50
100	QPSK	1	1		18.29		19.50
100	QPSK	1	137		18.80		19.50
100	QPSK	1	271		18.35		19.50
100	QPSK	135	0		18.87		19.50
100	QPSK	135	69		18.94		19.50
100	QPSK	135	138		18.74		19.50
100	QPSK	270	0		18.70		19.50
100	16QAM	1	1		18.55		19.50
100	64QAM	1	1		18.46		19.50
100	256QAM	1	1		18.41		19.50
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.27	18.35	18.33	19.50
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.21	18.30	18.22	19.50
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.19	18.29	18.21	19.50
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.16	18.29	18.26	19.50
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.22	18.32	18.19	19.50
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.24	18.21	18.22	19.50
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	18.24	18.26	18.31	19.50
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.19	18.30	18.28	19.50
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.15	18.23	18.31	19.50
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	18.23	18.32	18.19	19.50

【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		17.63		18.50
100	PI/2 BPSK	1	137		18.15		18.50
100	PI/2 BPSK	1	271		17.51		18.50
100	PI/2 BPSK	135	0		18.19		18.50
100	PI/2 BPSK	135	69		18.30		18.50
100	PI/2 BPSK	135	138		18.11		18.50
100	PI/2 BPSK	270	0		18.18		18.50
100	QPSK	1	1		17.56		18.50

100	QPSK	1	137		18.11		18.50
100	QPSK	1	271		17.45		18.50
100	QPSK	135	0		18.16		18.50
100	QPSK	135	69		18.28		18.50
100	QPSK	135	138		18.05		18.50
100	QPSK	270	0		18.11		18.50
100	16QAM	1	1		17.83		18.50
100	64QAM	1	1		17.73		18.50
100	256QAM	1	1		17.70		18.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	17.72	17.76	17.66	18.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	17.63	17.73	17.61	18.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	17.64	17.74	17.54	18.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	17.68	17.61	17.64	18.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	17.67	17.74	17.64	18.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	17.57	17.64	17.64	18.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	17.70	17.74	17.59	18.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	17.71	17.70	17.61	18.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	17.70	17.70	17.52	18.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	17.70	17.72	17.62	18.50

【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		16.87		18.50
100	PI/2 BPSK	1	137		17.21		18.50
100	PI/2 BPSK	1	271		16.56		18.50
100	PI/2 BPSK	135	0		17.32		18.50
100	PI/2 BPSK	135	69		17.34		18.50
100	PI/2 BPSK	135	138		17.03		18.50
100	PI/2 BPSK	270	0		17.20		18.50
100	QPSK	1	1		16.84		18.50
100	QPSK	1	137		17.20		18.50
100	QPSK	1	271		16.54		18.50
100	QPSK	135	0		17.28		18.50
100	QPSK	135	69		17.31		18.50
100	QPSK	135	138		16.97		18.50
100	QPSK	270	0		17.15		18.50
100	16QAM	1	1		16.90		18.50
100	64QAM	1	1		16.86		18.50
100	256QAM	1	1		16.81		18.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	16.96	17.00	16.99	18.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	16.94	16.96	16.93	18.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	16.82	16.91	16.96	18.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	16.84	16.91	16.93	18.50

Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	16.82	16.99	16.85	18.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	16.87	16.96	16.93	18.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.92	16.89	16.96	18.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	16.90	16.87	16.96	18.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	16.90	16.95	16.97	18.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	16.85	16.97	16.85	18.50

【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		11.93		13.50
100	PI/2 BPSK	1	137		12.40		13.50
100	PI/2 BPSK	1	271		11.85		13.50
100	PI/2 BPSK	135	0		12.35		13.50
100	PI/2 BPSK	135	69		12.44		13.50
100	PI/2 BPSK	135	138		12.16		13.50
100	PI/2 BPSK	270	0		12.25		13.50
100	QPSK	1	1		11.77		13.50
100	QPSK	1	137		12.17		13.50
100	QPSK	1	271		11.68		13.50
100	QPSK	135	0		12.22		13.50
100	QPSK	135	69		12.28		13.50
100	QPSK	135	138		12.02		13.50
100	QPSK	270	0		12.11		13.50
100	16QAM	1	1		11.52		13.50
100	64QAM	1	1		11.57		13.50
100	256QAM	1	1		12.16		13.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	11.88	11.91	11.90	13.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	11.78	11.84	11.84	13.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	11.86	11.83	11.80	13.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	11.78	11.76	11.81	13.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	11.76	11.85	11.77	13.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	11.86	11.88	11.77	13.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	11.81	11.79	11.75	13.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	11.86	11.76	11.80	13.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	11.77	11.80	11.77	13.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	11.80	11.78	11.76	13.50

【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		12.14		13.50
100	PI/2 BPSK	1	137		12.85		13.50
100	PI/2 BPSK	1	271		12.48		13.50
100	PI/2 BPSK	135	0		12.64		13.50
100	PI/2 BPSK	135	69		12.95		13.50
100	PI/2 BPSK	135	138		12.88		13.50
100	PI/2 BPSK	270	0		12.66		13.50
100	QPSK	1	1		12.09		13.50
100	QPSK	1	137		12.70		13.50
100	QPSK	1	271		12.50		13.50
100	QPSK	135	0		12.64		13.50
100	QPSK	135	69		12.94		13.50
100	QPSK	135	138		12.78		13.50
100	QPSK	270	0		12.72		13.50
100	16QAM	1	1		11.90		13.50
100	64QAM	1	1		11.94		13.50
100	256QAM	1	1		12.53		13.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	12.00	12.11	12.06	13.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	11.92	12.09	12.05	13.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	11.85	11.98	11.94	13.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	11.93	12.06	11.93	13.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	11.86	11.96	12.04	13.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	11.96	12.07	12.03	13.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	11.97	11.99	11.91	13.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	11.90	12.06	11.99	13.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	11.95	12.04	11.97	13.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	11.95	12.08	11.94	13.50

【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		14.18		14.50
100	PI/2 BPSK	1	137		14.46		14.50
100	PI/2 BPSK	1	271		13.92		14.50
100	PI/2 BPSK	135	0		14.36		14.50
100	PI/2 BPSK	135	69		14.49		14.50
100	PI/2 BPSK	135	138		14.42		14.50
100	PI/2 BPSK	270	0		14.40		14.50
100	QPSK	1	1		14.09		14.50
100	QPSK	1	137		14.46		14.50
100	QPSK	1	271		13.90		14.50
100	QPSK	135	0		14.34		14.50
100	QPSK	135	69		14.45		14.50
100	QPSK	135	138		14.37		14.50
100	QPSK	270	0		14.43		14.50



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100	16QAM	1	1		13.81		14.50
100	64QAM	1	1		13.85		14.50
100	256QAM	1	1		14.29		14.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	14.03	14.15	14.10	14.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	13.93	14.10	13.96	14.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	13.92	14.09	14.01	14.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	13.98	14.02	13.99	14.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	14.01	14.04	14.03	14.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	14.01	14.11	14.05	14.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	13.98	14.00	14.00	14.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	13.98	14.11	13.95	14.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	14.00	14.10	14.06	14.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	13.90	14.02	13.97	14.50

【FR1 n78 (270) FCC_Part 270 (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		13.42		14.50
100	PI/2 BPSK	1	137		14.08		14.50
100	PI/2 BPSK	1	271		13.86		14.50
100	PI/2 BPSK	135	0		13.89		14.50
100	PI/2 BPSK	135	69		14.15		14.50
100	PI/2 BPSK	135	138		14.05		14.50
100	PI/2 BPSK	270	0		13.95		14.50
100	QPSK	1	1		13.38		14.50
100	QPSK	1	137		13.95		14.50
100	QPSK	1	271		13.81		14.50
100	QPSK	135	0		13.90		14.50
100	QPSK	135	69		14.12		14.50
100	QPSK	135	138		14.01		14.50
100	QPSK	270	0		13.92		14.50
100	16QAM	1	1		13.18		14.50
100	64QAM	1	1		13.19		14.50
100	256QAM	1	1		13.69		14.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	13.31	13.40	13.37	14.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	13.26	13.32	13.29	14.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	13.29	13.28	13.27	14.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	13.25	13.32	13.26	14.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	13.17	13.35	13.33	14.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	13.22	13.32	13.28	14.50

Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	13.16	13.33	13.22	14.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	13.17	13.37	13.31	14.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	13.29	13.36	13.30	14.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	13.27	13.35	13.34	14.50

【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		15.19		16.50
100	PI/2 BPSK	1	137		15.64		16.50
100	PI/2 BPSK	1	271		15.03		16.50
100	PI/2 BPSK	135	0		15.59		16.50
100	PI/2 BPSK	135	69		15.65		16.50
100	PI/2 BPSK	135	138		15.32		16.50
100	PI/2 BPSK	270	0		15.43		16.50
100	QPSK	1	1		14.99		16.50
100	QPSK	1	137		15.35		16.50
100	QPSK	1	271		14.78		16.50
100	QPSK	135	0		15.50		16.50
100	QPSK	135	69		15.60		16.50
100	QPSK	135	138		15.30		16.50
100	QPSK	270	0		15.37		16.50
100	16QAM	1	1		15.25		16.50
100	64QAM	1	1		15.15		16.50
100	256QAM	1	1		15.09		16.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	15.10	15.17	15.13	16.50
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	15.08	15.14	15.03	16.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.00	15.04	15.10	16.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	15.04	15.15	14.99	16.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	15.05	15.04	15.12	16.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	15.09	15.04	15.04	16.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	15.06	15.15	15.11	16.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	15.05	15.08	14.99	16.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	15.00	15.15	15.03	16.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.02	15.16	15.06	16.50

【FR1 n78 (27O) _FCC_Part 27O (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		15.29		16.50
100	PI/2 BPSK	1	137		16.00		16.50
100	PI/2 BPSK	1	271		15.66		16.50
100	PI/2 BPSK	135	0		15.86		16.50
100	PI/2 BPSK	135	69		16.16		16.50
100	PI/2 BPSK	135	138		16.04		16.50
100	PI/2 BPSK	270	0		15.91		16.50
100	QPSK	1	1		15.14		16.50
100	QPSK	1	137		15.92		16.50
100	QPSK	1	271		15.65		16.50
100	QPSK	135	0		15.86		16.50
100	QPSK	135	69		16.12		16.50
100	QPSK	135	138		16.02		16.50
100	QPSK	270	0		15.91		16.50
100	16QAM	1	1		15.51		16.50
100	64QAM	1	1		15.35		16.50
100	256QAM	1	1		15.40		16.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.16	15.25	15.22	16.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.12	15.10	15.11	16.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.09	15.15	15.08	16.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.01	15.20	15.16	16.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.10	15.16	15.14	16.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.09	15.21	15.12	16.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.05	15.15	15.13	16.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.12	15.22	15.18	16.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.11	15.17	15.11	16.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.15	15.13	15.18	16.50

【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		16.19		17.50
100	PI/2 BPSK	1	137		16.79		17.50
100	PI/2 BPSK	1	271		15.91		17.50
100	PI/2 BPSK	135	0		16.64		17.50
100	PI/2 BPSK	135	69		16.72		17.50
100	PI/2 BPSK	135	138		16.36		17.50
100	PI/2 BPSK	270	0		16.44		17.50
100	QPSK	1	1		16.01		17.50
100	QPSK	1	137		16.60		17.50
100	QPSK	1	271		15.98		17.50
100	QPSK	135	0		16.54		17.50
100	QPSK	135	69		16.58		17.50
100	QPSK	135	138		16.31		17.50
100	QPSK	270	0		16.41		17.50
100	16QAM	1	1		16.31		17.50
100	64QAM	1	1		16.27		17.50
100	256QAM	1	1		16.21		17.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	16.08	16.15	16.11	17.50



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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	16.02	16.14	16.02	17.50
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	15.98	16.01	16.02	17.50
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.00	16.09	16.08	17.50
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.06	16.11	16.04	17.50
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.04	16.09	16.08	17.50
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.03	16.03	16.00	17.50
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.07	16.07	16.04	17.50
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	16.03	16.04	16.07	17.50
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	15.95	16.10	16.03	17.50

【FR1 n78 (270)_FCC_Part 270 (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		16.55		17.50
100	PI/2 BPSK	1	137		17.23		17.50
100	PI/2 BPSK	1	271		17.10		17.50
100	PI/2 BPSK	135	0		16.95		17.50
100	PI/2 BPSK	135	69		17.18		17.50
100	PI/2 BPSK	135	138		17.06		17.50
100	PI/2 BPSK	270	0		17.06		17.50
100	QPSK	1	1		16.29		17.50
100	QPSK	1	137		16.93		17.50
100	QPSK	1	271		16.85		17.50
100	QPSK	135	0		16.91		17.50
100	QPSK	135	69		17.11		17.50
100	QPSK	135	138		16.99		17.50
100	QPSK	270	0		16.94		17.50
100	16QAM	1	1		16.57		17.50
100	64QAM	1	1		16.50		17.50
100	256QAM	1	1		16.39		17.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	16.33	16.49	16.38	17.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	16.30	16.37	16.33	17.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	16.26	16.38	16.33	17.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	16.29	16.37	16.27	17.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	16.23	16.42	16.30	17.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	16.28	16.43	16.33	17.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.30	16.39	16.27	17.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	16.29	16.44	16.33	17.50



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Report No. : FA5D2601-04

Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	16.29	16.44	16.35	17.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	16.23	16.34	16.31	17.50

15. Antenna Location

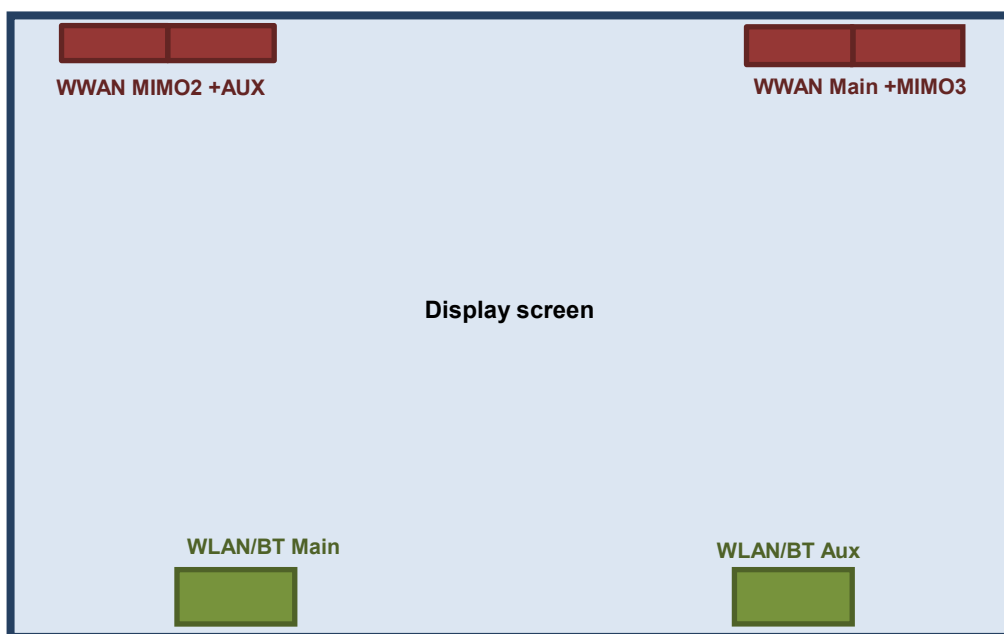
BE211NGW

For Tablet

Top

Left

Right



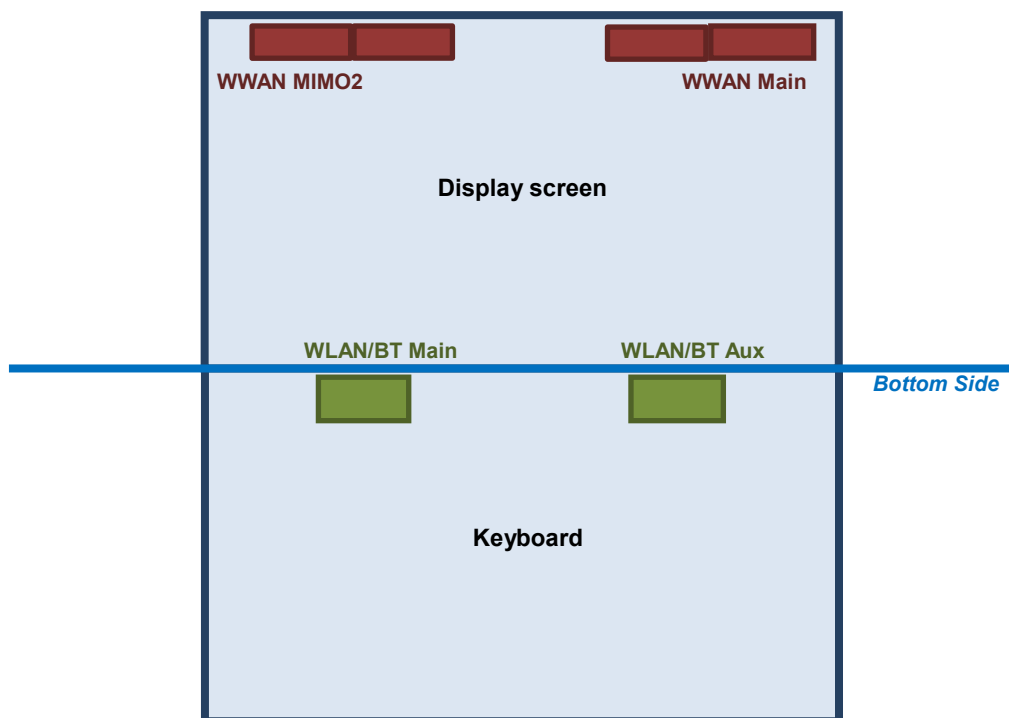
Bottom

Front View

The separation distance for antenna to edge :

Antenna	To Top (mm)	To Right (mm)	To Bottom (mm)	To Left (mm)
WWAN Main	<5	11.75	219.05	191.75
WWAN MIMO2	<5	191.75	219.05	11.75
WWAN MIMO3	<5	11.75	219.05	191.75
WWAN Aux	<5	191.75	219.05	11.75
WLAN/BT Main	207.80	252.37	<5	33.07
WLAN/BT Aux	207.80	33.07	<5	252.37

For Laptop

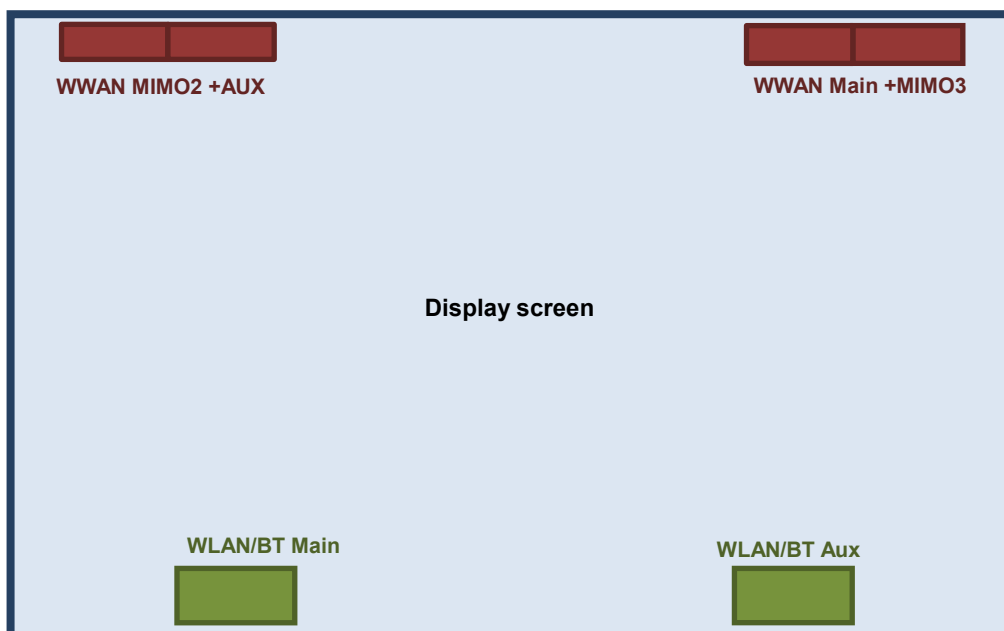


The separation distance for antenna to edge :

Antenna	To Bottom Side (mm)
WWAN Main	>200
WWAN MIMO2	>200
WWAN MIMO3	>200
WWAN Aux	>200
WLAN/BT Main	<5
WLAN/BT Aux	<5

AX211NGW/ MT7922A22M/ MT7925B22M

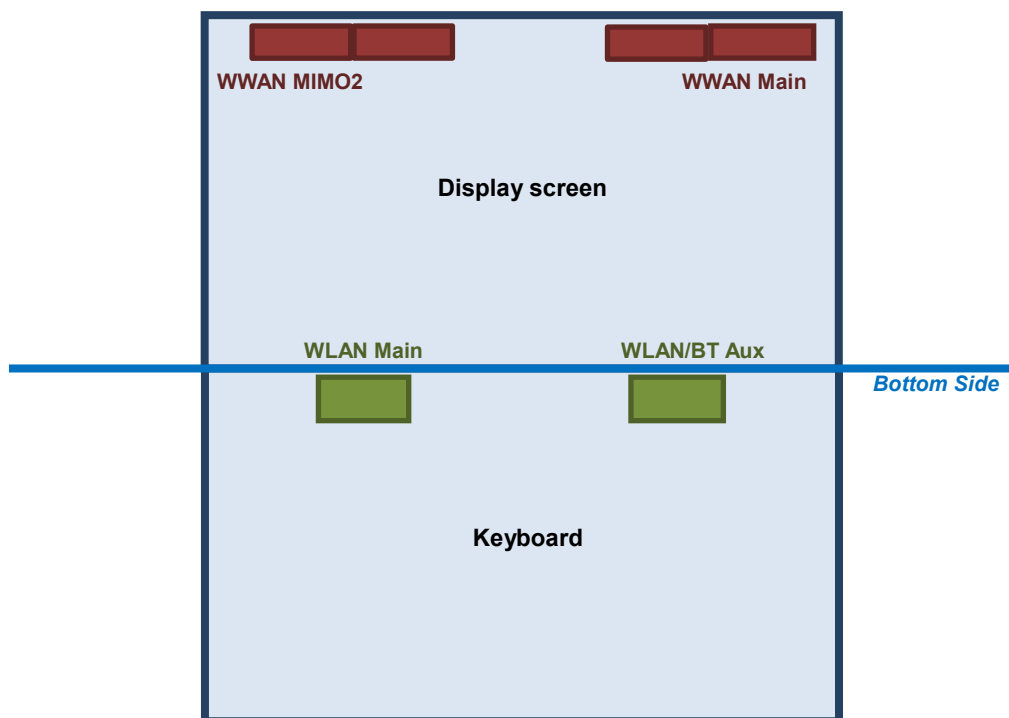
For Tablet

Top
Left

Right
Bottom
Front View

The separation distance for antenna to edge :

Antenna	To Top (mm)	To Right (mm)	To Bottom (mm)	To Left (mm)
WWAN Main	<5	11.75	219.05	191.75
WWAN MIMO2	<5	191.75	219.05	11.75
WWAN MIMO3	<5	11.75	219.05	191.75
WWAN Aux	<5	191.75	219.05	11.75
WLAN Main	207.80	252.37	<5	33.07
WLAN/BT Aux	207.80	33.07	<5	252.37

For Laptop



The separation distance for antenna to edge :

Antenna	To Bottom Side (mm)
WWAN Main	>200
WWAN MIMO2	>200
WWAN MIMO3	>200
WWAN Aux	>200
WLAN Main	<5
WLAN/BT Aux	<5

**SAR test exclusion table****General Note:**

1. The below table, when the distance is 50 mm exclusion threshold is "Ratio", when the distance is 50 mm exclusion threshold is "mW"
2. Maximum power is the source-based time-average power and represents the maximum RF output power among production units
3. 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.
4. 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.
5. 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
6. 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
 - a) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · (f(MHz)/150)] mW, at 100 MHz to 1500 MHz
 - b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at 1500 MHz and ≤ 6 GHz
7. The below table, exemption limits for routine evaluation based on frequency and separation distance was according to SAR-based Exemption – §1.1307(b)(3)(i)(B).

【Main】

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	22.98	25.0	25.0	25.0	27.5	22.0	25.0	25.0	25.0	22.98	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	198.61	316.23	316.23	316.23	562.34	158.49	316.23	316.23	316.23	316.23	198.61	316.23	316.23	316.23	562.34	158.49	501.19	501.19
Back	Separation Distance (mm)	20.35																														
	exclusion threshold	21.5	20.6	14.3	21.5	20.6	14.3	24.9	13.1	13.8	13.9	13.1	21.5	14.3	14.8	20.7	12.9	25.1	45.3	15.0	21.5	14.3	24.9	21.5	14.8	20.7	12.9	25.1	45.3	15.0	49.1	48.0
	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
Left	Separation Distance (mm)	191.75																														
	exclusion threshold	1526.0	1531.0	963.0	1526.0	1531.0	964.0	1511.0	853.0	910.0	920.0	851.0	1526.0	964.0	1516.0	1530.0	837.0	1510.0	1509.0	1496.0	1526.0	963.0	1511.0	1526.0	1516.0	1530.0	837.0	1510.0	1509.0	1496.0	1493.0	1494.0
	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
Right	Separation Distance (mm)	11.75																														
	exclusion threshold	37.2	35.6	24.8	37.2	35.6	24.8	43.1	22.8	23.8	24.0	22.7	37.2	24.8	25.7	35.9	22.4	43.5	78.5	25.9	37.2	24.8	43.1	37.2	25.7	35.9	22.4	43.5	78.4	25.9	85.0	83.1
	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
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	60.4	84.4	52.7	102.3	184.4	61.0	87.3	58.2	101.3	87.5	60.4	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
Bottom	Separation Distance (mm)	219.05																														
	exclusion threshold	1799.0	1804.0	1117.0	1799.0	1804.0	1119.0	1784.0	983.0	1053.0	1064.0	981.0	1799.0	1119.0	1789.0	1803.0	963.0	1783.0	1782.0	1769.0	1799.0	1117.0	1784.0	1799.0	1789.0	1803.0	963.0	1783.0	1782.0	1769.0	1766.0	1767.0
	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

【MIMO2】

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	22.98	25.0	25.0	27.5	22.0	25.0	25.0	25.0	22.98	25.0	25.0	27.5	22.0	27.0	27.0
	Maximum Rated Power (mW)	316.23	316.23	316.23	316.23	198.61	316.23	316.23	562.34	158.49	316.23	316.23	316.23	198.61	316.23	316.23	562.34	158.49	501.19	501.19
Back	Separation Distance (mm)	20.35																		
	exclusion threshold	21.5	20.6	24.9	21.5	14.8	20.7	25.1	45.3	15.0	21.5	24.9	21.5	14.8	20.7	25.1	45.3	15.0	49.1	48.0
	Testing Required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Left	Separation Distance (mm)	11.75																		
	exclusion threshold	37.2	35.6	43.1	37.2	25.7	35.9	43.5	78.5	25.9	37.2	43.1	37.2	25.7	35.9	43.5	78.4	25.9	85.0	83.1
	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)	191.75																		
	exclusion threshold	1526.0	1531.0	1511.0	1526.0	1516.0	1530.0	1510.0	1509.0	1496.0	1526.0	1511.0	1526.0	1516.0	1530.0	1510.0	1509.0	1496.0	1493.0	1494.0
	Testing Required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Top	Separation Distance (mm)	5.00																		
	exclusion threshold	87.4	83.8	101.3	87.5	60.4	84.4	102.3	184.4	61.0	87.3	101.3	87.5	60.4	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
Bottom	Separation Distance (mm)	219.05																		
	exclusion threshold	1799.0	1804.0	1784.0	1799.0	1789.0	1803.0	1783.0	1782.0	1769.0	1799.0	1784.0	1799.0	1789.0	1803.0	1783.0	1782.0	1769.0	1766.0	1767.0
	Testing Required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

【MIMO3】

Exposure Position	Wireless Interface	FR1 n41	FR1 n77	FR1 n78
	Calculated Frequency (MHz)	2685	3975	3795
	Maximum Power (dBm)	23.5	19.5	19.5
	Maximum Rated Power (mW)	223.87	89.13	89.13
Back	Separation Distance (mm)	20.35		
	exclusion threshold	18.0	8.7	8.5
	Testing Required?	Yes	Yes	Yes
Left	Separation Distance (mm)	191.75		
	exclusion threshold	1509.0	1493.0	1494.0
	Testing Required?	No	No	No
Right	Separation Distance (mm)	11.75		
	exclusion threshold	31.2	15.1	14.8
	Testing Required?	Yes	Yes	Yes
Top	Separation Distance (mm)	5.00		
	exclusion threshold	73.4	35.5	34.7
	Testing Required?	Yes	Yes	Yes
Bottom	Separation Distance (mm)	219.05		
	exclusion threshold	1782.0	1766.0	1767.0
	Testing Required?	No	No	No

【AUX】

Exposure Position	Wireless Interface	FR1 n41	FR1 n77	FR1 n78
	Calculated Frequency (MHz)	2685	3975	3795
	Maximum Power (dBm)	21.0	18.5	18.5
	Maximum Rated Power (mW)	125.89	70.79	70.79
Back	Separation Distance (mm)	20.35		
	exclusion threshold	10.1	6.9	6.8
	Testing Required?	Yes	Yes	Yes
Left	Separation Distance (mm)	11.75		
	exclusion threshold	17.6	12.0	11.7
	Testing Required?	Yes	Yes	Yes
Right	Separation Distance (mm)	191.75		
	exclusion threshold	1509.0	1493.0	1494.0
	Testing Required?	No	No	No
Top	Separation Distance (mm)	5.00		
	exclusion threshold	41.3	28.2	27.6
	Testing Required?	Yes	Yes	Yes
Bottom	Separation Distance (mm)	219.05		
	exclusion threshold	1782.0	1766.0	1767.0
	Testing Required?	No	No	No

16. 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 WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - c. 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. And only for TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission
 - g. For NR FDD was establishing connections via a base station simulator to use for output power measurement and SAR testing.



16.1 Body SAR

【WCDMA SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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	Back	8mm	Main	Sensor Off	9400	1880	WNC	23.36	25.00	1.459	-0.01	0.055	0.080
	WCDMA II	RMC 12.2Kbps	Right	0mm	Main	Sensor Off	9400	1880	WNC	23.36	25.00	1.459	-0.13	0.474	0.692
	WCDMA II	RMC 12.2Kbps	Top	41mm	Main	Sensor Off	9400	1880	WNC	23.36	25.00	1.459	-0.16	0.051	0.074
	WCDMA II	RMC 12.2Kbps	Back	0mm	Main	Sensor On	9400	1880	WNC	17.96	19.00	1.271	0.17	0.128	0.163
	WCDMA II	RMC 12.2Kbps	Top	0mm	Main	Sensor On	9400	1880	WNC	17.96	19.00	1.271	0.04	0.665	0.845
01	WCDMA II	RMC 12.2Kbps	Top	0mm	Main	Sensor On	9262	1852.4	WNC	17.84	19.00	1.306	0.01	0.709	0.926
	WCDMA II	RMC 12.2Kbps	Top	0mm	Main	Sensor On	9538	1907.6	WNC	17.94	19.00	1.276	-0.01	0.444	0.567
	WCDMA II	RMC 12.2Kbps	Top	0mm	Main	Sensor On	9262	1852.4	Auden	17.84	19.00	1.306	-0.03	0.544	0.710
	WCDMA IV	RMC 12.2Kbps	Back	8mm	Main	Sensor Off	1312	1712.4	WNC	23.63	25.00	1.371	-0.05	0.061	0.084
	WCDMA IV	RMC 12.2Kbps	Right	0mm	Main	Sensor Off	1312	1712.4	WNC	23.63	25.00	1.371	0.05	0.174	0.239
	WCDMA IV	RMC 12.2Kbps	Top	41mm	Main	Sensor Off	1312	1712.4	WNC	23.63	25.00	1.371	0.00	0.001	0.001
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Main	Sensor On	1312	1712.4	WNC	19.29	19.50	1.05	-0.01	0.059	0.062
	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor On	1312	1712.4	WNC	19.29	19.50	1.05	0.03	0.920	0.966
	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor On	1413	1732.6	WNC	19.11	19.50	1.094	-0.09	0.908	0.993
02	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor On	1513	1752.6	WNC	19.27	19.50	1.054	0.02	1.110	1.170
	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor On	1513	1752.6	Auden	19.27	19.50	1.054	0.06	0.845	0.891
	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor On	1312	1712.4	Auden	19.29	19.50	1.05	-0.18	0.788	0.827
	WCDMA IV	RMC 12.2Kbps	Top	0mm	Main	Sensor On	1413	1732.6	Auden	19.11	19.50	1.094	-0.08	0.897	0.981
	WCDMA V	RMC 12.2Kbps	Back	8mm	Main	Sensor Off	4182	836.4	WNC	23.57	25.00	1.39	0.00	0.001	0.001
	WCDMA V	RMC 12.2Kbps	Left	0mm	Main	Sensor Off	4182	836.4	WNC	23.57	25.00	1.39	0.00	0.001	0.001
	WCDMA V	RMC 12.2Kbps	Right	0mm	Main	Sensor Off	4182	836.4	WNC	23.57	25.00	1.39	-0.08	0.149	0.207
	WCDMA V	RMC 12.2Kbps	Top	41mm	Main	Sensor Off	4182	836.4	WNC	23.57	25.00	1.39	0.00	0.001	0.001
	WCDMA V	RMC 12.2Kbps	Back	0mm	Main	Sensor On	4182	836.4	WNC	17.65	18.00	1.084	0.00	0.001	0.001
03	WCDMA V	RMC 12.2Kbps	Top	0mm	Main	Sensor On	4182	836.4	WNC	17.65	18.00	1.084	-0.01	0.246	0.267
	WCDMA V	RMC 12.2Kbps	Top	0mm	Main	Sensor On	4182	836.4	Auden	17.65	18.00	1.084	-0.15	0.212	0.230

【LTE SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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	Back	8mm	Main	Sensor Off	21100	2535	WNC	23.48	25.00	1.419			0.18	0.112	0.159
	LTE Band 7	20M	QPSK	50	0	Back	8mm	Main	Sensor Off	21100	2535	WNC	22.47	24.00	1.422			0.03	0.093	0.132
	LTE Band 7	20M	QPSK	1	0	Left	0mm	Main	Sensor Off	21100	2535	WNC	23.48	25.00	1.419			0.11	0.216	0.307
	LTE Band 7	20M	QPSK	50	0	Left	0mm	Main	Sensor Off	21100	2535	WNC	22.47	24.00	1.422			-0.10	0.160	0.228
	LTE Band 7	20M	QPSK	1	0	Right	0mm	Main	Sensor Off	21100	2535	WNC	23.48	25.00	1.419			-0.05	0.437	0.620
	LTE Band 7	20M	QPSK	50	0	Right	0mm	Main	Sensor Off	21100	2535	WNC	22.47	24.00	1.422			0.06	0.342	0.486
	LTE Band 7	20M	QPSK	1	0	Top	41mm	Main	Sensor Off	21100	2535	WNC	23.48	25.00	1.419			0.17	0.068	0.096
	LTE Band 7	20M	QPSK	50	0	Top	41mm	Main	Sensor Off	21100	2535	WNC	22.47	24.00	1.422			0.00	0.054	0.077
	LTE Band 7	20M	QPSK	1	0	Back	0mm	Main	Sensor On	21100	2535	WNC	16.49	17.00	1.125			-0.08	0.046	0.052
	LTE Band 7	20M	QPSK	50	0	Back	0mm	Main	Sensor On	21100	2535	WNC	16.43	17.00	1.14			0.13	0.045	0.051
04	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor On	21100	2535	WNC	16.49	17.00	1.125			0.03	1.000	1.125
	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor On	20850	2510	WNC	16.35	17.00	1.161			0.08	0.963	1.118
	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor On	21350	2560	WNC	16.27	17.00	1.183			0.07	0.901	1.066
	LTE Band 7	20M	QPSK	50	0	Top	0mm	Main	Sensor On	21100	2535	WNC	16.43	17.00	1.14			-0.02	0.950	1.083
	LTE Band 7	20M	QPSK	50	0	Top	0mm	Main	Sensor On	20850	2510	WNC	16.23	17.00	1.194			-0.10	0.899	1.073
	LTE Band 7	20M	QPSK	50	0	Top	0mm	Main	Sensor On	21350	2560	WNC	16.15	17.00	1.216			0.02	0.915	1.113
	LTE Band 7	20M	QPSK	100	0	Top	0mm	Main	Sensor On	21100	2535	WNC	16.41	17.00	1.146			-0.03	0.810	0.928
	LTE Band 7C	20M	QPSK	1	99	Top	0mm	Main	Sensor On	21100+21298	2535	WNC	16.20	17.00	1.202			0.07	0.888	1.067
	LTE Band 7C	20M	QPSK	1	99	Top	0mm	Main	Sensor On	20850+21048	2510	WNC	16.09	17.00	1.233			0.08	0.855	1.054
	LTE Band 7C	20M	QPSK	1	0	Top	0mm	Main	Sensor On	21350+21152	2560	WNC	16.15	17.00	1.216			0.06	0.800	0.973
	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor On	21100	2535	Auden	16.49	17.00	1.125			-0.03	0.941	1.059
	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor On	20850	2510	Auden	16.35	17.00	1.161			0.02	0.857	0.995
	LTE Band 7	20M	QPSK	1	0	Top	0mm	Main	Sensor On	21350	2560	Auden	16.27	17.00	1.183			0.07	0.933	1.104
	LTE Band 7	20M	QPSK	1	0	Back	4mm	MIMO2	Sensor Off	21100	2535	WNC	23.24	25.00	1.5			-0.07	0.001	0.002
	LTE Band 7	20M	QPSK	50	0	Back	4mm	MIMO2	Sensor Off	21100	2535	WNC	22.22	24.00	1.507			-0.01	0.040	0.060
	LTE Band 7	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor Off	21100	2535	WNC	23.24	25.00	1.5			0.00	0.453	0.680
	LTE Band 7	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor Off	21100	2535	WNC	22.22	24.00	1.507			-0.13	0.436	0.657
	LTE Band 7	20M	QPSK	1	0	Right	0mm	MIMO2	Sensor Off	21100	2535	WNC	23.24	25.00	1.5			-0.08	0.102	0.153



FCC SAR TEST REPORT

Report No. : FA5D2601-04

	LTE Band 7	20M	QPSK	50	0	Right	0mm	MIMO2	Sensor Off	21100	2535	WNC	22.22	24.00	1.507			0.04	0.106	0.160
	LTE Band 7	20M	QPSK	1	0	Top	29mm	MIMO2	Sensor Off	21100	2535	WNC	23.24	25.00	1.5			-0.10	0.070	0.105
	LTE Band 7	20M	QPSK	50	0	Top	29mm	MIMO2	Sensor Off	21100	2535	WNC	22.22	24.00	1.507			0.17	0.069	0.104
	LTE Band 7	20M	QPSK	1	0	Back	0mm	MIMO2	Sensor On	21100	2535	WNC	17.80	18.50	1.175			0.06	0.001	0.001
	LTE Band 7	20M	QPSK	50	0	Back	0mm	MIMO2	Sensor On	21100	2535	WNC	17.78	18.50	1.18			0.08	0.001	0.001
	LTE Band 7	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	21100	2535	WNC	17.80	18.50	1.175			0.01	0.790	0.928
	LTE Band 7	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	20850	2510	WNC	17.74	18.50	1.191			-0.07	0.541	0.644
	LTE Band 7	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	21350	2560	WNC	17.62	18.50	1.225			0.14	0.815	0.998
	LTE Band 7	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	21100	2535	WNC	17.78	18.50	1.18			-0.11	0.672	0.793
	LTE Band 7	20M	QPSK	100	0	Top	0mm	MIMO2	Sensor On	21100	2535	WNC	17.76	18.50	1.186			0.11	0.741	0.879
	LTE Band 7C	20M	QPSK	1	99	Top	0mm	MIMO2	Sensor On	21100+21298	2535	WNC	17.46	18.50	1.271			0.05	0.723	0.919
	LTE Band 7C	20M	QPSK	1	99	Top	0mm	MIMO2	Sensor On	20850+21048	2510	WNC	17.59	18.50	1.233			0.01	0.480	0.592
	LTE Band 7C	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	21350+21152	2560	WNC	17.50	18.50	1.259			-0.05	0.701	0.883
	LTE Band 7	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	21350	2560	Auden	17.50	18.50	1.259			0.16	0.884	1.113
	LTE Band 7	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	20850	2510	Auden	17.66	18.50	1.213			0.07	0.601	0.729
	LTE Band 7	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	21100	2535	Auden	17.78	18.50	1.18			0.08	0.699	0.825
	LTE Band 12	10M	QPSK	1	0	Back	8mm	Main	Sensor Off	23095	707.5	WNC	23.68	25.00	1.355			-0.13	0.044	0.060
	LTE Band 12	10M	QPSK	25	0	Back	8mm	Main	Sensor Off	23095	707.5	WNC	22.65	24.00	1.365			0.00	0.001	0.001
	LTE Band 12	10M	QPSK	1	0	Left	0mm	Main	Sensor Off	23095	707.5	WNC	23.68	25.00	1.355			0.02	0.036	0.049
	LTE Band 12	10M	QPSK	25	0	Left	0mm	Main	Sensor Off	23095	707.5	WNC	22.65	24.00	1.365			0.00	0.001	0.001
	LTE Band 12	10M	QPSK	1	0	Right	0mm	Main	Sensor Off	23095	707.5	WNC	23.68	25.00	1.355			-0.15	0.030	0.041
	LTE Band 12	10M	QPSK	25	0	Right	0mm	Main	Sensor Off	23095	707.5	WNC	22.65	24.00	1.365			0.00	0.001	0.001
	LTE Band 12	10M	QPSK	1	0	Top	41mm	Main	Sensor Off	23095	707.5	WNC	23.68	25.00	1.355			0.00	0.001	0.001
	LTE Band 12	10M	QPSK	25	0	Top	41mm	Main	Sensor Off	23095	707.5	WNC	22.65	24.00	1.365			0.00	0.001	0.001
	LTE Band 12	10M	QPSK	1	0	Back	0mm	Main	Sensor On	23095	707.5	WNC	20.25	21.00	1.189			0.10	0.049	0.058
	LTE Band 12	10M	QPSK	25	0	Back	0mm	Main	Sensor On	23095	707.5	WNC	20.20	21.00	1.202			0.13	0.048	0.058
05	LTE Band 12	10M	QPSK	1	0	Top	0mm	Main	Sensor On	23095	707.5	WNC	20.25	21.00	1.189			-0.03	0.508	0.604
	LTE Band 12	10M	QPSK	25	0	Top	0mm	Main	Sensor On	23095	707.5	WNC	20.20	21.00	1.202			0.04	0.481	0.578
	LTE Band 12	10M	QPSK	1	0	Top	0mm	Main	Sensor On	23095	707.5	Auden	20.25	21.00	1.189			0.00	0.354	0.421
	LTE Band 13	10M	QPSK	1	0	Back	8mm	Main	Sensor Off	23230	782	WNC	23.65	25.00	1.365			0.00	0.001	0.001
	LTE Band 13	10M	QPSK	25	0	Back	8mm	Main	Sensor Off	23230	782	WNC	22.59	24.00	1.384			0.00	0.001	0.001
	LTE Band 13	10M	QPSK	1	0	Left	0mm	Main	Sensor Off	23230	782	WNC	23.65	25.00	1.365			-0.14	0.097	0.132
	LTE Band 13	10M	QPSK	25	0	Left	0mm	Main	Sensor Off	23230	782	WNC	22.59	24.00	1.384			-0.18	0.072	0.100
	LTE Band 13	10M	QPSK	1	0	Right	0mm	Main	Sensor Off	23230	782	WNC	23.65	25.00	1.365			-0.18	0.220	0.300
	LTE Band 13	10M	QPSK	25	0	Right	0mm	Main	Sensor Off	23230	782	WNC	22.59	24.00	1.384			0.09	0.102	0.141
	LTE Band 13	10M	QPSK	1	0	Top	41mm	Main	Sensor Off	23230	782	WNC	23.65	25.00	1.365			0.00	0.001	0.001
	LTE Band 13	10M	QPSK	25	0	Top	41mm	Main	Sensor Off	23230	782	WNC	22.59	24.00	1.384			0.00	0.001	0.001
	LTE Band 13	10M	QPSK	1	0	Back	0mm	Main	Sensor On	23230	782	WNC	17.69	18.50	1.205			-0.15	0.054	0.065
	LTE Band 13	10M	QPSK	25	0	Back	0mm	Main	Sensor On	23230	782	WNC	17.63	18.50	1.222			0.02	0.049	0.060
06	LTE Band 13	10M	QPSK	1	0	Top	0mm	Main	Sensor On	23230	782	WNC	17.69	18.50	1.205			-0.01	0.719	0.866
	LTE Band 13	10M	QPSK	25	0	Top	0mm	Main	Sensor On	23230	782	WNC	17.63	18.50	1.222			-0.13	0.698	0.853
	LTE Band 13	10M	QPSK	50	0	Top	0mm	Main	Sensor On	23230	782	WNC	17.56	18.50	1.242			-0.06	0.659	0.818
	LTE Band 13	10M	QPSK	1	0	Top	0mm	Main	Sensor On	23230	782	Auden	17.69	18.50	1.205			-0.10	0.681	0.821
	LTE Band 14	10M	QPSK	1	0	Back	8mm	Main	Sensor Off	23330	793	WNC	23.65	25.00	1.365			0.00	0.001	0.001
	LTE Band 14	10M	QPSK	25	0	Back	8mm	Main	Sensor Off	23330	793	WNC	22.59	24.00	1.384			0.00	0.001	0.001
	LTE Band 14	10M	QPSK	1	0	Left	0mm	Main	Sensor Off	23330	793	WNC	23.65	25.00	1.365			0.00	0.132	0.180
	LTE Band 14	10M	QPSK	25	0	Left	0mm	Main	Sensor Off	23330	793	WNC	22.59	24.00	1.384			-0.12	0.099	0.137
	LTE Band 14	10M	QPSK	1	0	Right	0mm	Main	Sensor Off	23330	793	WNC	23.65	25.00	1.365			-0.09	0.347	0.474
	LTE Band 14	10M	QPSK	25	0	Right	0mm	Main	Sensor Off	23330	793	WNC	22.59	24.00	1.384			-0.17	0.167	0.231
	LTE Band 14	10M	QPSK	1	0	Top	41mm	Main	Sensor Off	23330	793	WNC	23.65	25.00	1.365			0.00	0.001	0.001
	LTE Band 14	10M	QPSK	25	0	Top	41mm	Main	Sensor Off	23330	793	WNC	22.59	24.00	1.384			0.00	0.001	0.001
	LTE Band 14	10M	QPSK	1	0	Back	0mm	Main	Sensor On	23330	793	WNC	17.70	18.50	1.202			0.07	0.055	0.066
	LTE Band 14	10M	QPSK	25	0	Back	0mm	Main	Sensor On	23330	793	WNC	17.62	18.50	1.225			0.05	0.046	0.056
07	LTE Band 14	10M	QPSK	1	0	Top	0mm	Main	Sensor On	23330	793	WNC	17.70	18.50	1.202			0.01	0.688	0.827
	LTE Band 14	10M	QPSK	25	0	Top	0mm	Main	Sensor On	23330	793	WNC	17.62	18.50	1.225			0.01	0.669	0.820
	LTE Band 14	10M	QPSK	50	0	Top	0mm	Main	Sensor On	23330	793	WNC	17.61	18.50	1.227			0.08	0.656	0.805
	LTE Band 14	10M	QPSK	1	0	Top	0mm	Main	Sensor On	23330	793	Auden	17.70	18.50	1.202			-0.16	0.633	0.761
	LTE Band 25	20M	QPSK	1	0	Back	8mm	Main	Sensor Off	26340	1880	WNC	23.50	25.00	1.413			0.05	0.063	0.089
	LTE Band 25	20M	QPSK	50	0	Back	8mm	Main	Sensor Off	26340	1880	WNC	22.60	24.00	1.38			-0.10	0.047	0.065
	LTE Band 25	20M	QPSK	1	0	Right	0mm	Main	Sensor Off	26340	1880	WNC	23.50	25.00	1.413			-0.01	0.757	1.070
	LTE Band 25	20M	QPSK	1	0	Right	0mm	Main	Sensor Off	26140	1860	WNC	23.40	25.00	1.445			-0.07	0.673	0.972
	LTE Band 25	20M	QPSK	1	0	Right	0mm	Main	Sensor Off	26590	1905	WNC	23.38	25.00	1.452			-0.06	0.714	1.037
	LTE Band 25	20M	QPSK	50	0	Right	0mm	Main	Sensor Off	26340	1880	WNC	22.60	24.00	1.38			0.00	0.638	0.880
	LTE Band 25	20M	QPSK	50	0	Right	0mm	Main	Sensor Off	26140	1860	WNC	22.41	24.00	1.442			-0.14	0.555	0.800
	LTE Band 25	20M	QPSK	50	0	Right	0mm	Main	Sensor Off	26590	1905	WNC	22.42	24.00	1.439			-0.10	0.589	0.848
	LTE Band 25	20M	QPSK	100	0	Right	0mm	Main	Sensor Off	26340	1880	WNC	22.60	24.00	1.38			-0.03	0.630	0.869
	LTE Band 25	20M	QPSK	1	0	Top	41mm	Main	Sensor Off	26340	1880	WNC	23.50	25.00	1.413			0.08	0.034	0.048
	LTE Band 25	20M	QPSK	50	0	Top	41mm	Main	Sensor Off	26340	1880	WNC	22.60	24.00	1.38			0.18	0.001	0.001
	LTE Band 25	20M	QPSK	1	0	Back	0mm	Main	Sensor On	26340	1880	WNC	18.53	19.00	1.114			-0.10	0.055	0.061
	LTE Band 25	20M	QPSK	50	0	Back	0mm	Main	Sensor On	26340	1880	WNC	18.52	19.00	1.117			0.18	0.058	0.065
	LTE Band 25	20M	QPSK	1	0	Top	0mm	Main	Sensor On	26340	1880	WNC	18.53	19.00	1.114			0.16	0.548	0.610
	LTE Band 25	20M	QPSK	50	0	Top	0mm	Main	Sensor On	26340	1880	WNC	18.52	19.00	1.117			0.16	0.533	0.595
	LTE Band 25	20M	QPSK	1	0	Right	0mm	Main	Sensor Off	26340	1880	Auden	23.50	25.00	1.413			0.10	0.489	0.691
	LTE Band 25	20M	QPSK	1	0	Right	0mm	Main	Sensor Off	26140	1860	Auden	23.40	25.00	1.445			-0.07	0.435	0.629



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	LTE Band 25	20M	QPSK	1	0	Right	0mm	Main	Sensor Off	26590	1905	Auden	23.38	25.00	1.452			0.10	0.461	0.669
	LTE Band 25	20M	QPSK	1	0	Back	4mm	MIMO2	Sensor Off	26340	1880	WNC	23.63	25.00	1.371			0.12	0.121	0.166
	LTE Band 25	20M	QPSK	50	0	Back	4mm	MIMO2	Sensor Off	26340	1880	WNC	22.53	24.00	1.403			-0.02	0.090	0.126
08	LTE Band 25	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor Off	26340	1880	WNC	23.63	25.00	1.371			0.03	0.852	1.168
	LTE Band 25	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor Off	26140	1860	WNC	23.61	25.00	1.377			-0.07	0.707	0.974
	LTE Band 25	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor Off	26590	1905	WNC	23.50	25.00	1.413			0.15	0.652	0.921
	LTE Band 25	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor Off	26340	1880	WNC	22.53	24.00	1.403			0.12	0.702	0.985
	LTE Band 25	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor Off	26140	1860	WNC	22.45	24.00	1.429			0.09	0.578	0.826
	LTE Band 25	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor Off	26590	1905	WNC	22.47	24.00	1.422			0.00	0.538	0.765
	LTE Band 25	20M	QPSK	100	0	Left	0mm	MIMO2	Sensor Off	26340	1880	WNC	22.54	24.00	1.4			-0.14	0.767	1.074
	LTE Band 25	20M	QPSK	1	0	Top	29mm	MIMO2	Sensor Off	26340	1880	WNC	23.63	25.00	1.371			-0.15	0.056	0.077
	LTE Band 25	20M	QPSK	50	0	Top	29mm	MIMO2	Sensor Off	26340	1880	WNC	22.53	24.00	1.403			-0.17	0.047	0.066
	LTE Band 25	20M	QPSK	1	0	Back	0mm	MIMO2	Sensor On	26340	1880	WNC	19.84	20.00	1.038			0.09	0.001	0.001
	LTE Band 25	20M	QPSK	50	0	Back	0mm	MIMO2	Sensor On	26340	1880	WNC	19.72	20.00	1.067			-0.18	0.001	0.001
	LTE Band 25	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	26340	1880	WNC	19.84	20.00	1.038			0.09	0.970	1.007
	LTE Band 25	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	26140	1860	WNC	19.71	20.00	1.069			0.09	1.070	1.144
	LTE Band 25	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	26590	1905	WNC	19.60	20.00	1.096			0.04	0.889	0.974
	LTE Band 25	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	26340	1880	WNC	19.72	20.00	1.067			-0.04	0.951	1.015
	LTE Band 25	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	26140	1860	WNC	19.63	20.00	1.089			0.00	1.070	1.165
	LTE Band 25	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	26590	1905	WNC	19.54	20.00	1.112			0.11	0.938	1.043
	LTE Band 25	20M	QPSK	100	0	Top	0mm	MIMO2	Sensor On	26340	1880	WNC	19.68	20.00	1.076			-0.08	0.887	0.954
	LTE Band 25	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor Off	26340	1880	Auden	23.63	25.00	1.371			-0.18	0.834	1.143
	LTE Band 25	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor Off	26140	1860	Auden	23.61	25.00	1.377			0.13	0.811	1.117
	LTE Band 25	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor Off	26590	1905	Auden	23.50	25.00	1.413			0.06	0.578	0.817
	LTE Band 26	15M	QPSK	1	0	Back	8mm	Main	Sensor Off	26865	831.5	WNC	23.68	25.00	1.355			0.00	0.001	0.001
	LTE Band 26	15M	QPSK	36	0	Back	8mm	Main	Sensor Off	26865	831.5	WNC	22.60	24.00	1.38			0.00	0.001	0.001
	LTE Band 26	15M	QPSK	1	0	Right	0mm	Main	Sensor Off	26865	831.5	WNC	23.68	25.00	1.355			0.03	0.096	0.130
	LTE Band 26	15M	QPSK	36	0	Right	0mm	Main	Sensor Off	26865	831.5	WNC	22.60	24.00	1.38			0.00	0.001	0.001
	LTE Band 26	15M	QPSK	1	0	Top	41mm	Main	Sensor Off	26865	831.5	WNC	23.68	25.00	1.355			0.00	0.001	0.001
	LTE Band 26	15M	QPSK	36	0	Top	41mm	Main	Sensor Off	26865	831.5	WNC	22.60	24.00	1.38			0.00	0.001	0.001
	LTE Band 26	15M	QPSK	1	0	Back	0mm	Main	Sensor On	26865	831.5	WNC	17.69	18.50	1.205			0.00	0.001	0.001
	LTE Band 26	15M	QPSK	36	0	Back	0mm	Main	Sensor On	26865	831.5	WNC	17.62	18.50	1.225			0.00	0.001	0.001
	LTE Band 26	15M	QPSK	1	0	Top	0mm	Main	Sensor On	26865	831.5	WNC	17.69	18.50	1.205			-0.01	0.709	0.854
09	LTE Band 26	15M	QPSK	36	0	Top	0mm	Main	Sensor On	26865	831.5	WNC	17.62	18.50	1.225			-0.00	0.712	0.872
	LTE Band 26	15M	QPSK	75	0	Top	0mm	Main	Sensor On	26865	831.5	WNC	17.64	18.50	1.219			-0.11	0.702	0.856
	LTE Band 5B	10M	QPSK	1	49	Top	0mm	Main	Sensor On	20450+20549	829	WNC	17.42	18.50	1.282			0.03	0.662	0.849
	LTE Band 5B	10M	QPSK	1	49	Top	0mm	Main	Sensor On	20476+20575	831.6	WNC	17.55	18.50	1.245			0.09	0.644	0.802
	LTE Band 5B	10M	QPSK	1	0	Top	0mm	Main	Sensor On	20600+20501	844	WNC	17.53	18.50	1.25			0.11	0.632	0.790
	LTE Band 26	15M	QPSK	36	0	Top	0mm	Main	Sensor On	26865	831.5	Auden	17.62	18.50	1.225			-0.04	0.695	0.851
	LTE Band 30	10M	QPSK	1	0	Back	8mm	Main	Sensor Off	27710	2310	WNC	21.79	22.98	1.315			-0.16	0.121	0.159
	LTE Band 30	10M	QPSK	25	0	Back	8mm	Main	Sensor Off	27710	2310	WNC	21.70	21.98	1.067			0.10	0.119	0.127
	LTE Band 30	10M	QPSK	1	0	Right	0mm	Main	Sensor Off	27710	2310	WNC	21.79	22.98	1.315			0.15	0.136	0.179
	LTE Band 30	10M	QPSK	25	0	Right	0mm	Main	Sensor Off	27710	2310	WNC	21.70	21.98	1.067			-0.08	0.134	0.143
	LTE Band 30	10M	QPSK	1	0	Top	41mm	Main	Sensor Off	27710	2310	WNC	21.79	22.98	1.315			0.00	0.001	0.001
	LTE Band 30	10M	QPSK	25	0	Top	41mm	Main	Sensor Off	27710	2310	WNC	21.70	21.98	1.067			0.00	0.001	0.001
	LTE Band 30	10M	QPSK	1	0	Back	0mm	Main	Sensor On	27710	2310	WNC	20.42	20.50	1.019			-0.05	0.152	0.155
	LTE Band 30	10M	QPSK	25	0	Back	0mm	Main	Sensor On	27710	2310	WNC	20.33	20.50	1.04			-0.04	0.149	0.155
	LTE Band 30	10M	QPSK	1	0	Top	0mm	Main	Sensor On	27710	2310	WNC	20.42	20.50	1.019			0.00	1.060	1.080
10	LTE Band 30	10M	QPSK	25	0	Top	0mm	Main	Sensor On	27710	2310	WNC	20.33	20.50	1.04			0.02	1.050	1.092
	LTE Band 30	10M	QPSK	50	0	Top	0mm	Main	Sensor On	27710	2310	WNC	20.37	20.50	1.03			0.13	1.030	1.061
	LTE Band 30	10M	QPSK	25	0	Top	0mm	Main	Sensor On	27710	2310	Auden	20.33	20.50	1.04			-0.12	0.983	1.022
	LTE Band 30	10M	QPSK	1	0	Back	4mm	MIMO2	Sensor Off	27710	2310	WNC	21.85	22.98	1.297			-0.16	0.065	0.084
	LTE Band 30	10M	QPSK	25	0	Back	4mm	MIMO2	Sensor Off	27710	2310	WNC	21.81	21.98	1.04			-0.06	0.068	0.071
	LTE Band 30	10M	QPSK	1	0	Left	0mm	MIMO2	Sensor Off	27710	2310	WNC	21.85	22.98	1.297			0.10	0.072	0.093
	LTE Band 30	10M	QPSK	25	0	Left	0mm	MIMO2	Sensor Off	27710	2310	WNC	21.81	21.98	1.04			-0.02	0.075	0.078
	LTE Band 30	10M	QPSK	1	0	Top	29mm	MIMO2	Sensor Off	27710	2310	WNC	21.85	22.98	1.297			0.00	0.001	0.001
	LTE Band 30	10M	QPSK	25	0	Top	29mm	MIMO2	Sensor Off	27710	2310	WNC	21.81	21.98	1.04			0.00	0.001	0.001
	LTE Band 30	10M	QPSK	1	0	Back	0mm	MIMO2	Sensor On	27710	2310	WNC	18.48	19.50	1.265			-0.05	0.049	0.062
	LTE Band 30	10M	QPSK	25	0	Back	0mm	MIMO2	Sensor On	27710	2310	WNC	18.42	19.50	1.282			0.01	0.049	0.063
	LTE Band 30	10M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	27710	2310	WNC	18.48	19.50	1.265			0.16	0.652	0.825
	LTE Band 30	10M	QPSK	25	0	Top	0mm	MIMO2	Sensor On	27710	2310	WNC	18.42	19.50	1.282			0.01	0.667	0.855
	LTE Band 30	10M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	27710	2310	WNC	18.38	19.50	1.294			0.19	0.640	0.828
	LTE Band 30	10M	QPSK	25	0	Top	0mm	MIMO2	Sensor On	27710	2310	Auden	18.42	19.50	1.282			-0.12	0.666	0.854
	LTE Band 66	20M	QPSK	1	0	Back	8mm	Main	Sensor Off	132072	1720	WNC	23.41	25.00	1.442			-0.10	0.064	0.092
	LTE Band 66	20M	QPSK	50	0	Back	8mm	Main	Sensor Off	132072	1720	WNC	22.49	24.00	1.416			0.03	0.055	0.078
	LTE Band 66	20M	QPSK	1	0	Right	0mm	Main	Sensor Off	132072	1720	WNC	23.41	25.00	1.442			0.06	0.273	0.394
	LTE Band 66	20M	QPSK	50	0	Right	0mm	Main	Sensor Off	132072	1720	WNC	22.49	24.00	1.416			0.16	0.225	0.319
	LTE Band 66	20M	QPSK	1	0	Top	41mm	Main	Sensor Off	132072	1720	WNC	23.41	25.00	1.442			0.00	0.001	0.001
	LTE Band 66	20M	QPSK	50	0	Top	41mm	Main	Sensor Off	132072	1720	WNC	22.49	24.00	1.416			0.00	0.001	0.001
	LTE Band 66	20M	QPSK	1	0	Back	0mm	Main	Sensor On	132072	1720	WNC	20.00	20.00	1.0			0.11	0.068	0.068
	LTE Band 66	20M	QPSK	50	0	Back	0mm	Main	Sensor On	132072	1720	WNC	19.93	20.00	1.016			0.03	0.072	0.073
	LTE Band 66	20M	QPSK	1	0	Top	0mm	Main	Sensor On	132072	1720	WNC	20.00	20.00	1.0			0.10	0.803	0.803
	LTE Band 66	20M	QPSK	1	0	Top	0mm	Main	Sensor On	132322	1745	WNC	19.80	20.00	1.047			0.05	0.751	0.786



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	LTE Band 66	20M	QPSK	1	0	Top	0mm	Main	Sensor On	132572	1770	WNC	19.78	20.00	1.052			0.03	0.903	0.950
	LTE Band 66	20M	QPSK	50	0	Top	0mm	Main	Sensor On	132072	1720	WNC	19.93	20.00	1.016			-0.06	0.958	0.973
	LTE Band 66	20M	QPSK	50	0	Top	0mm	Main	Sensor On	132322	1745	WNC	19.76	20.00	1.057			-0.04	0.847	0.895
11	LTE Band 66	20M	QPSK	50	0	Top	0mm	Main	Sensor On	132572	1770	WNC	19.71	20.00	1.069			0.01	1.070	1.144
	LTE Band 66	20M	QPSK	100	0	Top	0mm	Main	Sensor On	132072	1720	WNC	19.90	20.00	1.023			-0.15	0.807	0.826
	LTE Band 66C	20M	QPSK	1	99	Top	0mm	Main	Sensor On	132072+132270	1720	WNC	18.45	18.50	1.012			0.03	0.777	0.786
	LTE Band 66B	15M	QPSK	1	74	Top	0mm	Main	Sensor On	132047+132140	1717.5	WNC	18.39	18.50	1.026			0.09	0.759	0.779
	LTE Band 66C	20M	QPSK	50	0	Top	29mm	Main	Sensor On	132572	1770	Auden	19.71	20.00	1.069			-0.11	0.979	1.047
	LTE Band 66	20M	QPSK	50	0	Top	0mm	Main	Sensor On	132072	1720	Auden	19.93	20.00	1.016			0.15	0.756	0.768
	LTE Band 66	20M	QPSK	50	0	Top	0mm	Main	Sensor On	132322	1745	Auden	19.76	20.00	1.057			0.08	0.724	0.765
	LTE Band 66	20M	QPSK	1	0	Back	4mm	MIMO2	Sensor Off	132322	1745	WNC	23.15	25.00	1.531			-0.07	0.110	0.168
	LTE Band 66	20M	QPSK	50	0	Back	4mm	MIMO2	Sensor Off	132322	1745	WNC	22.28	24.00	1.486			0.04	0.090	0.134
	LTE Band 66	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor Off	132322	1745	WNC	23.15	25.00	1.531			-0.13	0.237	0.363
	LTE Band 66	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor Off	132322	1745	WNC	22.28	24.00	1.486			-0.10	0.154	0.229
	LTE Band 66	20M	QPSK	1	0	Top	29mm	MIMO2	Sensor Off	132322	1745	WNC	23.15	25.00	1.531			-0.11	0.061	0.093
	LTE Band 66	20M	QPSK	50	0	Top	29mm	MIMO2	Sensor Off	132322	1745	WNC	22.28	24.00	1.486			-0.13	0.050	0.074
	LTE Band 66	20M	QPSK	1	0	Back	0mm	MIMO2	Sensor On	132322	1745	WNC	19.23	19.50	1.064			-0.10	0.073	0.078
	LTE Band 66	20M	QPSK	50	0	Back	0mm	MIMO2	Sensor On	132322	1745	WNC	19.20	19.50	1.072			-0.06	0.073	0.078
	LTE Band 66	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	132322	1745	WNC	19.23	19.50	1.064			-0.13	0.986	1.049
	LTE Band 66	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	132072	1720	WNC	19.11	19.50	1.094			-0.03	1.020	1.116
	LTE Band 66	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	132572	1770	WNC	19.03	19.50	1.114			0.02	0.876	0.976
	LTE Band 66	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	132322	1745	WNC	19.20	19.50	1.072			0.01	1.060	1.136
	LTE Band 66	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	132072	1720	WNC	19.05	19.50	1.109			0.13	1.010	1.120
	LTE Band 66	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	132572	1770	WNC	18.93	19.50	1.14			0.17	0.870	0.992
	LTE Band 66	20M	QPSK	100	0	Top	0mm	MIMO2	Sensor On	132322	1745	WNC	19.16	19.50	1.081			-0.09	0.892	0.964
	LTE Band 66C	20M	QPSK	1	99	Top	0mm	MIMO2	Sensor On	132072+132270	1720	WNC	18.55	19.00	1.109			0.08	0.950	1.054
	LTE Band 66C	20M	QPSK	1	99	Top	0mm	MIMO2	Sensor On	132322+132520	1745	WNC	18.71	19.00	1.069			0.01	0.918	0.981
	LTE Band 66C	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	132572+132374	1770	WNC	18.49	19.00	1.125			0.03	0.816	0.918
	LTE Band 66B	15M	QPSK	1	74	Top	0mm	MIMO2	Sensor On	132047+132140	1717.5	WNC	18.50	19.00	1.122			-0.04	0.900	1.010
	LTE Band 66B	15M	QPSK	1	74	Top	0mm	MIMO2	Sensor On	132322+132145	1745	WNC	18.62	19.00	1.091			0.08	0.870	0.949
	LTE Band 66B	15M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	132597+132504	1772.5	WNC	18.47	19.00	1.13			-0.11	0.773	0.873
	LTE Band 66	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	132322	1745	Auden	19.20	19.50	1.072			-0.04	0.764	0.819
	LTE Band 66	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	132072	1720	Auden	19.05	19.50	1.109			0.08	0.767	0.851
	LTE Band 66	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	132572	1770	Auden	18.93	19.50	1.14			-0.15	0.708	0.807
	LTE Band 71	20M	QPSK	1	0	Back	8mm	Main	Sensor Off	133297	680.5	WNC	23.45	25.00	1.429			0.00	0.001	0.001
	LTE Band 71	20M	QPSK	50	0	Back	8mm	Main	Sensor Off	133297	680.5	WNC	22.43	24.00	1.435			0.00	0.001	0.001
	LTE Band 71	20M	QPSK	1	0	Left	0mm	Main	Sensor Off	133297	680.5	WNC	23.45	25.00	1.429			0.00	0.001	0.001
	LTE Band 71	20M	QPSK	50	0	Left	0mm	Main	Sensor Off	133297	680.5	WNC	22.43	24.00	1.435			0.00	0.001	0.001
	LTE Band 71	20M	QPSK	1	0	Right	0mm	Main	Sensor Off	133297	680.5	WNC	23.45	25.00	1.429			0.02	0.024	0.034
	LTE Band 71	20M	QPSK	50	0	Right	0mm	Main	Sensor Off	133297	680.5	WNC	22.43	24.00	1.435			0.00	0.001	0.001
	LTE Band 71	20M	QPSK	1	0	Top	41mm	Main	Sensor Off	133297	680.5	WNC	23.45	25.00	1.429			0.00	0.001	0.001
	LTE Band 71	20M	QPSK	50	0	Top	41mm	Main	Sensor Off	133297	680.5	WNC	22.43	24.00	1.435			0.00	0.001	0.001
	LTE Band 71	20M	QPSK	1	0	Back	0mm	Main	Sensor On	133297	680.5	WNC	18.53	19.00	1.114			0.00	0.001	0.001
	LTE Band 71	20M	QPSK	50	0	Back	0mm	Main	Sensor On	133297	680.5	WNC	18.48	19.00	1.127			0.00	0.001	0.001
12	LTE Band 71	20M	QPSK	1	0	Top	0mm	Main	Sensor On	133297	680.5	WNC	18.53	19.00	1.114			0.02	0.174	0.194
	LTE Band 71	20M	QPSK	50	0	Top	0mm	Main	Sensor On	133297	680.5	WNC	18.48	19.00	1.127			-0.08	0.153	0.172
	LTE Band 71	20M	QPSK	1	0	Top	0mm	Main	Sensor On	133297	680.5	Auden	18.53	19.00	1.114			0.08	0.136	0.152
	LTE Band 41	20M	QPSK	1	0	Back	8mm	Main	Sensor Off	40620	2593	WNC	23.55	25.00	1.396	62.9	1.006	0.04	0.050	0.070
	LTE Band 41	20M	QPSK	50	0	Back	8mm	Main	Sensor Off	40620	2593	WNC	22.25	24.00	1.496	62.9	1.006	-0.15	0.039	0.059
	LTE Band 41	20M	QPSK	1	0	Right	0mm	Main	Sensor Off	40620	2593	WNC	23.55	25.00	1.396	62.9	1.006	0.09	0.289	0.406
	LTE Band 41	20M	QPSK	50	0	Right	0mm	Main	Sensor Off	40620	2593	WNC	22.25	24.00	1.496	62.9	1.006	-0.09	0.199	0.299
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	Main	Sensor On	40185	2549.5	Auden	20.19	21.00	1.205	42.9	1.009	-0.07	0.966	1.175
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	Main	Sensor On	39750	2506	Auden	19.74	21.00	1.337	42.9	1.009	-0.06	0.843	1.137
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	Main	Sensor On	40620	2593	Auden	20.15	21.00	1.216	42.9	1.009	-0.17	0.755	0.926
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	Main	Sensor On	41055	2636.5	Auden	20.14	21.00	1.219	42.9	1.009	-0.13	0.566	0.696
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	Main	Sensor On	41490	2680	Auden	20.16	21.00	1.213	42.9	1.009	-0.08	0.424	0.519
	LTE Band 41	20M	QPSK	1	0	Top	41mm	Main	Sensor Off	40620	2593	WNC	23.55	25.00	1.396	62.9	1.006	-0.03	0.092	0.129
	LTE Band 41	20M	QPSK	50	0	Top	41mm	Main	Sensor Off	40620	2593	WNC	22.25	24.00	1.496	62.9	1.006	-0.06	0.079	0.119
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Main	Sensor On	40185	2549.5	WNC	18.59	19.00	1.099	62.9	1.006	-0.03	0.042	0.046
	LTE Band 41	20M	QPSK	50	0	Back	0mm	Main	Sensor On	40185	2549.5	WNC	18.43	19.00	1.14	62.9	1.006	0.14	0.041	0.047
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor On	40185	2549.5	WNC	18.59	19.00	1.099	62.9	1.006	0.09	0.792	0.876
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor On	39750	2506	WNC	18.40	19.00	1.148	62.9	1.006	-0.08	0.789	0.911
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor On	40620	2593	WNC	18.38	19.00	1.153	62.9	1.006	-0.16	0.686	0.796
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor On	41055	2636.5	WNC	18.56	19.00	1.107	62.9	1.006	-0.06	0.572	0.637
	LTE Band 41	20M	QPSK	1	0	Top	0mm	Main	Sensor On	41490	2680	WNC	18.52	19.00	1.117	62.9	1.006	-0.13	0.428	0.481
	LTE Band 41	20M	QPSK	50	0	Top	0mm	Main	Sensor On	40185	2549.5	WNC	18.43	19.00	1.14	62.9	1.006	0.13	0.840	0.963
	LTE Band 41	20M	QPSK	50	0	Top	0mm	Main	Sensor On	39750	2506	WNC	18.26	19.00	1.186	62.9	1.006	0.05	0.802	0.957
	LTE Band 41	20M	QPSK	50	0	Top	0mm	Main	Sensor On	40620	2593	WNC	18.31	19.00	1.172	62.9	1.006	0.18	0.693	0.817
	LTE Band 41	20M	QPSK	50	0	Top	0mm	Main	Sensor On	41055	2636.5	WNC	18.35	19.00	1.161	62.9	1.006	-0.12	0.568	0.663
	LTE Band 41	20M	QPSK	50	0	Top	0mm	Main	Sensor On	41490	2680	WNC	18.34	19.00	1.164	62.9	1.006	-0.09	0.430	0.504
	LTE Band 41	20M	QPSK	100	0	Top	0mm	Main	Sensor On	40185	2549.5	WNC	18.35	19.00	1.161	62.9	1.006	-0.18	0.761	0.889
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	Main	Sensor On	40185										



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	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	Main	Sensor On	41055	2636.5	WNC	20.14	21.00	1.219	42.9	1.009	0.10	0.331	0.407
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	Main	Sensor On	41490	2680	WNC	20.16	21.00	1.213	42.9	1.009	0.16	0.250	0.306
	LTE Band 41C	20M	QPSK	1	99	Top	0mm	Main	Sensor On	40185+40383	2549.5	WNC	18.48	19.00	1.127	62.9	1.006	0.05	0.752	0.853
	LTE Band 41C	20M	QPSK	1	99	Top	0mm	Main	Sensor On	39750+39948	2506	WNC	18.01	19.00	1.256	62.9	1.006	0.01	0.709	0.896
	LTE Band 41C	20M	QPSK	1	99	Top	0mm	Main	Sensor On	40620+40818	2593	WNC	18.18	19.00	1.208	62.9	1.006	0.04	0.651	0.791
	LTE Band 41C	20M	QPSK	1	99	Top	0mm	Main	Sensor On	41055+41253	2636.5	WNC	18.16	19.00	1.213	62.9	1.006	-0.05	0.543	0.663
	LTE Band 41C	20M	QPSK	1	0	Top	0mm	Main	Sensor On	41490+41492	2680	WNC	18.21	19.00	1.199	62.9	1.006	0.01	0.406	0.490
13	LTE Band 41	20M	QPSK	50	0	Top	0mm	Main	Sensor On	40185	2549.5	Auden	18.43	19.00	1.14	62.9	1.006	-0.03	1.030	1.181
	LTE Band 41	20M	QPSK	50	0	Top	0mm	Main	Sensor On	39750	2506	Auden	18.26	19.00	1.186	62.9	1.006	-0.05	0.950	1.133
	LTE Band 41	20M	QPSK	50	0	Top	0mm	Main	Sensor On	40620	2593	Auden	18.31	19.00	1.172	62.9	1.006	-0.01	0.827	0.975
	LTE Band 41	20M	QPSK	50	0	Top	0mm	Main	Sensor On	41055	2636.5	Auden	18.35	19.00	1.161	62.9	1.006	0.19	0.621	0.725
	LTE Band 41	20M	QPSK	50	0	Top	0mm	Main	Sensor On	41490	2680	Auden	18.34	19.00	1.164	62.9	1.006	-0.02	0.464	0.543
	LTE Band 41	20M	QPSK	1	0	Back	4mm	MIMO2	Sensor Off	40620	2593	WNC	23.75	25.00	1.334	62.9	1.006	0.00	0.001	0.001
	LTE Band 41	20M	QPSK	50	0	Back	4mm	MIMO2	Sensor Off	40620	2593	WNC	22.51	24.00	1.409	62.9	1.006	0.00	0.001	0.001
	LTE Band 41	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor Off	40620	2593	WNC	23.75	25.00	1.334	62.9	1.006	-0.12	0.150	0.201
	LTE Band 41	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor Off	40620	2593	WNC	22.51	24.00	1.409	62.9	1.006	0.16	0.111	0.157
	LTE Band 41	20M	QPSK	1	0	Top	29mm	MIMO2	Sensor Off	40620	2593	WNC	23.75	25.00	1.334	62.9	1.006	0.00	0.001	0.001
	LTE Band 41	20M	QPSK	50	0	Top	29mm	MIMO2	Sensor Off	40620	2593	WNC	22.51	24.00	1.409	62.9	1.006	0.00	0.001	0.001
	LTE Band 41	20M	QPSK	1	0	Back	0mm	MIMO2	Sensor On	41055	2636.5	WNC	18.80	20.00	1.318	62.9	1.006	0.00	0.001	0.001
	LTE Band 41	20M	QPSK	50	0	Back	0mm	MIMO2	Sensor On	41055	2636.5	WNC	18.83	20.00	1.309	62.9	1.006	0.00	0.001	0.001
	LTE Band 41	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	41055	2636.5	WNC	18.80	20.00	1.318	62.9	1.006	-0.10	0.350	0.464
	LTE Band 41	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	41055	2636.5	WNC	18.83	20.00	1.309	62.9	1.006	0.00	0.458	0.603
	LTE Band 41	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	39750	2506	WNC	18.38	20.00	1.452	62.9	1.006	0.09	0.513	0.749
	LTE Band 41	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	40185	2549.5	WNC	18.78	20.00	1.324	62.9	1.006	0.16	0.692	0.922
	LTE Band 41	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	40620	2593	WNC	18.40	20.00	1.445	62.9	1.006	-0.13	0.610	0.887
	LTE Band 41	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	41490	2680	WNC	18.74	20.00	1.337	62.9	1.006	0.07	0.680	0.915
	LTE Band 41	20M	QPSK	100	0	Top	0mm	MIMO2	Sensor On	41055	2636.5	WNC	18.90	20.00	1.288	62.9	1.006	0.04	0.407	0.527
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	41055	2636.5	WNC	21.88	22.00	1.028	42.9	1.009	0.00	0.614	0.637
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	39750	2506	WNC	21.54	22.00	1.112	42.9	1.009	-0.05	0.672	0.754
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	40185	2549.5	WNC	21.69	22.00	1.074	42.9	1.009	0.00	0.906	0.982
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	40620	2593	WNC	21.46	22.00	1.132	42.9	1.009	-0.04	0.799	0.913
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	41490	2680	WNC	21.73	22.00	1.064	42.9	1.009	-0.17	0.890	0.955
	LTE Band 41C	20M	QPSK	1	99	Top	0mm	MIMO2	Sensor On	41055+41253	2636.5	WNC	18.70	20.00	1.349	62.9	1.006	0.03	0.330	0.448
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	40185	2549.5	Auden	21.69	22.00	1.074	42.9	1.009	-0.01	0.808	0.876
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	39750	2506	Auden	21.54	22.00	1.112	42.9	1.009	-0.02	0.599	0.672
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	40620	2593	Auden	21.46	22.00	1.132	42.9	1.009	0.12	0.712	0.813
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	41055	2636.5	Auden	21.88	22.00	1.028	42.9	1.009	0.00	0.546	0.566
	LTE Band 41_HPUE	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	41490	2680	Auden	21.73	22.00	1.064	42.9	1.009	0.00	0.794	0.852
	LTE Band 48	20M	QPSK	1	0	Back	8mm	Main	Sensor Off	56640	3690	WNC	21.20	22.00	1.202	62.9	1.006	0.00	0.001	0.001
	LTE Band 48	20M	QPSK	50	0	Back	8mm	Main	Sensor Off	56640	3690	WNC	21.15	22.00	1.216	62.9	1.006	0.00	0.001	0.001
	LTE Band 48	20M	QPSK	1	0	Right	0mm	Main	Sensor Off	56640	3690	WNC	21.20	22.00	1.202	62.9	1.006	0.00	0.001	0.001
	LTE Band 48	20M	QPSK	50	0	Right	0mm	Main	Sensor Off	56640	3690	WNC	21.15	22.00	1.216	62.9	1.006	0.00	0.001	0.001
	LTE Band 48	20M	QPSK	1	0	Top	41mm	Main	Sensor Off	56640	3690	WNC	21.20	22.00	1.202	62.9	1.006	0.05	0.055	0.067
	LTE Band 48	20M	QPSK	50	0	Top	41mm	Main	Sensor Off	56640	3690	WNC	21.15	22.00	1.216	62.9	1.006	0.14	0.055	0.067
	LTE Band 48	20M	QPSK	1	0	Back	0mm	Main	Sensor On	56640	3690	WNC	16.15	17.00	1.216	62.9	1.006	-0.12	0.042	0.051
	LTE Band 48	20M	QPSK	50	0	Back	0mm	Main	Sensor On	56640	3690	WNC	16.13	17.00	1.222	62.9	1.006	-0.10	0.036	0.044
	LTE Band 48	20M	QPSK	1	0	Top	0mm	Main	Sensor On	56640	3690	WNC	16.15	17.00	1.216	62.9	1.006	0.05	0.829	1.014
	LTE Band 48	20M	QPSK	1	0	Top	0mm	Main	Sensor On	55340	3560	WNC	15.54	17.00	1.4	62.9	1.006	0.07	0.667	0.939
	LTE Band 48	20M	QPSK	1	0	Top	0mm	Main	Sensor On	55830	3609	WNC	15.60	17.00	1.38	62.9	1.006	0.17	0.770	1.069
	LTE Band 48	20M	QPSK	1	0	Top	0mm	Main	Sensor On	56150	3641	WNC	15.70	17.00	1.349	62.9	1.006	0.12	0.856	1.162
	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor On	56640	3690	WNC	16.13	17.00	1.222	62.9	1.006	-0.02	0.826	1.015
	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor On	55340	3560	WNC	15.39	17.00	1.449	62.9	1.006	0.08	0.675	0.984
	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor On	55830	3609	WNC	15.53	17.00	1.403	62.9	1.006	0.13	0.794	1.121
14	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor On	56150	3641	WNC	15.66	17.00	1.361	62.9	1.006	-0.03	0.857	1.173
	LTE Band 48	20M	QPSK	100	0	Top	0mm	Main	Sensor On	56640	3690	WNC	16.07	17.00	1.239	62.9	1.006	0.01	0.810	1.010
	LTE Band 48C	20M	QPSK	1	0	Top	0mm	Main	Sensor On	56640+56442	3690	WNC	15.95	17.00	1.274	62.9	1.006	0.09	0.777	0.996
	LTE Band 48C	20M	QPSK	1	99	Top	0mm	Main	Sensor On	55340+55538	3560	WNC	15.34	17.00	1.466	62.9	1.006	0.11	0.625	0.922
	LTE Band 48C	20M	QPSK	1	99	Top	0mm	Main	Sensor On	55830+56028	3609	WNC	15.40	17.00	1.445	62.9	1.006	0.05	0.722	1.050
	LTE Band 48C	20M	QPSK	1	99	Top	0mm	Main	Sensor On	56150+56348	3641	WNC	15.52	17.00	1.406	62.9	1.006	0.08	0.802	1.134
	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor On	56150	3641	Auden	15.66	17.00	1.361	62.9	1.006	-0.18	0.820	1.123
	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor On	55340	3560	Auden	15.39	17.00	1.449	62.9	1.006	0.08	0.660	0.962
	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor On	55830	3609	Auden	15.53	17.00	1.403	62.9	1.006	0.14	0.759	1.071
	LTE Band 48	20M	QPSK	50	0	Top	0mm	Main	Sensor On	56640	3690	Auden	16.13	17.00	1.222	62.9	1.006	-0.02	0.797	0.980
	LTE Band 48	20M	QPSK	1	0	Back	4mm	MIMO2	Sensor Off	56640	3690	WNC	21.28	22.00	1.18	62.9	1.006	-0.15	0.065	0.077
	LTE Band 48	20M	QPSK	50	0	Back	4mm	MIMO2	Sensor Off	56640	3690	WNC	21.25	22.00	1.189	62.9	1.006	-0.06	0.052	0.062
	LTE Band 48	20M	QPSK	1	0	Left	0mm	MIMO2	Sensor Off	56640	3690	WNC	21.28	22.00	1.18	62.9	1.006	-0.03	0.065	0.077
	LTE Band 48	20M	QPSK	50	0	Left	0mm	MIMO2	Sensor Off	56640	3690	WNC	21.25	22.00	1.189	62.9	1.006	0.02	0.054	0.065
	LTE Band 48	20M	QPSK	1	0	Top	29mm	MIMO2	Sensor Off	56640	3690	WNC	21.28	22.00	1.18	62.9	1.006	-0.07	0.102	0.121
	LTE Band 48	20M	QPSK	50	0	Top	29mm	MIMO2	Sensor Off	56640	3690	WNC	21.25							



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	LTE Band 48	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	56150	3641	WNC	14.43	15.50	1.279	62.9	1.006	-0.19	0.561	0.722
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	56640	3690	WNC	14.68	15.50	1.208	62.9	1.006	0.00	0.711	0.864
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	55340	3560	WNC	14.53	15.50	1.25	62.9	1.006	-0.11	0.550	0.692
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	55830	3609	WNC	14.53	15.50	1.25	62.9	1.006	-0.02	0.611	0.768
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	56150	3641	WNC	14.46	15.50	1.271	62.9	1.006	0.14	0.571	0.730
	LTE Band 48	20M	QPSK	100	0	Top	0mm	MIMO2	Sensor On	56640	3690	WNC	14.65	15.50	1.216	62.9	1.006	0.12	0.702	0.859
	LTE Band 48C	20M	QPSK	1	0	Top	0mm	MIMO2	Sensor On	56640+56442	3690	WNC	14.38	15.50	1.294	62.9	1.006	0.09	0.565	0.735
	LTE Band 48C	20M	QPSK	1	99	Top	0mm	MIMO2	Sensor On	55340+55538	3560	WNC	14.16	15.50	1.361	62.9	1.006	0.03	0.498	0.682
	LTE Band 48C	20M	QPSK	1	99	Top	0mm	MIMO2	Sensor On	55830+56028	3609	WNC	14.27	15.50	1.327	62.9	1.006	-0.05	0.548	0.732
	LTE Band 48C	20M	QPSK	1	99	Top	0mm	MIMO2	Sensor On	56150+56348	3641	WNC	14.23	15.50	1.34	62.9	1.006	0.11	0.519	0.700
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	56640	3690	Auden	14.68	15.50	1.208	62.9	1.006	-0.16	0.584	0.710
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	55340	3560	Auden	14.53	15.50	1.25	62.9	1.006	-0.17	0.545	0.685
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	55830	3609	Auden	14.53	15.50	1.25	62.9	1.006	0.18	0.505	0.635
	LTE Band 48	20M	QPSK	50	0	Top	0mm	MIMO2	Sensor On	56150	3641	Auden	14.46	15.50	1.271	62.9	1.006	-0.03	0.510	0.652

【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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	Back	8mm	Main	Sensor Off	167300	836.5	WNC	23.71	25.00	1.346	0.15	0.003	0.004
	FR1 n5	25M	BPSK	64	33	Back	8mm	Main	Sensor Off	167300	836.5	WNC	23.60	25.00	1.38	-0.17	0.003	0.004
	FR1 n5	25M	BPSK	1	64	Left	0mm	Main	Sensor Off	167300	836.5	WNC	23.71	25.00	1.346	-0.10	0.180	0.242
	FR1 n5	25M	BPSK	64	33	Left	0mm	Main	Sensor Off	167300	836.5	WNC	23.60	25.00	1.38	0.07	0.171	0.236
	FR1 n5	25M	BPSK	1	64	Right	0mm	Main	Sensor Off	167300	836.5	WNC	23.71	25.00	1.346	0.03	0.132	0.178
	FR1 n5	25M	BPSK	64	33	Right	0mm	Main	Sensor Off	167300	836.5	WNC	23.60	25.00	1.38	-0.09	0.117	0.161
	FR1 n5	25M	BPSK	1	64	Top	41mm	Main	Sensor Off	167300	836.5	WNC	23.71	25.00	1.346	0.02	0.003	0.004
	FR1 n5	25M	BPSK	64	33	Top	41mm	Main	Sensor Off	167300	836.5	WNC	23.60	25.00	1.38	0.14	0.003	0.004
	FR1 n5	25M	BPSK	1	64	Back	0mm	Main	Sensor On	167300	836.5	WNC	18.70	19.00	1.072	0.13	0.003	0.003
	FR1 n5	25M	BPSK	64	33	Back	0mm	Main	Sensor On	167300	836.5	WNC	18.63	19.00	1.089	-0.05	0.003	0.003
	FR1 n5	25M	BPSK	1	64	Top	0mm	Main	Sensor On	167300	836.5	WNC	18.70	19.00	1.072	0.02	0.875	0.938
15	FR1 n5	25M	BPSK	64	33	Top	0mm	Main	Sensor On	167300	836.5	WNC	18.63	19.00	1.089	0.01	0.911	0.992
	FR1 n5	25M	BPSK	128	0	Top	0mm	Main	Sensor On	167300	836.5	WNC	18.76	19.00	1.057	0.06	0.866	0.915
	FR1 n5	25M	BPSK	64	33	Top	0mm	Main	Sensor On	167300	836.5	Auden	18.63	19.00	1.089	0.15	0.773	0.842
	FR1 n7	50M	BPSK	1	135	Back	8mm	Main	Sensor Off	507000	2535	WNC	23.37	25.00	1.455	0.08	0.107	0.156
	FR1 n7	50M	BPSK	135	68	Back	8mm	Main	Sensor Off	507000	2535	WNC	23.40	25.00	1.445	0.00	0.110	0.159
	FR1 n7	50M	BPSK	1	135	Left	0mm	Main	Sensor Off	507000	2535	WNC	23.37	25.00	1.455	-0.09	0.173	0.252
	FR1 n7	50M	BPSK	135	68	Left	0mm	Main	Sensor Off	507000	2535	WNC	23.40	25.00	1.445	0.07	0.156	0.225
	FR1 n7	50M	BPSK	1	135	Right	0mm	Main	Sensor Off	507000	2535	WNC	23.37	25.00	1.455	0.12	0.383	0.557
	FR1 n7	50M	BPSK	135	68	Right	0mm	Main	Sensor Off	507000	2535	WNC	23.40	25.00	1.445	0.00	0.409	0.591
	FR1 n7	50M	BPSK	1	135	Top	41mm	Main	Sensor Off	507000	2535	WNC	23.37	25.00	1.455	0.16	0.096	0.140
	FR1 n7	50M	BPSK	135	68	Top	41mm	Main	Sensor Off	507000	2535	WNC	23.40	25.00	1.445	-0.09	0.098	0.142
	FR1 n7	50M	BPSK	1	135	Back	0mm	Main	Sensor On	507000	2535	WNC	15.71	17.00	1.346	-0.06	0.036	0.048
	FR1 n7	50M	BPSK	135	68	Back	0mm	Main	Sensor On	507000	2535	WNC	15.61	17.00	1.377	-0.01	0.034	0.047
	FR1 n7	50M	BPSK	1	135	Top	0mm	Main	Sensor On	507000	2535	WNC	15.71	17.00	1.346	-0.00	0.755	1.016
	FR1 n7	50M	BPSK	135	68	Top	0mm	Main	Sensor On	507000	2535	WNC	15.61	17.00	1.377	-0.01	0.731	1.007
	FR1 n7	50M	BPSK	270	0	Top	0mm	Main	Sensor On	507000	2535	WNC	15.49	17.00	1.416	-0.08	0.701	0.993
	FR1 n7	50M	BPSK	1	135	Top	0mm	Main	Sensor On	507000	2535	Auden	15.71	17.00	1.346	0.18	0.732	0.985
	FR1 n7	50M	BPSK	1	135	Back	4mm	MIMO2	Sensor Off	507000	2535	WNC	23.91	25.00	1.285	0.18	0.041	0.053
	FR1 n7	50M	BPSK	135	68	Back	4mm	MIMO2	Sensor Off	507000	2535	WNC	23.56	25.00	1.393	-0.08	0.052	0.072
	FR1 n7	50M	BPSK	1	135	Left	0mm	MIMO2	Sensor Off	507000	2535	WNC	23.91	25.00	1.285	-0.10	0.251	0.323
	FR1 n7	50M	BPSK	135	68	Left	0mm	MIMO2	Sensor Off	507000	2535	WNC	23.56	25.00	1.393	0.18	0.233	0.325
	FR1 n7	50M	BPSK	1	135	Right	0mm	MIMO2	Sensor Off	507000	2535	WNC	23.91	25.00	1.285	0.03	0.151	0.194
	FR1 n7	50M	BPSK	135	68	Right	0mm	MIMO2	Sensor Off	507000	2535	WNC	23.56	25.00	1.393	0.11	0.166	0.231
	FR1 n7	50M	BPSK	1	135	Top	29mm	MIMO2	Sensor Off	507000	2535	WNC	23.91	25.00	1.285	0.03	0.050	0.064
	FR1 n7	50M	BPSK	135	68	Top	29mm	MIMO2	Sensor Off	507000	2535	WNC	23.56	25.00	1.393	-0.19	0.054	0.075
	FR1 n7	50M	BPSK	1	135	Back	0mm	MIMO2	Sensor On	507000	2535	WNC	18.84	19.50	1.164	0.03	0.027	0.031
	FR1 n7	50M	BPSK	135	68	Back	0mm	MIMO2	Sensor On	507000	2535	WNC	18.80	19.50	1.175	0.08	0.026	0.031
	FR1 n7	50M	BPSK	1	135	Top	0mm	MIMO2	Sensor On	507000	2535	WNC	18.84	19.50	1.164	0.07	0.613	0.714
	FR1 n7	50M	BPSK	135	68	Top	0mm	MIMO2	Sensor On	507000	2535	WNC	18.80	19.50	1.175	0.03	0.615	0.723
16	FR1 n7	50M	BPSK	135	68	Top	0mm	MIMO2	Sensor On	507000	2535	Auden	18.80	19.50	1.175	-0.00	1.010	1.187
	FR1 n25	45M	BPSK	1	120	Back	8mm	Main	Sensor Off	376500	1882.5	WNC	23.57	25.00	1.39	0.03	0.061	0.085
	FR1 n25	45M	BPSK	120	60	Back	8mm	Main	Sensor Off	376500	1882.5	WNC	23.60	25.00	1.38	-0.19	0.050	0.069
	FR1 n25	45M	BPSK	1	120	Right	0mm	Main	Sensor Off	376500	1882.5	WNC	23.57	25.00	1.39	0.01	0.666	0.926
	FR1 n25	45M	BPSK	120	60	Right	0mm	Main	Sensor Off	376500	1882.5	WNC	23.60	25.00	1.38	0.19	0.661	0.912
	FR1 n25	45M	BPSK	240	0	Right	0mm	Main	Sensor Off	376500	1882.5	WNC	23.00	24.50	1.413	0.08	0.649	0.917
	FR1 n25	45M	BPSK	1	120	Top	41mm	Main	Sensor Off	376500	1882.5	WNC	23.57	25.00	1.39	-0.00	0.034	0.047
	FR1 n25	45M	BPSK	120	60	Top	41mm	Main	Sensor Off	376500	1882.5	WNC	23.60	25.00	1.38	-0.06	0.034	0.047
	FR1 n25	45M	BPSK	1	120	Back	0mm	Main	Sensor On	376500	1882.5	WNC	18.55	19.00	1.109	0.15	0.046	0.051
	FR1 n25	45M	BPSK	120	60	Back	0mm	Main	Sensor On	376500	1882.5	WNC	18.59	19.00	1.099	0.14	0.045	0.049
	FR1 n25	45M	BPSK	1	120	Top	0mm	Main	Sensor On	376500	1882.5	WNC	18.55	19.00	1.109	-0.02	0.704	0.781



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	FR1 n25	45M	BPSK	120	60	Top	0mm	Main	Sensor On	376500	1882.5	WNC	18.59	19.00	1.099	-0.05	0.692	0.761
	FR1 n25	45M	BPSK	1	120	Right	0mm	Main	Sensor Off	376500	1882.5	Auden	23.57	25.00	1.39	0.05	0.485	0.674
	FR1 n25	45M	BPSK	1	120	Back	4mm	MIMO2	Sensor Off	376500	1882.5	WNC	23.15	25.00	1.531	0.10	0.117	0.179
	FR1 n25	45M	BPSK	120	60	Back	4mm	MIMO2	Sensor Off	376500	1882.5	WNC	23.17	25.00	1.524	0.07	0.104	0.158
	FR1 n25	45M	BPSK	1	120	Left	0mm	MIMO2	Sensor Off	376500	1882.5	WNC	23.15	25.00	1.531	0.06	0.696	1.066
	FR1 n25	45M	BPSK	120	60	Left	0mm	MIMO2	Sensor Off	376500	1882.5	WNC	23.17	25.00	1.524	0.08	0.642	0.978
	FR1 n25	45M	BPSK	240	0	Left	0mm	MIMO2	Sensor Off	376500	1882.5	WNC	22.52	24.50	1.578	-0.12	0.631	0.996
	FR1 n25	45M	BPSK	1	120	Top	29mm	MIMO2	Sensor Off	376500	1882.5	WNC	23.15	25.00	1.531	0.14	0.051	0.078
	FR1 n25	45M	BPSK	120	60	Top	29mm	MIMO2	Sensor Off	376500	1882.5	WNC	23.17	25.00	1.524	0.07	0.050	0.076
	FR1 n25	45M	BPSK	1	120	Back	0mm	MIMO2	Sensor On	376500	1882.5	WNC	19.58	20.00	1.102	0.10	0.083	0.091
	FR1 n25	45M	BPSK	120	60	Back	0mm	MIMO2	Sensor On	376500	1882.5	WNC	19.70	20.00	1.072	-0.10	0.082	0.088
17	FR1 n25	45M	BPSK	1	120	Top	0mm	MIMO2	Sensor On	376500	1882.5	WNC	19.58	20.00	1.102	0.04	1.000	1.102
	FR1 n25	45M	BPSK	120	60	Top	0mm	MIMO2	Sensor On	376500	1882.5	WNC	19.70	20.00	1.072	0.04	0.991	1.062
	FR1 n25	45M	BPSK	240	0	Top	0mm	MIMO2	Sensor On	376500	1882.5	WNC	19.52	20.00	1.117	-0.06	0.939	1.049
	FR1 n25	45M	BPSK	1	120	Top	0mm	MIMO2	Sensor On	376500	1882.5	Auden	19.58	20.00	1.102	-0.08	0.886	0.976
	FR1 n30	10M	BPSK	1	50	Back	8mm	Main	Sensor Off	462000	2310	WNC	21.86	22.98	1.294	-0.17	0.128	0.166
	FR1 n30	10M	BPSK	25	14	Back	8mm	Main	Sensor Off	462000	2310	WNC	21.86	22.98	1.294	0.15	0.126	0.163
	FR1 n30	10M	BPSK	1	50	Right	0mm	Main	Sensor Off	462000	2310	WNC	21.86	22.98	1.294	-0.19	0.165	0.214
	FR1 n30	10M	BPSK	25	14	Right	0mm	Main	Sensor Off	462000	2310	WNC	21.86	22.98	1.294	0.19	0.119	0.154
	FR1 n30	10M	BPSK	1	50	Top	41mm	Main	Sensor Off	462000	2310	WNC	21.86	22.98	1.294	0.07	0.047	0.061
	FR1 n30	10M	BPSK	25	14	Top	41mm	Main	Sensor Off	462000	2310	WNC	21.86	22.98	1.294	0.17	0.044	0.057
	FR1 n30	10M	BPSK	1	50	Back	0mm	Main	Sensor On	462000	2310	WNC	20.05	20.50	1.109	-0.13	0.143	0.159
	FR1 n30	10M	BPSK	25	14	Back	0mm	Main	Sensor On	462000	2310	WNC	19.94	20.50	1.138	0.01	0.140	0.159
18	FR1 n30	10M	BPSK	1	50	Top	0mm	Main	Sensor On	462000	2310	WNC	20.05	20.50	1.109	0.01	1.070	1.187
	FR1 n30	10M	BPSK	25	14	Top	0mm	Main	Sensor On	462000	2310	WNC	19.94	20.50	1.138	0.00	1.030	1.172
	FR1 n30	10M	BPSK	50	0	Top	0mm	Main	Sensor On	462000	2310	WNC	19.94	20.50	1.138	-0.05	1.030	1.172
	FR1 n30	10M	BPSK	1	50	Top	0mm	Main	Sensor On	462000	2310	Auden	20.05	20.50	1.109	-0.13	0.848	0.940
	FR1 n30	10M	BPSK	1	1	Back	4mm	MIMO2	Sensor Off	462000	2310	WNC	21.70	22.98	1.343	-0.16	0.057	0.077
	FR1 n30	10M	BPSK	25	14	Back	4mm	MIMO2	Sensor Off	462000	2310	WNC	21.72	22.98	1.337	-0.13	0.058	0.078
	FR1 n30	10M	BPSK	1	1	Left	0mm	MIMO2	Sensor Off	462000	2310	WNC	21.70	22.98	1.343	-0.06	0.060	0.081
	FR1 n30	10M	BPSK	25	14	Left	0mm	MIMO2	Sensor Off	462000	2310	WNC	21.72	22.98	1.337	-0.18	0.079	0.106
	FR1 n30	10M	BPSK	1	1	Top	29mm	MIMO2	Sensor Off	462000	2310	WNC	21.70	22.98	1.343	0.14	0.001	0.001
	FR1 n30	10M	BPSK	25	14	Top	29mm	MIMO2	Sensor Off	462000	2310	WNC	21.72	22.98	1.337	0.13	0.001	0.001
	FR1 n30	10M	BPSK	1	1	Back	0mm	MIMO2	Sensor On	462000	2310	WNC	19.10	19.50	1.096	-0.05	0.047	0.052
	FR1 n30	10M	BPSK	25	0	Back	0mm	MIMO2	Sensor On	462000	2310	WNC	18.80	19.50	1.175	0.15	0.045	0.053
	FR1 n30	10M	BPSK	1	1	Top	0mm	MIMO2	Sensor On	462000	2310	WNC	19.10	19.50	1.096	-0.10	0.747	0.819
	FR1 n30	10M	BPSK	25	0	Top	0mm	MIMO2	Sensor On	462000	2310	WNC	18.80	19.50	1.175	0.02	0.715	0.840
	FR1 n30	10M	BPSK	50	0	Top	0mm	MIMO2	Sensor On	462000	2310	WNC	18.77	19.50	1.183	0.05	0.686	0.812
	FR1 n30	10M	BPSK	25	0	Top	0mm	MIMO2	Sensor On	462000	2310	Auden	18.80	19.50	1.175	0.01	0.608	0.714
	FR1 n66	45M	BPSK	1	120	Back	8mm	Main	Sensor Off	349000	1745	WNC	23.24	25.00	1.5	-0.08	0.135	0.203
	FR1 n66	45M	BPSK	120	60	Back	8mm	Main	Sensor Off	349000	1745	WNC	23.24	25.00	1.5	-0.12	0.123	0.185
	FR1 n66	45M	BPSK	1	120	Right	0mm	Main	Sensor Off	349000	1745	WNC	23.24	25.00	1.5	0.08	0.203	0.305
	FR1 n66	45M	BPSK	120	60	Right	0mm	Main	Sensor Off	349000	1745	WNC	23.24	25.00	1.5	0.02	0.163	0.245
	FR1 n66	45M	BPSK	1	120	Top	41mm	Main	Sensor Off	349000	1745	WNC	23.24	25.00	1.5	0.05	0.062	0.093
	FR1 n66	45M	BPSK	120	60	Top	41mm	Main	Sensor Off	349000	1745	WNC	23.24	25.00	1.5	0.09	0.045	0.068
	FR1 n66	45M	BPSK	1	1	Back	0mm	Main	Sensor On	349000	1745	WNC	20.18	20.50	1.076	-0.18	0.073	0.079
	FR1 n66	45M	BPSK	120	60	Back	0mm	Main	Sensor On	349000	1745	WNC	20.20	20.50	1.072	0.10	0.074	0.079
	FR1 n66	45M	BPSK	1	1	Top	0mm	Main	Sensor On	349000	1745	WNC	20.18	20.50	1.076	-0.10	1.050	1.130
	FR1 n66	45M	BPSK	120	60	Top	0mm	Main	Sensor On	349000	1745	WNC	20.20	20.50	1.072	0.03	1.070	1.147
	FR1 n66	45M	BPSK	240	0	Top	0mm	Main	Sensor On	349000	1745	WNC	20.20	20.50	1.072	0.11	0.908	0.973
	FR1 n66	45M	BPSK	120	60	Top	0mm	Main	Sensor On	349000	1745	Auden	20.20	20.50	1.072	0.02	0.787	0.844
	FR1 n66	45M	BPSK	1	1	Back	4mm	MIMO2	Sensor Off	349000	1745	WNC	23.08	25.00	1.556	0.13	0.140	0.218
	FR1 n66	45M	BPSK	120	60	Back	4mm	MIMO2	Sensor Off	349000	1745	WNC	23.02	25.00	1.578	0.06	0.127	0.200
	FR1 n66	45M	BPSK	1	1	Left	0mm	MIMO2	Sensor Off	349000	1745	WNC	23.08	25.00	1.556	-0.02	0.210	0.327
	FR1 n66	45M	BPSK	120	60	Left	0mm	MIMO2	Sensor Off	349000	1745	WNC	23.02	25.00	1.578	-0.14	0.169	0.267
	FR1 n66	45M	BPSK	1	1	Top	29mm	MIMO2	Sensor Off	349000	1745	WNC	23.08	25.00	1.556	0.00	0.064	0.100
	FR1 n66	45M	BPSK	120	60	Top	29mm	MIMO2	Sensor Off	349000	1745	WNC	23.02	25.00	1.578	-0.08	0.047	0.074
	FR1 n66	45M	BPSK	1	1	Back	0mm	MIMO2	Sensor On	349000	1745	WNC	19.17	19.50	1.079	0.06	0.076	0.082
	FR1 n66	45M	BPSK	120	0	Back	0mm	MIMO2	Sensor On	349000	1745	WNC	19.18	19.50	1.076	-0.06	0.077	0.083
19	FR1 n66	45M	BPSK	1	1	Top	0mm	MIMO2	Sensor On	349000	1745	WNC	19.17	19.50	1.079	0.01	1.090	1.176
	FR1 n66	45M	BPSK	120	0	Top	0mm	MIMO2	Sensor On	349000	1745	WNC	19.18	19.50	1.076	0.02	0.893	0.961
	FR1 n66	45M	BPSK	240	0	Top	0mm	MIMO2	Sensor On	349000	1745	WNC	19.16	19.50	1.081	-0.02	0.953	1.030
	FR1 n66	45M	BPSK	1	1	Top	0mm	MIMO2	Sensor On	349000	1745	Auden	19.17	19.50	1.079	-0.16	0.717	0.774
	FR1 n71	20M	BPSK	1	53	Back	8mm	Main	Sensor Off	136100	680.5	WNC	23.68	25.00	1.355	0.00	0.001	0.001
	FR1 n71	20M	BPSK	50	28	Back	8mm	Main	Sensor Off	136100	680.5	WNC	23.68	25.00	1.355	0.00	0.001	0.001
	FR1 n71	20M	BPSK	1	53	Left	0mm	Main	Sensor Off	136100	680.5	WNC	23.68	25.00	1.355	0.00	0.001	0.001
	FR1 n71	20M	BPSK	50	28	Left	0mm	Main	Sensor Off	136100	680.5	WNC	23.68	25.00	1.355	0.00	0.001	0.001
	FR1 n71	20M	BPSK	1	53	Right	0mm	Main	Sensor Off	136100	680.5	WNC	23.68	25.00	1.355	-0.18	0.037	0.050
	FR1 n71	20M	BPSK	50	28	Right	0mm	Main	Sensor Off	136100	680.5	WNC	23.68	25.00	1.355	0.07	0.039	0.053
	FR1 n71	20M	BPSK	1	53	Top	41mm	Main	Sensor Off	136100	680.5	WNC	23.68	25.00	1.355	0.00	0.001	0.001
	FR1 n71	20M	BPSK	50	28	Top	41mm	Main	Sensor Off	136100	680.5	WNC	23.68	25.00	1.355	0.00	0.001	0.001
	FR1 n71	20M	BPSK	1	53	Back	0mm	Main	Sensor On	136100	680.5	WNC	17.73	19.00	1.34	0.00	0.001	0.001
	FR1 n71	20M	BPSK	50	28	Back	0mm	Main	Sensor On	136100	680.5	WNC	17.69	19.00	1.352	0.00	0.001	0.001



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20	FR1 n71	20M	BPSK	1	53	Top	0mm	Main	Sensor On	136100	680.5	WNC	17.73	19.00	1.34	-0.01	0.193	0.259
	FR1 n71	20M	BPSK	50	28	Top	0mm	Main	Sensor On	136100	680.5	WNC	17.69	19.00	1.352	-0.07	0.177	0.239
	FR1 n71	20M	BPSK	1	53	Top	0mm	Main	Sensor On	136100	680.5	Auden	17.73	19.00	1.34	0.05	0.146	0.196
	FR1 n41	100M	BPSK	1	137	Back	8mm	Main	Sensor Off	518598	2592.99	WNC	24.46	25.00	1.132	0.09	0.119	0.135
	FR1 n41	100M	BPSK	135	69	Back	8mm	Main	Sensor Off	518598	2592.99	WNC	24.64	25.00	1.086	-0.05	0.124	0.135
	FR1 n41	100M	BPSK	1	137	Right	0mm	Main	Sensor Off	518598	2592.99	WNC	24.46	25.00	1.132	-0.12	0.623	0.705
	FR1 n41	100M	BPSK	135	69	Right	0mm	Main	Sensor Off	518598	2592.99	WNC	24.64	25.00	1.086	-0.14	0.647	0.703
	FR1 n41	100M	BPSK	1	137	Top	41mm	Main	Sensor Off	518598	2592.99	WNC	24.46	25.00	1.132	0.00	0.207	0.234
	FR1 n41	100M	BPSK	135	69	Top	41mm	Main	Sensor Off	518598	2592.99	WNC	24.64	25.00	1.086	0.06	0.201	0.218
	FR1 n41	100M	BPSK	1	137	Back	0mm	Main	Sensor On	518598	2592.99	WNC	15.26	16.50	1.33	-0.15	0.039	0.052
	FR1 n41	100M	BPSK	135	69	Back	0mm	Main	Sensor On	518598	2592.99	WNC	15.67	16.50	1.211	0.03	0.042	0.051
	FR1 n41	100M	BPSK	1	137	Top	0mm	Main	Sensor On	518598	2592.99	WNC	15.26	16.50	1.33	0.02	0.633	0.842
	FR1 n41	100M	BPSK	135	69	Top	0mm	Main	Sensor On	518598	2592.99	WNC	15.67	16.50	1.211	0.17	0.663	0.803
	FR1 n41	100M	BPSK	270	0	Top	0mm	Main	Sensor On	518598	2592.99	WNC	15.39	16.50	1.291	-0.03	0.558	0.720
	FR1 n41_HPUE	100M	BPSK	1	271	Top	0mm	Main	Sensor On	518598	2592.99	WNC	19.22	19.50	1.067	0.02	0.713	0.761
	FR1 n41	100M	BPSK	1	137	Top	0mm	Main	Sensor On	518598	2592.99	Auden	15.26	16.50	1.33	-0.08	0.605	0.805
	FR1 n41	100M	BPSK	1	137	Back	4mm	MIMO2	Sensor Off	518598	2592.99	WNC	24.27	25.00	1.183	0.06	0.065	0.077
	FR1 n41	100M	BPSK	135	69	Back	4mm	MIMO2	Sensor Off	518598	2592.99	WNC	24.46	25.00	1.132	-0.18	0.085	0.096
	FR1 n41	100M	BPSK	1	137	Left	0mm	MIMO2	Sensor Off	518598	2592.99	WNC	24.27	25.00	1.183	-0.06	0.192	0.227
	FR1 n41	100M	BPSK	135	69	Left	0mm	MIMO2	Sensor Off	518598	2592.99	WNC	24.46	25.00	1.132	0.04	0.240	0.272
	FR1 n41	100M	BPSK	1	137	Top	29mm	MIMO2	Sensor Off	518598	2592.99	WNC	24.27	25.00	1.183	-0.03	0.065	0.077
	FR1 n41	100M	BPSK	135	69	Top	29mm	MIMO2	Sensor Off	518598	2592.99	WNC	24.46	25.00	1.132	0.04	0.071	0.080
	FR1 n41	100M	BPSK	1	137	Back	0mm	MIMO2	Sensor On	518598	2592.99	WNC	17.88	18.50	1.153	-0.18	0.001	0.001
	FR1 n41	100M	BPSK	135	69	Back	0mm	MIMO2	Sensor On	518598	2592.99	WNC	18.25	18.50	1.059	0.05	0.001	0.001
	FR1 n41	100M	BPSK	1	137	Top	0mm	MIMO2	Sensor On	518598	2592.99	WNC	17.88	18.50	1.153	-0.15	0.555	0.640
	FR1 n41	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor On	518598	2592.99	WNC	18.25	18.50	1.059	0.05	0.616	0.652
	FR1 n41_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor On	518598	2592.99	WNC	21.43	21.50	1.016	-0.11	0.578	0.587
	FR1 n41	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor On	518598	2592.99	Auden	18.25	18.50	1.059	0.03	0.821	0.869
	FR1 n41_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor On	518598	2592.99	Auden	21.43	21.50	1.016	0.05	0.791	0.804
	FR1 n41	100M	BPSK	1	137	Back	0mm	MIMO3	Sensor Off	518598	2592.99	WNC	19.83	20.50	1.167	-0.05	0.076	0.089
	FR1 n41	100M	BPSK	135	69	Back	0mm	MIMO3	Sensor Off	518598	2592.99	WNC	20.13	20.50	1.089	-0.03	0.078	0.085
	FR1 n41	100M	BPSK	1	137	Right	0mm	MIMO3	Sensor Off	518598	2592.99	WNC	19.83	20.50	1.167	-0.07	0.258	0.301
	FR1 n41	100M	BPSK	135	69	Right	0mm	MIMO3	Sensor Off	518598	2592.99	WNC	20.13	20.50	1.089	-0.01	0.275	0.299
	FR1 n41	100M	BPSK	1	137	Top	0mm	MIMO3	Sensor Off	518598	2592.99	WNC	19.83	20.50	1.167	-0.17	0.891	1.040
21	FR1 n41	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor Off	518598	2592.99	WNC	20.13	20.50	1.089	-0.02	1.060	1.154
	FR1 n41	100M	BPSK	270	0	Top	0mm	MIMO3	Sensor Off	518598	2592.99	WNC	20.02	20.50	1.117	-0.05	1.030	1.151
	FR1 n41_HPUE	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor Off	518598	2592.99	WNC	23.33	23.50	1.04	-0.04	1.060	1.102
	FR1 n41	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor Off	518598	2592.99	Auden	20.13	20.50	1.089	0.15	0.876	0.954
	FR1 n41	100M	BPSK	1	137	Back	0mm	Aux	Sensor Off	518598	2592.99	WNC	17.18	18.00	1.208	-0.15	0.079	0.095
	FR1 n41	100M	BPSK	135	69	Back	0mm	Aux	Sensor Off	518598	2592.99	WNC	17.30	18.00	1.175	0.11	0.084	0.099
	FR1 n41	100M	BPSK	1	137	Left	0mm	Aux	Sensor Off	518598	2592.99	WNC	17.18	18.00	1.208	0.13	0.150	0.181
	FR1 n41	100M	BPSK	135	69	Left	0mm	Aux	Sensor Off	518598	2592.99	WNC	17.30	18.00	1.175	-0.00	0.164	0.193
	FR1 n41	100M	BPSK	1	137	Top	0mm	Aux	Sensor Off	518598	2592.99	WNC	17.18	18.00	1.208	-0.18	0.766	0.925
	FR1 n41	100M	BPSK	135	69	Top	0mm	Aux	Sensor Off	518598	2592.99	WNC	17.30	18.00	1.175	-0.01	0.791	0.929
	FR1 n41	100M	BPSK	270	0	Top	0mm	Aux	Sensor Off	518598	2592.99	WNC	17.02	18.00	1.253	0.01	0.650	0.814
	FR1 n41_HPUE	100M	BPSK	135	69	Top	0mm	Aux	Sensor Off	518598	2592.99	WNC	20.86	21.00	1.033	0.01	0.895	0.925
	FR1 n41	100M	BPSK	135	69	Top	0mm	Aux	Sensor Off	518598	2592.99	Auden	17.30	18.00	1.175	-0.01	0.723	0.850
	FR1 n48	100M	BPSK	1	137	Back	8mm	Main	Sensor Off	641666	3624.99	WNC	21.44	22.00	1.138	0.00	0.001	0.001
	FR1 n48	100M	BPSK	135	69	Back	8mm	Main	Sensor Off	641666	3624.99	WNC	21.48	22.00	1.127	0.00	0.001	0.001
	FR1 n48	100M	BPSK	1	137	Left	0mm	Main	Sensor Off	641666	3624.99	WNC	21.44	22.00	1.138	0.09	0.092	0.105
	FR1 n48	100M	BPSK	135	69	Left	0mm	Main	Sensor Off	641666	3624.99	WNC	21.48	22.00	1.127	0.10	0.088	0.099
	FR1 n48	100M	BPSK	1	137	Right	0mm	Main	Sensor Off	641666	3624.99	WNC	21.44	22.00	1.138	0.04	0.082	0.093
	FR1 n48	100M	BPSK	135	69	Right	0mm	Main	Sensor Off	641666	3624.99	WNC	21.48	22.00	1.127	-0.05	0.087	0.098
	FR1 n48	100M	BPSK	1	137	Top	41mm	Main	Sensor Off	641666	3624.99	WNC	21.44	22.00	1.138	-0.15	0.083	0.094
	FR1 n48	100M	BPSK	135	69	Top	41mm	Main	Sensor Off	641666	3624.99	WNC	21.48	22.00	1.127	-0.02	0.083	0.094
	FR1 n48	100M	BPSK	1	137	Back	0mm	Main	Sensor On	641666	3624.99	WNC	14.71	15.00	1.069	0.18	0.048	0.051
	FR1 n48	100M	BPSK	135	69	Back	0mm	Main	Sensor On	641666	3624.99	WNC	14.79	15.00	1.05	0.11	0.047	0.049
	FR1 n48	100M	BPSK	1	137	Top	0mm	Main	Sensor On	641666	3624.99	WNC	14.71	15.00	1.069	0.02	1.060	1.133
	FR1 n48	100M	BPSK	135	69	Top	0mm	Main	Sensor On	641666	3624.99	WNC	14.79	15.00	1.05	-0.09	1.070	1.124
	FR1 n48	100M	BPSK	270	0	Top	0mm	Main	Sensor On	641666	3624.99	WNC	14.65	15.00	1.084	-0.11	0.831	0.901
	FR1 n48	100M	BPSK	1	137	Top	0mm	Main	Sensor On	641666	3624.99	Auden	14.71	15.00	1.069	-0.07	0.956	1.022
	FR1 n48	100M	BPSK	1	137	Back	4mm	MIMO2	Sensor Off	641666	3624.99	WNC	20.96	22.00	1.271	-0.15	0.097	0.123
	FR1 n48	100M	BPSK	135	69	Back	4mm	MIMO2	Sensor Off	641666	3624.99	WNC	21.14	22.00	1.219	0.05	0.100	0.122
	FR1 n48	100M	BPSK	1	137	Left	0mm	MIMO2	Sensor Off	641666	3624.99	WNC	20.96	22.00	1.271	0.07	0.078	0.099
	FR1 n48	100M	BPSK	135	69	Left	0mm	MIMO2	Sensor Off	641666	3624.99	WNC	21.14	22.00	1.219	0.08	0.075	0.091
	FR1 n48	100M	BPSK	1	137	Right	0mm	MIMO2	Sensor Off	641666	3624.99	WNC	20.96	22.00	1.271	0.00	0.001	0.001
	FR1 n48	100M	BPSK	135	69	Right	0mm	MIMO2	Sensor Off	641666	3624.99	WNC	21.14	22.00	1.219	0.00	0.001	0.001
	FR1 n48	100M	BPSK	1	137	Top	29mm	MIMO2	Sensor Off	641666	3624.99	WNC	20.96	22.00	1.271	-0.11	0.213	0.271
	FR1 n48	100M	BPSK	135	69	Top	29mm	MIMO2	Sensor Off	641666	3624.99	WNC	21.14	22.00	1.219	0.14	0.223	0.272
	FR1 n48	100M	BPSK	1	137	Back	0mm	MIMO2	Sensor On	641666	3624.99	WNC	13.69	14.50	1.205	0.00	0.001	0.001
	FR1 n48	100M	BPSK	135	69	Back	0mm	MIMO2	Sensor On	641666	3624.99	WNC	13.77	14.50	1.183	0.00	0.001	0.001
	FR1 n48	100M	BPSK	1	137	Top	0mm	MIMO2	Sensor On	641666	3624.99	WNC	13.69	14.50	1.205	-0.18	0.951	1.146
22	FR1 n48	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor On	641666	3624.99	WNC	13.77	14.50	1.183	-0.01	0.974	1.152



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	FR1 n48	100M	BPSK	270	0	Top	0mm	MIMO2	Sensor On	641666	3624.99	WNC	13.63	14.50	1.222	0.09	0.803	0.981
	FR1 n48	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor On	641666	3624.99	Auden	13.77	14.50	1.183	-0.18	0.918	1.086
	FR1 n77	100M	BPSK	1	137	Back	8mm	Main	Sensor Off	633332	3499.98	WNC	24.50	25.00	1.122	-0.14	0.069	0.077
	FR1 n77	100M	BPSK	135	69	Back	8mm	Main	Sensor Off	633332	3499.98	WNC	24.58	25.00	1.102	-0.02	0.072	0.079
	FR1 n77	100M	BPSK	1	137	Right	0mm	Main	Sensor Off	633332	3499.98	WNC	24.50	25.00	1.122	0.06	0.380	0.426
	FR1 n77	100M	BPSK	135	69	Right	0mm	Main	Sensor Off	633332	3499.98	WNC	24.58	25.00	1.102	0.03	0.395	0.435
	FR1 n77	100M	BPSK	1	137	Top	41mm	Main	Sensor Off	633332	3499.98	WNC	24.50	25.00	1.122	-0.13	0.136	0.153
	FR1 n77	100M	BPSK	135	69	Top	41mm	Main	Sensor Off	633332	3499.98	WNC	24.58	25.00	1.102	-0.02	0.134	0.148
	FR1 n77	100M	BPSK	1	137	Back	0mm	Main	Sensor On	633332	3499.98	WNC	12.43	13.50	1.279	0.00	0.001	0.001
	FR1 n77	100M	BPSK	135	69	Back	0mm	Main	Sensor On	633332	3499.98	WNC	12.49	13.50	1.262	0.00	0.001	0.001
	FR1 n77	100M	BPSK	1	137	Top	0mm	Main	Sensor On	633332	3499.98	WNC	12.43	13.50	1.279	0.10	0.449	0.574
	FR1 n77	100M	BPSK	135	69	Top	0mm	Main	Sensor On	633332	3499.98	WNC	12.49	13.50	1.262	0.05	0.459	0.579
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	Main	Sensor On	633332	3499.98	WNC	15.73	16.50	1.194	0.16	0.474	0.566
	FR1 n77	100M	BPSK	135	69	Top	0mm	Main	Sensor On	633332	3499.98	Auden	12.49	13.50	1.262	0.04	0.447	0.564
	FR1 n77	100M	BPSK	1	137	Back	4mm	MIMO2	Sensor Off	633332	3499.98	WNC	24.33	25.00	1.167	0.15	0.157	0.183
	FR1 n77	100M	BPSK	135	69	Back	4mm	MIMO2	Sensor Off	633332	3499.98	WNC	24.41	25.00	1.146	0.01	0.159	0.182
	FR1 n77	100M	BPSK	1	137	Left	0mm	MIMO2	Sensor Off	633332	3499.98	WNC	24.33	25.00	1.167	0.15	0.165	0.193
	FR1 n77	100M	BPSK	135	69	Left	0mm	MIMO2	Sensor Off	633332	3499.98	WNC	24.41	25.00	1.146	0.17	0.157	0.180
	FR1 n77	100M	BPSK	1	137	Top	29mm	MIMO2	Sensor Off	633332	3499.98	WNC	24.33	25.00	1.167	0.07	0.252	0.294
	FR1 n77	100M	BPSK	135	69	Top	29mm	MIMO2	Sensor Off	633332	3499.98	WNC	24.41	25.00	1.146	-0.17	0.227	0.260
	FR1 n77	100M	BPSK	1	137	Back	0mm	MIMO2	Sensor On	633332	3499.98	WNC	14.29	14.50	1.05	0.00	0.001	0.001
	FR1 n77	100M	BPSK	135	69	Back	0mm	MIMO2	Sensor On	633332	3499.98	WNC	14.34	14.50	1.038	0.00	0.001	0.001
	FR1 n77	100M	BPSK	1	137	Top	0mm	MIMO2	Sensor On	633332	3499.98	WNC	14.29	14.50	1.05	0.14	0.793	0.833
	FR1 n77	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor On	633332	3499.98	WNC	14.34	14.50	1.038	0.04	0.878	0.911
	FR1 n77	100M	BPSK	270	0	Top	0mm	MIMO2	Sensor On	633332	3499.98	WNC	14.19	14.50	1.074	-0.10	0.776	0.833
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor On	633332	3499.98	WNC	16.94	17.50	1.138	-0.01	0.857	0.975
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor On	633332	3499.98	Auden	16.94	17.50	1.138	0.07	0.843	0.959
	FR1 n77	100M	BPSK	1	137	Back	0mm	MIMO3	Sensor Off	633332	3499.98	WNC	15.23	16.50	1.34	0.17	0.001	0.001
	FR1 n77	100M	BPSK	135	69	Back	0mm	MIMO3	Sensor Off	633332	3499.98	WNC	15.30	16.50	1.318	-0.04	0.001	0.001
	FR1 n77	100M	BPSK	1	137	Right	0mm	MIMO3	Sensor Off	633332	3499.98	WNC	15.23	16.50	1.34	0.14	0.146	0.196
	FR1 n77	100M	BPSK	135	69	Right	0mm	MIMO3	Sensor Off	633332	3499.98	WNC	15.30	16.50	1.318	0.15	0.160	0.211
	FR1 n77	100M	BPSK	1	137	Top	0mm	MIMO3	Sensor Off	633332	3499.98	WNC	15.23	16.50	1.34	0.13	0.782	1.048
	FR1 n77	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor Off	633332	3499.98	WNC	15.30	16.50	1.318	-0.02	0.815	1.074
	FR1 n77	100M	BPSK	270	0	Top	0mm	MIMO3	Sensor Off	633332	3499.98	WNC	15.14	16.50	1.368	0.04	0.776	1.062
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor Off	633332	3499.98	WNC	19.20	19.50	1.072	0.01	0.913	0.979
	FR1 n77	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor Off	633332	3499.98	Auden	15.30	16.50	1.318	-0.14	0.602	0.793
	FR1 n77	100M	BPSK	1	137	Back	0mm	Aux	Sensor Off	633332	3499.98	WNC	14.71	15.50	1.199	-0.15	0.047	0.056
	FR1 n77	100M	BPSK	135	69	Back	0mm	Aux	Sensor Off	633332	3499.98	WNC	14.83	15.50	1.167	0.10	0.051	0.060
	FR1 n77	100M	BPSK	1	137	Left	0mm	Aux	Sensor Off	633332	3499.98	WNC	14.71	15.50	1.199	0.05	0.061	0.073
	FR1 n77	100M	BPSK	135	69	Left	0mm	Aux	Sensor Off	633332	3499.98	WNC	14.83	15.50	1.167	-0.09	0.066	0.077
	FR1 n77	100M	BPSK	1	137	Top	0mm	Aux	Sensor Off	633332	3499.98	WNC	14.71	15.50	1.199	0.04	0.500	0.600
	FR1 n77	100M	BPSK	135	69	Top	0mm	Aux	Sensor Off	633332	3499.98	WNC	14.83	15.50	1.167	-0.04	0.579	0.676
	FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	Aux	Sensor Off	633332	3499.98	WNC	18.49	18.50	1.002	-0.03	0.618	0.619
	FR1 n77	100M	BPSK	135	69	Top	0mm	Aux	Sensor Off	633332	3499.98	Auden	14.83	15.50	1.167	-0.02	0.519	0.606
	FR1 n77	100M	BPSK	1	137	Back	8mm	Main	Sensor Off	656000	3840	WNC	24.08	25.00	1.236	0.18	0.111	0.137
	FR1 n77	100M	BPSK	135	69	Back	8mm	Main	Sensor Off	656000	3840	WNC	24.26	25.00	1.186	-0.12	0.126	0.149
	FR1 n77	100M	BPSK	1	137	Right	0mm	Main	Sensor Off	656000	3840	WNC	24.08	25.00	1.236	-0.04	0.553	0.684
	FR1 n77	100M	BPSK	135	69	Right	0mm	Main	Sensor Off	656000	3840	WNC	24.26	25.00	1.186	0.15	0.559	0.663
	FR1 n77	100M	BPSK	1	137	Top	41mm	Main	Sensor Off	656000	3840	WNC	24.08	25.00	1.236	0.09	0.204	0.252
	FR1 n77	100M	BPSK	135	69	Top	41mm	Main	Sensor Off	656000	3840	WNC	24.26	25.00	1.186	0.05	0.236	0.280
	FR1 n77	100M	BPSK	1	137	Back	0mm	Main	Sensor On	656000	3840	WNC	12.56	13.50	1.242	0.00	0.001	0.001
	FR1 n77	100M	BPSK	135	69	Back	0mm	Main	Sensor On	656000	3840	WNC	12.69	13.50	1.205	0.00	0.001	0.001
23	FR1 n77	100M	BPSK	1	137	Top	0mm	Main	Sensor On	656000	3840	WNC	12.56	13.50	1.242	0.02	0.939	1.166
	FR1 n77	100M	BPSK	135	69	Top	0mm	Main	Sensor On	656000	3840	WNC	12.69	13.50	1.205	-0.05	0.949	1.144
	FR1 n77	100M	BPSK	270	0	Top	0mm	Main	Sensor On	656000	3840	WNC	12.49	13.50	1.262	-0.05	0.920	1.161
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	Main	Sensor On	656000	3840	WNC	15.70	16.50	1.202	0.04	0.964	1.159
	FR1 n77	100M	BPSK	1	137	Top	0mm	Main	Sensor On	656000	3840	Auden	12.56	13.50	1.242	0.14	0.882	1.095
	FR1 n77	100M	BPSK	1	137	Back	4mm	MIMO2	Sensor Off	656000	3840	WNC	24.33	25.00	1.167	-0.13	0.106	0.124
	FR1 n77	100M	BPSK	135	69	Back	4mm	MIMO2	Sensor Off	656000	3840	WNC	24.40	25.00	1.148	0.01	0.121	0.139
	FR1 n77	100M	BPSK	1	137	Left	0mm	MIMO2	Sensor Off	656000	3840	WNC	24.33	25.00	1.167	0.12	0.354	0.413
	FR1 n77	100M	BPSK	135	69	Left	0mm	MIMO2	Sensor Off	656000	3840	WNC	24.40	25.00	1.148	0.10	0.345	0.396
	FR1 n77	100M	BPSK	1	137	Top	29mm	MIMO2	Sensor Off	656000	3840	WNC	24.33	25.00	1.167	0.01	0.399	0.466
	FR1 n77	100M	BPSK	135	69	Top	29mm	MIMO2	Sensor Off	656000	3840	WNC	24.40	25.00	1.148	0.18	0.389	0.447
	FR1 n77	100M	BPSK	1	137	Back	0mm	MIMO2	Sensor On	656000	3840	WNC	14.05	14.50	1.109	0.00	0.001	0.001
	FR1 n77	100M	BPSK	135	69	Back	0mm	MIMO2	Sensor On	656000	3840	WNC	14.21	14.50	1.069	0.00	0.001	0.001
	FR1 n77	100M	BPSK	1	137	Top	0mm	MIMO2	Sensor On	656000	3840	WNC	14.05	14.50	1.109	0.01	0.941	1.044
	FR1 n77	100M	BPSK	135	69	Top	0mm	MIMO2	Sensor On	656000	3840	WNC	14.21	14.50	1.069	-0.10	0.966	1.033
	FR1 n77	100M	BPSK	270	0	Top	0mm	MIMO2	Sensor On	656000	3840	WNC	14.06	14.50	1.107	0.14	0.941	1.042
	FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	MIMO2	Sensor On	656000	3840	WNC	16.83	17.50	1.167	-0.04	0.888	1.036
	FR1 n77	100M	BPSK	1	137	Top	0mm	MIMO2	Sensor On	656000	3840	Auden	14.05	14.50	1.109	0.13	0.882	0.978
	FR1 n77	100M	BPSK	1	137	Back	0mm	MIMO3	Sensor Off	656000	3840	WNC	15.45	16.50	1.274	0.13	0.042	0.054
	FR1 n77	100M	BPSK	135	69	Back	0mm	MIMO3	Sensor Off	656000	3840	WNC	15.65	16.50	1.216	-0.07	0.045	0.055
	FR1 n77	100M	BPSK	1	137	Right	0mm	MIMO3	Sensor Off	656000	3840	WNC	15.45	16.50	1.274	-0.17	0.411	0.524



FCC SAR TEST REPORT

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FR1 n77	100M	BPSK	135	69	Right	0mm	MIMO3	Sensor Off	656000	3840	WNC	15.65	16.50	1.216	0.17	0.416	0.506
FR1 n77	100M	BPSK	1	137	Top	0mm	MIMO3	Sensor Off	656000	3840	WNC	15.45	16.50	1.274	-0.19	0.762	0.971
FR1 n77	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor Off	656000	3840	WNC	15.65	16.50	1.216	0.00	0.917	1.115
FR1 n77	100M	BPSK	270	0	Top	0mm	MIMO3	Sensor Off	656000	3840	WNC	15.40	16.50	1.288	0.08	0.864	1.113
FR1 n77_HPUE	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor Off	656000	3840	WNC	19.20	19.50	1.072	-0.02	0.990	1.061
FR1 n77	100M	BPSK	135	69	Top	0mm	MIMO3	Sensor Off	656000	3840	Auden	15.65	16.50	1.216	-0.16	0.817	0.993
FR1 n77	100M	BPSK	1	137	Back	0mm	Aux	Sensor Off	656000	3840	WNC	14.35	15.50	1.303	-0.18	0.037	0.048
FR1 n77	100M	BPSK	135	69	Back	0mm	Aux	Sensor Off	656000	3840	WNC	14.48	15.50	1.265	0.10	0.037	0.047
FR1 n77	100M	BPSK	1	137	Left	0mm	Aux	Sensor Off	656000	3840	WNC	14.35	15.50	1.303	-0.05	0.112	0.146
FR1 n77	100M	BPSK	135	69	Left	0mm	Aux	Sensor Off	656000	3840	WNC	14.48	15.50	1.265	0.17	0.111	0.140
FR1 n77	100M	BPSK	1	137	Top	0mm	Aux	Sensor Off	656000	3840	WNC	14.35	15.50	1.303	-0.00	0.863	1.124
FR1 n77	100M	BPSK	135	69	Top	0mm	Aux	Sensor Off	656000	3840	WNC	14.48	15.50	1.265	-0.18	0.792	1.002
FR1 n77	100M	BPSK	270	0	Top	0mm	Aux	Sensor Off	656000	3840	WNC	14.48	15.50	1.265	-0.14	0.553	0.700
FR1 n77_HPUE	100M	BPSK	1	137	Top	0mm	Aux	Sensor Off	656000	3840	WNC	17.60	18.50	1.23	0.01	0.882	1.085
FR1 n77	100M	BPSK	1	137	Top	0mm	Aux	Sensor Off	656000	3840	Auden	14.35	15.50	1.303	0.05	0.583	0.760

**16.2 Repeated SAR Measurement**

【Repeat SAR 1g - FCC】

No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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)	Ratio
1st	FR1 n5	25M_BPSK_64_33	Top	0.0	Main	Sensor On	167300	836.5	WNC	18.63	19.00	1.089			0.01	0.911	0.992	-
2nd	FR1 n5	25M_BPSK_64_33	Top	0.0	Main	Sensor On	167300	836.5	WNC	18.63	19.00	1.089			0.05	0.901	0.981	1.01
1st	WCDMA IV	RMC 12.2Kbps	Top	0.0	Main	Sensor On	1513	1752.6	WNC	19.27	19.50	1.054			0.02	1.110	1.170	-
2nd	WCDMA IV	RMC 12.2Kbps	Top	0.0	Main	Sensor On	1513	1752.6	WNC	18.77	19.00	1.054			0.11	1.080	1.138	1.03
1st	LTE Band 25	20M_QPSK_1_0	Top	0.0	MIMO2	Sensor On	26140	1860	WNC	19.71	20.00	1.069			0.09	1.070	1.144	-
2nd	LTE Band 25	20M_QPSK_1_0	Top	0.0	MIMO2	Sensor On	26140	1860	WNC	18.21	18.50	1.069			0.01	0.999	1.068	1.07
1st	FR1 n30	10M_BPSK_1_50	Top	0.0	Main	Sensor On	462000	2310	WNC	20.05	20.50	1.109			0.01	1.070	1.187	-
2nd	FR1 n30	10M_BPSK_1_50	Top	0.0	Main	Sensor On	462000	2310	WNC	19.05	19.50	1.109			-0.05	1.010	1.120	1.06
1st	FR1 n41	100M_BPSK_135_69	Top	0.0	MIMO3	Sensor Off	518598	2592.99	WNC	20.13	20.50	1.089			-0.02	1.060	1.154	-
2nd	FR1 n41	100M_BPSK_135_69	Top	0.0	MIMO3	Sensor Off	518598	2592.99	WNC	17.63	18.00	1.089			0.05	1.020	1.111	1.04
1st	FR1 n48	100M_BPSK_135_69	Top	0.0	Main	Sensor On	641666	3624.99	WNC	14.79	15.00	1.05			-0.09	1.070	1.124	-
2nd	FR1 n48	100M_BPSK_135_69	Top	0.0	Main	Sensor On	641666	3624.99	WNC	14.29	14.50	1.05			0.13	0.989	1.038	1.08

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 1.45W/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.

16.3 Power Class 2 and Power Class 3 Linearity

General Note:

This device support Power Class 2 and Power Class 3 operations. Per FCC Guidance 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%

【Body】

LTE Band 41 (2496~2690MHz)_Main	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	19.0	21.0
Reported 1g SAR (W/kg)	1.181	1.175
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	50.28	54.51
Linearity SAR (W/kg)	1.28	
% deviation from Expected Linearity		-8.23 %

LTE Band 41 (2496~2690MHz)_MIMO2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.0	22.0
Reported 1g SAR (W/kg)	0.922	0.982
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	63.3	68.63
Linearity SAR (W/kg)	1.00	
% deviation from Expected Linearity		-1.76 %

FR1 n41_Main	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	16.5	19.5
Reported 1g SAR (W/kg)	0.842	0.761
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	44.67	44.56
Linearity SAR (W/kg)	0.84	
% deviation from Expected Linearity		-9.40 %

FR1 n41_MIMO2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.5	21.5
Reported 1g SAR (W/kg)	0.869	0.804
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	70.79	70.63
Linearity SAR (W/kg)	0.87	
% deviation from Expected Linearity		-7.27 %

FR1 n41_MIMO3	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.0	21.0
Reported 1g SAR (W/kg)	1.154	1.102
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	63.1	62.95
Linearity SAR (W/kg)	1.15	
% deviation from Expected Linearity		-4.28 %

FR1 n41_Aux	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.0	21.0
Reported 1g SAR (W/kg)	0.929	0.925
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	63.1	62.95
Linearity SAR (W/kg)	0.93	
% deviation from Expected Linearity		-0.29 %

FR1 n77 (27Q)_Main	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	13.5	16.5
Reported 1g SAR (W/kg)	0.579	0.566
Duty Cycle (%)	100.0 %	50.0 %

Frame Averaged (m/W)	22.39	22.33
Linearity SAR (W/kg)	0.58	
% deviation from Expected Linearity		-2.03 %

FR1 n77 (27Q)_MIMO2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	14.0	17.0
Reported 1g SAR (W/kg)	0.911	0.975
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	25.12	25.06
Linearity SAR (W/kg)	0.91	
% deviation from Expected Linearity		7.28 %

FR1 n77 (27Q)_MIMO3	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	16.5	19.5
Reported 1g SAR (W/kg)	1.074	0.979
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	44.67	44.56
Linearity SAR (W/kg)	1.07	
% deviation from Expected Linearity		-8.66 %

FR1 n77 (27Q)_Aux	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	15.5	18.5
Reported 1g SAR (W/kg)	0.676	0.619
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	35.48	35.4
Linearity SAR (W/kg)	0.67	
% deviation from Expected Linearity		-8.23 %

FR1 n77 (27Q)_Main	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	13.5	16.5
Reported 1g SAR (W/kg)	1.166	1.159
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	22.39	22.33
Linearity SAR (W/kg)	1.16	
% deviation from Expected Linearity		-0.38 %

FR1 n77 (27Q)_MIMO2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	14.0	17.0
Reported 1g SAR (W/kg)	1.044	1.036
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	25.12	25.06
Linearity SAR (W/kg)	1.04	
% deviation from Expected Linearity		-0.46 %

FR1 n77 (27Q)_MIMO3	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	16.5	19.5
Reported 1g SAR (W/kg)	1.115	1.061
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	44.67	44.56
Linearity SAR (W/kg)	1.11	
% deviation from Expected Linearity		-4.59 %

FR1 n77 (27Q)_Aux	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	15.5	18.5
Reported 1g SAR (W/kg)	1.124	1.085
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	35.48	35.4
Linearity SAR (W/kg)	1.12	
% deviation from Expected Linearity		-3.31 %

17. Simultaneous Transmission Analysis

WWAN+AX211NGW

NO.	Simultaneous Transmission Configurations	Body
1.	WWAN Main + WWAN MIMO2 + WLAN Main	Yes
2.	WWAN Main + WWAN MIMO2 + WLAN BT Aux	Yes
3.	WWAN Aux + WWAN MIMO3 + WLAN Main	Yes
4.	WWAN Aux+ WWAN MIMO3 + WLAN BT Aux	Yes

WWAN+BE211NGW

NO.	Simultaneous Transmission Configurations	Body
5.	WWAN Main + WWAN MIMO2 + WLAN Main	Yes
6.	WWAN Main + WWAN MIMO2 + WLAN BT Aux	Yes
7.	WWAN Aux + WWAN MIMO3 + WLAN Main	Yes
8.	WWAN Aux+ WWAN MIMO3 + WLAN BT Aux	Yes

WWAN+MT7922A22M

NO.	Simultaneous Transmission Configurations	Body
1.	WWAN Main + WWAN MIMO2 + WLAN2.4GHz Main + WLAN2.4GHz Aux	Yes
2.	WWAN Main + WWAN MIMO2 + WLAN5/6GHz Main + WLAN5/6GHz Aux + Bluetooth Aux	Yes
3.	WWAN Aux + WWAN MIMO3 + WLAN2.4GHz Main + WLAN2.4GHz Aux	Yes
4.	WWAN Aux + WWAN MIMO3 + WLAN5/6GHz Main + WLAN5/6GHz Aux + Bluetooth Aux	Yes

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NO.	Simultaneous Transmission Configurations	Body
1.	WWAN Main + WWAN MIMO2 + WLAN2.4GHz Main + WLAN2.4GHz Aux	Yes
2.	WWAN Main + WWAN MIMO2 + WLAN5/6GHz Main + WLAN5/6GHz Aux + Bluetooth Aux	Yes
3.	WWAN Main + WWAN MIMO2 + WLAN2.4GHz Main + WLAN5/6GHz Aux	Yes
4.	WWAN Main + WWAN MIMO2 + WLAN2.4GHz Aux + WLAN5/6GHz Main	Yes
5.	WWAN Aux + WWAN MIMO3 + WLAN2.4GHz Main + WLAN2.4GHz Aux	Yes
6.	WWAN Aux + WWAN MIMO3 + WLAN5/6GHz Main + WLAN5/6GHz Aux + Bluetooth Aux	Yes
7.	WWAN Aux + WWAN MIMO3 + WLAN2.4GHz Main + WLAN5/6GHz Aux	Yes
8.	WWAN Aux + WWAN MIMO3 + WLAN2.4GHz Aux + WLAN5/6GHz Main	Yes

General Note:

- The Intel BE211D2W (FCC ID: PD9BE211NG) and AX211NGW (FCC ID: PD9AX211NG) WLAN/BT modules are integrated into this host, and the WLAN/Bluetooth SAR refer to intel RF exposure report No.: 260120-06.TR01 and 260120-05.TR01 was used conservatively for the purpose of simultaneous transmission analysis.
- The worst case reported SAR for each configuration was used for SAR summation. Therefore, the following summations represent the absolute worst cases for simultaneous transmission
- The Scaled SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - Scalar SAR summation 1.6W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, 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.
 - If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band SAR 1.6W/kg.
 - The SPLSR calculated results please refer to section 15.2.

17.1 Body Exposure Conditions

WWAN+AX211NGW

Exposure Position	1	2	3	4	1+2+3	1+2+4	1+2+3 SPLSR	Case No	1+2+4 SPLSR	Case No
	Maximum WWAN Main	Maximum WWAN MIMO2	Max WLAN Main	Max WLAN+BT Aux	Summed	Summed				
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Back at 0mm	0.163	0.091	1.570	1.600	1.824	1.854	0.01	Case 1	0.01	Case 2
Left at 0mm		1.168	0.750		1.918	1.168	0.01	Case 3		
Right at 0mm	1.070			0.850	1.070	1.920	0.01	Case 4		
Top at 0mm	1.187	1.187			2.374	2.374	0.04	Case 5		
Exposure Position	1	2	3	4	1+2+3	1+2+4	1+2+3 SPLSR	Case No	1+2+4 SPLSR	Case No
	Maximum WWAN Aux	Maximum WWAN MIMO3	Max WLAN Main	Max WLAN+BT Aux	Summed	Summed				
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Back at 0mm	0.099	0.089	1.570	1.600	1.758	1.788	0.01	Case 6	0.01	Case 7
Left at 0mm	0.193		0.750		0.943	0.193				
Right at 0mm		0.524		0.850	0.524	1.374				
Top at 0mm	1.124	1.154			2.278	2.278	0.02	Case 8		

WWAN+BE211NGW

Exposure Position	1	2	3	4	1+2+3	1+2+4	1+2+3 SPLSR	Case No	1+2+4 SPLSR	Case No
	Maximum WWAN Main	Maximum WWAN MIMO2	Max WLAN Main	Max WLAN+BT Aux	Summed	Summed				
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Back at 0mm	0.163	0.091	1.600	1.600	1.854	1.854	0.01	Case 1	0.01	Case 2
Left at 0mm		1.168	1.040	1.230	2.208	2.398	0.01	Case 3	0.02	Case 4
Right at 0mm	1.070		1.040	1.230	2.110	2.300	0.01	Case 5	0.02	Case 6
Top at 0mm	1.187	1.187			2.374	2.374	0.04	Case 7		
Exposure Position	1	2	3	4	1+2+3	1+2+4	1+2+3 SPLSR	Case No	1+2+4 SPLSR	Case No
	Maximum WWAN Aux	Maximum WWAN MIMO3	Max WLAN Main	Max WLAN+BT Aux	Summed	Summed				
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Back at 0mm	0.099	0.089	1.600	1.600	1.788	1.788	0.01	Case 8	0.01	Case 9
Left at 0mm	0.193		1.040	1.230	1.233	1.423				
Right at 0mm		0.524	1.040	1.230	1.564	1.754			0.01	Case 10
Top at 0mm	1.124	1.154			2.278	2.278	0.02	Case 11		

**WWAN+MT7922A22M**

Exposure Position	1	2	3	4	5	6	7	1+2+3+4	1+2+5+6+7	1+2+3+4 SPLSR	Case No	1+2+5+6+7 SPLSR	Case No
	Maximum WWAN Main	Maximum WWAN MIMO2	WLAN2.4GHz Main	WLAN2.4GHz Aux	WLAN5/6GHz Main	WLAN5/6GHz Aux	Bluetooth Aux	Summed	Summed				
	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)	1g SAR (W/kg)	1g SAR (W/kg)				
Back at 0mm	0.163	0.091	1.108	1.195	0.904	1.042	0.362	2.557	2.562	0.02	Case 3	0.02	Case 4
Left at 0mm		1.168						1.168	1.168				
Right at 0mm	1.070							1.070	1.070				
Top at 0mm	1.187	1.187						2.374	2.374	0.04	Case 5		
Exposure Position	1	2	3	4	5	6	7	1+2+3+4	1+2+5+6+7	1+2+3+4 SPLSR	Case No	1+2+5+6+7 SPLSR	Case No
	Maximum WWAN Aux	Maximum WWAN MIMO3	WLAN2.4GHz Main	WLAN2.4GHz Aux	WLAN5/6GHz Main	WLAN5/6GHz Aux	Bluetooth Aux	Summed	Summed				
	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)	1g SAR (W/kg)	1g SAR (W/kg)				
Back at 0mm	0.099	0.089	1.108	1.195	0.904	1.042	0.362	2.491	2.496	0.02	Case 6	0.02	Case 7
Left at 0mm	0.193							0.193	0.193				
Right at 0mm		0.524						0.524	0.524				
Top at 0mm	1.124	1.154						2.278	2.278	0.02	Case 8		

WWAN+MT7925B22M

Exposure Position	1	2	3	4	5	6	7	1+2+3+4	1+2+5+6+7	1+2+3+6	1+2+4+5	1+2+3+4 SPLSR	Case No	1+2+5+6+7 SPLSR	Case No	1+2+3+6 SPLSR	Case No	1+2+4+5 SPLSR	Case No
	Maximum WWAN Main	Maximum WWAN MIMO2	WLAN2.4GHz Main	WLAN2.4GHz Aux	WLAN5/6GHz Main	WLAN5/6GHz Aux	Bluetooth Aux	Summed	Summed	Summed	Summed								
	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)								
Back at 0mm	0.163	0.091	1.058	1.097	1.172	1.044	0.385	2.409	2.855	2.356	2.523	0.01	Case 3	0.02	Case 4	0.01	Case 16	0.02	Case 17
Left at 0mm		1.168						1.168	1.168	1.168	1.168								
Right at 0mm	1.070							1.070	1.070	1.070	1.070								
Top at 0mm	1.187	1.187						2.374	2.374	2.374	2.374	0.04	Case 18						
Exposure Position	1	2	3	4	5	6	7	1+2+3+4	1+2+5+6+7	1+2+3+6	1+2+4+5	1+2+3+4 SPLSR	Case No	1+2+5+6+7 SPLSR	Case No	1+2+3+6 SPLSR	Case No	1+2+4+5 SPLSR	Case No
	Maximum WWAN Aux	Maximum WWAN MIMO3	WLAN2.4GHz Main	WLAN2.4GHz Aux	WLAN5/6GHz Main	WLAN5/6GHz Aux	Bluetooth Aux	Summed	Summed	Summed	Summed								
	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)								
Back at 0mm	0.099	0.089	1.058	1.097	1.172	1.044	0.385	2.343	2.789	2.290	2.457	0.01	Case 19	0.02	Case 20	0.01	Case 21	0.02	Case 22
Left at 0mm	0.193							0.193	0.193	0.193	0.193								
Right at 0mm		0.524						0.524	0.524	0.524	0.524								
Top at 0mm	1.124	1.154						2.278	2.278	2.278	2.278	0.02	Case 23						

17.2 SPLSR Evaluation and Analysis

General Note:

1. $SPLSR = (SAR_1 + SAR_2)^{1.5} / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary
2. The detail hotspot point for each transmitter in each exposure condition are showing as below figure and the minimum 3D distance for each sum combination is used for SPLSR analysis.

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	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			Min distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 1	Maximum WWAN Main	Back	0.163	0mm				65.0	0.25	0.00	Not required
	Maximum WWAN MIMO2		0.091	0mm							
	Maximum WWAN Main	Back	0.163	0mm				297.3	1.73	0.01	Not required
	Max WLAN Main		1.57	0mm							
	Maximum WWAN MIMO2	Back	0.091	0mm				297.3	1.66	0.01	Not required
	Max WLAN Main		1.57	0mm							
Case 2	Maximum WWAN Main	Back	0.163	0mm				65.0	0.25	0.00	Not required
	Maximum WWAN MIMO2		0.091	0mm							
	Maximum WWAN Main	Back	0.163	0mm				206.1	1.76	0.01	Not required
	Max WLAN+BT Aux		1.6	0mm							
	Maximum WWAN MIMO2	Back	0.091	0mm				206.1	1.69	0.01	Not required
	Max WLAN+BT Aux		1.6	0mm							
Case 3	Maximum WWAN MIMO2	Left	1.168	0mm				297.3	1.92	0.01	Not required
	Max WLAN Main		0.75	0mm							
Case 4	Maximum WWAN Main	Right	1.07	0mm				206.1	1.92	0.01	Not required
	Max WLAN+BT Aux		0.85	0mm							
Case 5	Maximum WWAN Main	Top	1.187	0mm	2.0	51.0	-177.0	94.3	2.37	0.04	Not required
	Maximum WWAN MIMO2		1.187	0mm	9.0	-43.0	-177.0				
Case 6	Maximum WWAN Aux	Back	0.099	0mm				65.0	0.19	0.00	Not required
	Maximum WWAN MIMO3		0.089	0mm							
	Maximum WWAN Aux	Back	0.099	0mm				206.1	1.67	0.01	Not required
	Max WLAN Main		1.57	0mm							
	Maximum WWAN MIMO3	Back	0.089	0mm				206.1	1.66	0.01	Not required
	Max WLAN Main		1.57	0mm							
Case 7											



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	Maximum WWAN Aux	Back	0.099	0mm				65.0	0.19	0.00	Not required
	Maximum WWAN MIMO3		0.089	0mm							
	Maximum WWAN Aux	Back	0.099	0mm				297.3	1.70	0.01	Not required
	Max WLAN+BT Aux		1.6	0mm							
	Maximum WWAN MIMO3	Back	0.089	0mm				297.3	1.69	0.01	Not required
	Max WLAN+BT Aux		1.6	0mm							
Case 8	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Aux	Top	1.124	0mm	9.5	-80.5	-177.0	213.0	2.28	0.02	Not required
	Maximum WWAN MIMO3		1.154	0mm	8.0	132.5	-177.0				

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Case 1	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			Min distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Main	Back	0.163	0mm				65.0	0.25	0.00	Not required
	Maximum WWAN MIMO2		0.091	0mm							
	Maximum WWAN Main	Back	0.163	0mm				297.3	1.76	0.01	Not required
	Max WLAN+BT Main		1.6	0mm							
Case 2	Maximum WWAN MIMO2	Back	0.091	0mm				297.3	1.69	0.01	Not required
	Max WLAN+BT Main		1.6	0mm							
	Maximum WWAN Main	Back	0.163	0mm				206.1	1.76	0.01	Not required
	Max WLAN+BT Aux		1.6	0mm							
	Maximum WWAN MIMO2	Back	0.091	0mm				206.1	1.69	0.01	Not required
	Max WLAN+BT Aux		1.6	0mm							
Case 3	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			Min distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN MIMO2	Left	1.168	0mm				297.3	2.21	0.01	Not required
	Max WLAN Main+BT		1.04	0mm							
Case 4	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			Min distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN MIMO2	Left	1.168	0mm				206.1	2.40	0.02	Not required
	Max WLAN+BT Aux		1.23	0mm							
Case 5	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			Min distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Main	Right	1.07	0mm				297.3	2.11	0.01	Not required
	Max WLAN Main+BT		1.04	0mm							
Case 6	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			Min distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Main	Right	1.07	0mm				206.1	2.30	0.02	Not required
	Max WLAN+BT Aux		1.23	0mm							
Case 7	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Main	Top	1.187	0mm	2.0	51.0	-177.0	94.3	2.37	0.04	Not required



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	Maximum WWAN MIMO2		1.187	0mm	9.0	-43.0	-177.0				
Case 8	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			Min distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Aux	Back	0.099	0mm				65.0	0.19	0.00	Not required
	Maximum WWAN MIMO3		0.089	0mm							
	Maximum WWAN Aux	Back	0.099	0mm				297.3	1.70	0.01	Not required
	Max WLAN Main+BT		1.6	0mm							
	Maximum WWAN MIMO3	Back	0.089	0mm				297.3	1.69	0.01	Not required
	Max WLAN Main+BT		1.6	0mm							
Case 9	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			Min distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Aux	Back	0.099	0mm				65.0	0.19	0.00	Not required
	Maximum WWAN MIMO3		0.089	0mm							
	Maximum WWAN Aux	Back	0.099	0mm				297.3	1.70	0.01	Not required
	Max WLAN+BT Aux		1.6	0mm							
	Maximum WWAN MIMO3	Back	0.089	0mm				297.3	1.69	0.01	Not required
	Max WLAN+BT Aux		1.6	0mm							
Case 10	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			Min distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN MIMO3	Right	0.524	0mm				297.3	1.75	0.01	Not required
	Max WLAN+BT Aux		1.23	0mm							
Case 11	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Aux	Top	1.124	0mm	9.5	-80.5	-177.0	213.0	2.28	0.02	Not required
	Maximum WWAN MIMO3		1.154	0mm	8.0	132.5	-177.0				

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Case 3	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	113.2	0.25	0.00	Not required
	Maximum WWAN MIMO2		0.091	0mm	105.9	-54.6	-177.0				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	268.4	1.27	0.01	Not required
	2.4GHz WLAN Main		1.108	0mm	-97.5	-109.5	-177.0				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	216.4	1.36	0.01	Not required
	2.4GHz WLAN Aux		1.195	0mm	-97.5	113	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	210.7	1.20	0.01	Not required
	2.4GHz WLAN Main		1.108	0mm	-97.5	-109.5	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	263.6	1.29	0.01	Not required
	2.4GHz WLAN Aux		1.195	0mm	-97.5	113	-177.0				
	2.4GHz WLAN Main	Back	1.108	0mm	-97.5	-109.5	-177.0	222.5	2.30	0.02	Not required
	2.4GHz WLAN Aux		1.195	0mm	-97.5	113	-177.0				
Case 4	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	113.2	0.25	0.00	Not required
	Maximum WWAN MIMO2		0.091	0mm	105.9	-54.6	-177.0				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	275.2	1.07	0.00	Not required



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	5/6GHz WLAN Main		0.904	0mm	-100.9	-116.1	-177.0				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	217.0	1.57	0.01	Not required
	5/6GHz WLAN Aux+Bluetooth Aux		1.404	0mm	-98.5	111.5	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	215.8	1.00	0.00	Not required
	5/6GHz WLAN Main		0.904	0mm	-100.9	-116.1	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	263.4	1.50	0.01	Not required
	5/6GHz WLAN Aux+Bluetooth Aux		1.404	0mm	-98.5	111.5	-177.0				
	5/6GHz WLAN Aux+Bluetooth Aux	Back	1.404	0mm	-98.5	111.5	-177.0	227.6	2.31	0.02	Not required
	5/6GHz WLAN Main		0.904	0mm	-100.9	-116.1	-177.0				
Case 5	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Main	Top	1.187	0mm	2.0	51.0	-177.0	94.3	2.37	0.04	Not required
	Maximum WWAN MIMO2		1.187	0mm	9.0	-43.0	-177.0				
Case 6	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	241.5	0.19	0.00	Not required
	Maximum WWAN MIMO3		0.089	0mm	102.5	149	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	203.2	1.21	0.01	Not required
	2.4GHz WLAN Main		1.108	0mm	-97.5	-109.5	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	288.5	1.29	0.01	Not required
	2.4GHz WLAN Aux		1.195	0mm	-97.5	113	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	326.8	1.20	0.00	Not required
	2.4GHz WLAN Main		1.108	0mm	-97.5	-109.5	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	203.2	1.28	0.01	Not required
	2.4GHz WLAN Aux		1.195	0mm	-97.5	113	-177.0				
	2.4GHz WLAN Main	Back	1.108	0mm	-97.5	-109.5	-177.0	222.5	2.30	0.02	Not required
	2.4GHz WLAN Aux		1.195	0mm	-97.5	113	-177.0				
Case 7	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	241.5	0.19	0.00	Not required
	Maximum WWAN MIMO3		0.089	0mm	102.5	149	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	207.2	1.00	0.00	Not required
	5/6GHz WLAN Main		0.904	0mm	-100.9	-116.1	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	288.1	1.50	0.01	Not required
	5/6GHz WLAN Aux+Bluetooth Aux		1.404	0mm	-98.5	111.5	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	334.1	0.99	0.00	Not required
	5/6GHz WLAN Main		0.904	0mm	-100.9	-116.1	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	204.5	1.49	0.01	Not required
	5/6GHz WLAN Aux+Bluetooth Aux		1.404	0mm	-98.5	111.5	-177.0				
	5/6GHz WLAN Aux+Bluetooth Aux	Back	1.404	0mm	-98.5	111.5	-177.0	227.6	2.31	0.02	Not required
	5/6GHz WLAN Main		0.904	0mm	-100.9	-116.1	-177.0				
Case 8	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Aux	Top	1.124	0mm	9.5	-80.5	-177.0	213.0	2.28	0.02	Not required
	Maximum WWAN MIMO3		1.154	0mm	8.0	132.5	-177.0				

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	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 3	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	113.2	0.25	0.00	Not required
	Maximum WWAN MIMO2		0.091	0mm	105.9	-54.6	-177.0				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	268.7	1.22	0.01	Not required
	2.4GHz WLAN Main		1.058	0mm	-97.5	-110	-177.0				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	217.2	1.26	0.01	Not required
	2.4GHz WLAN Aux		1.097	0mm	-99	110.5	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	210.8	1.15	0.01	Not required
	2.4GHz WLAN Main		1.058	0mm	-97.5	-110	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	263.1	1.19	0.00	Not required
	2.4GHz WLAN Aux		1.097	0mm	-99	110.5	-177.0				
	2.4GHz WLAN Main	Back	1.058	0mm	-97.5	-110	-177.0	220.5	2.16	0.01	Not required
	2.4GHz WLAN Aux		1.097	0mm	-99	110.5	-177.0				
Case 4	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	113.2	0.25	0.00	Not required
	Maximum WWAN MIMO2		0.091	0mm	105.9	-54.6	-177.0				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	269.8	1.34	0.01	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	216.3	1.59	0.01	Not required
	5/6GHz WLAN Aux+Bluetooth Aux		1.429	0mm	-96.8	115.3	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	211.0	1.26	0.01	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	264.5	1.52	0.01	Not required
	5/6GHz WLAN Aux+Bluetooth Aux		1.429	0mm	-96.8	115.3	-177.0				
	5/6GHz WLAN Aux+Bluetooth Aux	Back	1.429	0mm	-96.8	115.3	-177.0	227.7	2.60	0.02	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
Case 16	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	113.2	0.25	0.00	Not required
	Maximum WWAN MIMO2		0.091	0mm	105.9	-54.6	-177.0				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	268.7	1.22	0.01	Not required
	2.4GHz WLAN Main		1.058	0mm	-97.5	-110	-177.0				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	216.3	1.21	0.01	Not required
	5/6GHz WLAN Aux		1.044	0mm	-96.8	115.3	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	210.8	1.15	0.01	Not required
	2.4GHz WLAN Main		1.058	0mm	-97.5	-110	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	264.5	1.14	0.00	Not required
	5/6GHz WLAN Aux		1.044	0mm	-96.8	115.3	-177.0				
	2.4GHz WLAN Main	Back	1.058	0mm	-97.5	-110	-177.0	225.3	2.10	0.01	Not required
	5/6GHz WLAN Aux		1.044	0mm	-96.8	115.3	-177.0				
Case 17	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	113.2	0.25	0.00	Not required
	Maximum WWAN MIMO2		0.091	0mm	105.9	-54.6	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0				

	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	217.2	1.26	0.01	Not required
	2.4GHz WLAN Aux		1.097	0mm	-99	110.5	-177.0				
	Maximum WWAN Main	Back	0.163	0mm	111.9	58.4	-177.0	269.8	1.34	0.01	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	263.1	1.19	0.00	Not required
	2.4GHz WLAN Aux		1.097	0mm	-99	110.5	-177.0				
	Maximum WWAN MIMO2	Back	0.091	0mm	105.9	-54.6	-177.0	211.0	1.26	0.01	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
	2.4GHz WLAN Aux	Back	1.097	0mm	-99	110.5	-177.0	222.9	2.27	0.02	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
Case 18	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Main	Top	1.187	0mm	2.0	51.0	-177.0	94.3	2.37	0.04	Not required
	Maximum WWAN MIMO2		1.187	0mm	9.0	-43.0	-177.0				
Case 19	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	241.5	0.19	0.00	Not required
	Maximum WWAN MIMO3		0.089	0mm	102.5	149	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	203.3	1.16	0.01	Not required
	2.4GHz WLAN Main		1.058	0mm	-97.5	-110	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	287.8	1.20	0.00	Not required
	2.4GHz WLAN Aux		1.097	0mm	-99	110.5	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	327.2	1.15	0.00	Not required
	2.4GHz WLAN Main		1.058	0mm	-97.5	-110	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	205.1	1.19	0.01	Not required
	2.4GHz WLAN Aux		1.097	0mm	-99	110.5	-177.0				
	2.4GHz WLAN Main	Back	1.058	0mm	-97.5	-110	-177.0	220.5	2.16	0.01	Not required
	2.4GHz WLAN Aux		1.097	0mm	-99	110.5	-177.0				
Case 20	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	241.5	0.19	0.00	Not required
	Maximum WWAN MIMO3		0.089	0mm	102.5	149	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	203.0	1.27	0.01	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	289.7	1.53	0.01	Not required
	5/6GHz WLAN Aux+Bluetooth Aux		1.429	0mm	-96.8	115.3	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	328.8	1.26	0.00	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	202.1	1.52	0.01	Not required
	5/6GHz WLAN Aux+Bluetooth Aux		1.429	0mm	-96.8	115.3	-177.0				
	5/6GHz WLAN Aux+Bluetooth Aux	Back	1.429	0mm	-96.8	115.3	-177.0	227.7	2.60	0.02	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
Case 21	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	241.5	0.19	0.00	Not required
	Maximum WWAN MIMO3		0.089	0mm	102.5	149	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	203.3	1.16	0.01	Not required

	2.4GHz WLAN Main		1.058	0mm	-97.5	-110	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	289.7	1.14	0.00	Not required
	5/6GHz WLAN Aux		1.044	0mm	-96.8	115.3	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	327.2	1.15	0.00	Not required
	2.4GHz WLAN Main		1.058	0mm	-97.5	-110	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	202.1	1.13	0.01	Not required
	5/6GHz WLAN Aux		1.044	0mm	-96.8	115.3	-177.0				
	2.4GHz WLAN Main	Back	1.058	0mm	-97.5	-110	-177.0	225.3	2.10	0.01	Not required
	5/6GHz WLAN Aux		1.044	0mm	-96.8	115.3	-177.0				
Case 22	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	241.5	0.19	0.00	Not required
	Maximum WWAN MIMO3		0.089	0mm	102.5	149	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	287.8	1.20	0.00	Not required
	2.4GHz WLAN Aux		1.097	0mm	-99	110.5	-177.0				
	Maximum WWAN Aux	Back	0.099	0mm	105	-92.5	-177.0	203.0	1.27	0.01	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	205.1	1.19	0.01	Not required
	2.4GHz WLAN Aux		1.097	0mm	-99	110.5	-177.0				
	Maximum WWAN MIMO3	Back	0.089	0mm	102.5	149	-177.0	328.8	1.26	0.00	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
	2.4GHz WLAN Aux	Back	1.097	0mm	-99	110.5	-177.0	222.9	2.27	0.02	Not required
	5/6GHz WLAN Main		1.172	0mm	-97	-112.4	-177.0				
Case 23	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	Maximum WWAN Aux	Top	1.124	0mm	9.5	-80.5	-177.0	213.0	2.28	0.02	Not required
	Maximum WWAN MIMO3		1.154	0mm	8.0	132.5	-177.0				

Test Engineer : Teddy Chang and Kyle Chen

18. 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.

19. 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] SPEAG DASY System Handbook
- [5] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [6] FCC KDB 648474 D03 v01r04, "Evaluation and Approval Considerations for Handsets with Specific Wireless Charging Battery Covers" Dec 2015.
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [9] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [10] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [11] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [12] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [13] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.