



Appendix E. Output Power Measurement

< WCDMA Conducted Power >

【WCDMA V_Full Power】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	23.32	23.35	23.31	24.50
3GPP Rel 6	HSDPA Subtest-1	22.31	22.31	22.29	23.50
3GPP Rel 6	HSDPA Subtest-2	22.29	22.40	22.31	23.50
3GPP Rel 6	HSDPA Subtest-3	21.83	21.90	21.77	23.00
3GPP Rel 6	HSDPA Subtest-4	21.80	21.84	21.83	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.26	22.39	22.27	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.32	22.33	22.36	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.86	21.87	21.79	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.82	21.81	21.75	23.00
3GPP Rel 6	HSUPA Subtest-1	22.36	22.31	22.37	23.50
3GPP Rel 6	HSUPA Subtest-2	20.34	20.38	20.32	21.50
3GPP Rel 6	HSUPA Subtest-3	21.32	21.35	21.28	22.50
3GPP Rel 6	HSUPA Subtest-4	20.37	20.37	20.36	21.50
3GPP Rel 6	HSUPA Subtest-5	22.35	22.36	22.36	23.50

【WCDMA V_Sensor on】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	14.75	14.90	14.69	16.00
3GPP Rel 6	HSDPA Subtest-1	13.87	13.99	13.81	15.00
3GPP Rel 6	HSDPA Subtest-2	13.76	13.96	13.80	15.00
3GPP Rel 6	HSDPA Subtest-3	13.35	13.47	13.22	14.50
3GPP Rel 6	HSDPA Subtest-4	13.16	13.38	13.07	14.50
3GPP Rel 8	DC-HSDPA Subtest-1	13.69	13.88	13.71	15.00
3GPP Rel 8	DC-HSDPA Subtest-2	13.72	13.83	13.58	15.00
3GPP Rel 8	DC-HSDPA Subtest-3	13.34	13.51	13.29	14.50
3GPP Rel 8	DC-HSDPA Subtest-4	13.30	13.41	13.25	14.50
3GPP Rel 6	HSUPA Subtest-1	13.63	13.87	13.70	15.00
3GPP Rel 6	HSUPA Subtest-2	11.76	11.80	11.74	13.00
3GPP Rel 6	HSUPA Subtest-3	12.79	12.84	12.65	14.00
3GPP Rel 6	HSUPA Subtest-4	11.76	11.79	11.76	13.00
3GPP Rel 6	HSUPA Subtest-5	13.87	13.82	13.67	15.00

【WCDMA V_Sensor off】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	23.32	23.35	23.31	24.50
3GPP Rel 6	HSDPA Subtest-1	22.31	22.31	22.29	23.50
3GPP Rel 6	HSDPA Subtest-2	22.29	22.40	22.31	23.50
3GPP Rel 6	HSDPA Subtest-3	21.83	21.90	21.77	23.00
3GPP Rel 6	HSDPA Subtest-4	21.80	21.84	21.83	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.26	22.39	22.27	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.32	22.33	22.36	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.86	21.87	21.79	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.82	21.81	21.75	23.00
3GPP Rel 6	HSUPA Subtest-1	22.36	22.31	22.37	23.50
3GPP Rel 6	HSUPA Subtest-2	20.34	20.38	20.32	21.50
3GPP Rel 6	HSUPA Subtest-3	21.32	21.35	21.28	22.50
3GPP Rel 6	HSUPA Subtest-4	20.37	20.37	20.36	21.50
3GPP Rel 6	HSUPA Subtest-5	22.35	22.36	22.36	23.50



<LTE Conducted Power>

【LTE Band 5_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.77	22.78	22.76	24.00
10	QPSK	1	25	22.66	22.71	22.68	24.00
10	QPSK	1	49	22.63	22.69	22.65	24.00
10	QPSK	25	0	21.79	21.80	21.74	23.00
10	QPSK	25	12	21.65	21.70	21.71	23.00
10	QPSK	25	25	21.67	21.70	21.71	23.00
10	QPSK	50	0	21.74	21.75	21.74	23.00
10	16QAM	1	0	21.60	21.66	21.68	23.00
10	16QAM	1	25	21.59	21.73	21.71	23.00
10	16QAM	1	49	21.59	21.69	21.65	23.00
10	16QAM	25	0	20.76	20.78	20.69	22.00
10	16QAM	25	12	20.68	20.74	20.68	22.00
10	16QAM	25	25	20.72	20.75	20.65	22.00
10	16QAM	50	0	20.77	20.77	20.70	22.00
10	64QAM	1	0	20.64	20.69	20.65	22.00
10	64QAM	1	25	20.54	20.71	20.76	22.00
10	64QAM	1	49	20.58	20.69	20.68	22.00
10	64QAM	25	0	19.82	19.85	19.70	21.00
10	64QAM	25	12	19.62	19.66	19.74	21.00
10	64QAM	25	25	19.68	19.64	19.72	21.00
10	64QAM	50	0	19.73	19.73	19.73	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.64	22.65	22.74	24.00
5	QPSK	1	12	22.53	22.65	22.59	24.00
5	QPSK	1	24	22.54	22.61	22.63	24.00
5	QPSK	12	0	21.77	21.68	21.71	23.00
5	QPSK	12	7	21.52	21.65	21.64	23.00
5	QPSK	12	13	21.58	21.60	21.62	23.00
5	QPSK	25	0	21.64	21.65	21.66	23.00
5	16QAM	1	0	21.54	21.57	21.58	23.00
5	16QAM	1	12	21.50	21.60	21.63	23.00
5	16QAM	1	24	21.52	21.64	21.59	23.00
5	16QAM	12	0	20.65	20.71	20.61	22.00
5	16QAM	12	7	20.63	20.63	20.64	22.00
5	16QAM	12	13	20.64	20.67	20.54	22.00
5	16QAM	25	0	20.74	20.72	20.57	22.00
5	64QAM	1	0	20.60	20.63	20.60	22.00
5	64QAM	1	12	20.45	20.62	20.66	22.00
5	64QAM	1	24	20.56	20.61	20.60	22.00
5	64QAM	12	0	19.75	19.71	19.62	21.00
5	64QAM	12	7	19.49	19.61	19.63	21.00
5	64QAM	12	13	19.61	19.52	19.59	21.00
5	64QAM	25	0	19.63	19.64	19.68	21.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.74	22.68	22.66	24.00
3	QPSK	1	8	22.61	22.57	22.58	24.00
3	QPSK	1	14	22.52	22.60	22.53	24.00
3	QPSK	8	0	21.75	21.77	21.63	23.00
3	QPSK	8	4	21.59	21.66	21.60	23.00
3	QPSK	8	7	21.62	21.64	21.63	23.00
3	QPSK	15	0	21.71	21.66	21.65	23.00
3	16QAM	1	0	21.51	21.60	21.54	23.00
3	16QAM	1	8	21.53	21.70	21.60	23.00
3	16QAM	1	14	21.46	21.67	21.60	23.00
3	16QAM	8	0	20.70	20.71	20.60	22.00
3	16QAM	8	4	20.59	20.69	20.65	22.00
3	16QAM	8	7	20.63	20.61	20.54	22.00
3	16QAM	15	0	20.71	20.63	20.63	22.00
3	64QAM	1	0	20.51	20.63	20.51	22.00
3	64QAM	1	8	20.41	20.67	20.69	22.00
3	64QAM	1	14	20.55	20.61	20.65	22.00
3	64QAM	8	0	19.69	19.79	19.57	21.00



3	64QAM	8	4	19.50	19.61	19.66	21.00
3	64QAM	8	7	19.55	19.55	19.59	21.00
3	64QAM	15	0	19.66	19.69	19.59	21.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.70	22.66	22.64	24.00
1.4	QPSK	1	3	22.55	22.65	22.59	24.00
1.4	QPSK	1	5	22.50	22.56	22.62	24.00
1.4	QPSK	3	0	22.59	22.53	22.59	24.00
1.4	QPSK	3	1	22.45	22.53	22.48	24.00
1.4	QPSK	3	3	22.37	22.47	22.51	24.00
1.4	QPSK	6	0	21.70	21.63	21.62	23.00
1.4	16QAM	1	0	21.56	21.53	21.57	23.00
1.4	16QAM	1	3	21.49	21.70	21.60	23.00
1.4	16QAM	1	5	21.52	21.66	21.55	23.00
1.4	16QAM	3	0	21.64	21.51	21.56	23.00
1.4	16QAM	3	1	21.44	21.48	21.54	23.00
1.4	16QAM	3	3	21.35	21.59	21.55	23.00
1.4	16QAM	6	0	20.74	20.66	20.60	22.00
1.4	64QAM	1	0	20.55	20.65	20.58	22.00
1.4	64QAM	1	3	20.40	20.57	20.65	22.00
1.4	64QAM	1	5	20.50	20.57	20.64	22.00
1.4	64QAM	3	0	20.71	20.58	20.48	22.00
1.4	64QAM	3	1	20.41	20.52	20.49	22.00
1.4	64QAM	3	3	20.27	20.52	20.60	22.00
1.4	64QAM	6	0	19.67	19.66	19.70	21.00

【LTE Band 5_Ant 4_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				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	15.24	15.38	15.28	16.50
10	QPSK	1	25	15.37	15.31	15.26	16.50
10	QPSK	1	49	15.35	15.23	15.20	16.50
10	QPSK	25	0	15.30	15.34	15.16	16.50
10	QPSK	25	12	15.30	15.23	15.32	16.50
10	QPSK	25	25	15.24	15.23	15.30	16.50
10	QPSK	50	0	15.25	15.33	15.32	16.50
10	16QAM	1	0	15.24	15.32	15.35	16.50
10	16QAM	1	25	15.33	15.21	15.36	16.50
10	16QAM	1	49	15.25	15.31	15.17	16.50
10	16QAM	25	0	15.36	15.19	15.19	16.50
10	16QAM	25	12	15.23	15.30	15.31	16.50
10	16QAM	25	25	15.19	15.36	15.30	16.50
10	16QAM	50	0	15.27	15.23	15.27	16.50
10	64QAM	1	0	15.24	15.22	15.26	16.50
10	64QAM	1	25	15.23	15.21	15.24	16.50
10	64QAM	1	49	15.34	15.33	15.20	16.50
10	64QAM	25	0	15.28	15.29	15.25	16.50
10	64QAM	25	12	15.32	15.22	15.34	16.50
10	64QAM	25	25	15.34	15.23	15.17	16.50
10	64QAM	50	0	15.28	15.17	15.19	16.50
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	15.16	15.12	15.21	16.50
5	QPSK	1	12	15.27	15.25	15.07	16.50
5	QPSK	1	24	15.28	15.06	15.07	16.50
5	QPSK	12	0	15.22	15.19	15.16	16.50
5	QPSK	12	7	15.10	15.12	15.12	16.50
5	QPSK	12	13	15.23	15.19	15.18	16.50
5	QPSK	25	0	15.15	15.21	15.32	16.50
5	16QAM	1	0	15.19	15.14	15.29	16.50
5	16QAM	1	12	15.35	15.16	15.18	16.50
5	16QAM	1	24	15.21	15.19	15.14	16.50
5	16QAM	12	0	15.28	15.17	15.00	16.50
5	16QAM	12	7	15.24	15.32	15.19	16.50
5	16QAM	12	13	15.00	15.19	15.31	16.50
5	16QAM	25	0	15.22	15.10	15.12	16.50
5	64QAM	1	0	15.12	15.12	15.15	16.50
5	64QAM	1	12	15.16	15.05	15.07	16.50
5	64QAM	1	24	15.32	15.16	15.00	16.50



5	64QAM	12	0	15.25	15.07	15.05	16.50
5	64QAM	12	7	15.28	15.17	15.29	16.50
5	64QAM	12	13	15.29	15.14	15.11	16.50
5	64QAM	25	0	15.17	15.01	15.10	16.50
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	15.10	15.13	15.08	16.50
3	QPSK	1	8	15.17	15.20	15.22	16.50
3	QPSK	1	14	15.26	15.20	15.19	16.50
3	QPSK	8	0	15.18	15.18	15.18	16.50
3	QPSK	8	4	15.27	15.18	15.32	16.50
3	QPSK	8	7	15.21	15.07	15.09	16.50
3	QPSK	15	0	15.14	15.13	15.33	16.50
3	16QAM	1	0	15.23	15.14	15.15	16.50
3	16QAM	1	8	15.12	15.13	15.16	16.50
3	16QAM	1	14	15.22	15.32	15.12	16.50
3	16QAM	8	0	15.17	15.01	15.03	16.50
3	16QAM	8	4	15.12	15.23	15.26	16.50
3	16QAM	8	7	15.12	15.25	15.28	16.50
3	16QAM	15	0	15.10	15.22	15.29	16.50
3	64QAM	1	0	15.13	15.09	15.07	16.50
3	64QAM	1	8	15.20	15.00	15.07	16.50
3	64QAM	1	14	15.34	15.33	15.05	16.50
3	64QAM	8	0	15.24	15.07	15.18	16.50
3	64QAM	8	4	15.22	15.06	15.29	16.50
3	64QAM	8	7	15.26	15.07	15.11	16.50
3	64QAM	15	0	15.32	15.11	15.15	16.50
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	15.18	15.17	15.23	16.50
1.4	QPSK	1	3	15.24	15.27	15.16	16.50
1.4	QPSK	1	5	15.24	15.06	15.21	16.50
1.4	QPSK	3	0	15.27	15.06	15.07	16.50
1.4	QPSK	3	1	15.30	15.25	15.18	16.50
1.4	QPSK	3	3	15.15	15.23	15.25	16.50
1.4	QPSK	6	0	15.26	15.21	15.16	16.50
1.4	16QAM	1	0	15.05	15.31	15.32	16.50
1.4	16QAM	1	3	15.22	15.16	15.16	16.50
1.4	16QAM	1	5	15.21	15.30	15.11	16.50
1.4	16QAM	3	0	15.14	15.14	15.11	16.50
1.4	16QAM	3	1	15.20	15.19	15.12	16.50
1.4	16QAM	3	3	15.00	15.30	15.36	16.50
1.4	16QAM	6	0	15.17	15.02	15.12	16.50
1.4	64QAM	1	0	15.21	15.16	15.15	16.50
1.4	64QAM	1	3	15.10	15.07	15.16	16.50
1.4	64QAM	1	5	15.36	15.29	15.15	16.50
1.4	64QAM	3	0	15.24	15.29	15.22	16.50
1.4	64QAM	3	1	15.17	15.21	15.27	16.50
1.4	64QAM	3	3	15.27	15.01	15.14	16.50
1.4	64QAM	6	0	15.27	15.16	15.06	16.50

【LTE Band 5_Ant 4_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				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.77	22.78	22.76	24.00
10	QPSK	1	25	22.66	22.71	22.68	24.00
10	QPSK	1	49	22.63	22.69	22.65	24.00
10	QPSK	25	0	21.79	21.80	21.74	23.00
10	QPSK	25	12	21.65	21.70	21.71	23.00
10	QPSK	25	25	21.67	21.70	21.71	23.00
10	QPSK	50	0	21.74	21.75	21.74	23.00
10	16QAM	1	0	21.60	21.66	21.68	23.00
10	16QAM	1	25	21.59	21.73	21.71	23.00
10	16QAM	1	49	21.59	21.69	21.65	23.00
10	16QAM	25	0	20.76	20.78	20.69	22.00
10	16QAM	25	12	20.68	20.74	20.68	22.00
10	16QAM	25	25	20.72	20.75	20.65	22.00
10	16QAM	50	0	20.77	20.77	20.70	22.00
10	64QAM	1	0	20.64	20.69	20.65	22.00
10	64QAM	1	25	20.54	20.71	20.76	22.00



10	64QAM	1	49	20.58	20.69	20.68	22.00
10	64QAM	25	0	19.82	19.85	19.70	21.00
10	64QAM	25	12	19.62	19.66	19.74	21.00
10	64QAM	25	25	19.68	19.64	19.72	21.00
10	64QAM	50	0	19.73	19.73	19.73	21.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	22.64	22.65	22.74	24.00
5	QPSK	1	12	22.53	22.65	22.59	24.00
5	QPSK	1	24	22.54	22.61	22.63	24.00
5	QPSK	12	0	21.77	21.68	21.71	23.00
5	QPSK	12	7	21.52	21.65	21.64	23.00
5	QPSK	12	13	21.58	21.60	21.62	23.00
5	QPSK	25	0	21.64	21.65	21.66	23.00
5	16QAM	1	0	21.54	21.57	21.58	23.00
5	16QAM	1	12	21.50	21.60	21.63	23.00
5	16QAM	1	24	21.52	21.64	21.59	23.00
5	16QAM	12	0	20.65	20.71	20.61	22.00
5	16QAM	12	7	20.63	20.63	20.64	22.00
5	16QAM	12	13	20.64	20.67	20.54	22.00
5	16QAM	25	0	20.74	20.72	20.57	22.00
5	64QAM	1	0	20.60	20.63	20.60	22.00
5	64QAM	1	12	20.45	20.62	20.66	22.00
5	64QAM	1	24	20.56	20.61	20.60	22.00
5	64QAM	12	0	19.75	19.71	19.62	21.00
5	64QAM	12	7	19.49	19.61	19.63	21.00
5	64QAM	12	13	19.61	19.52	19.59	21.00
5	64QAM	25	0	19.63	19.64	19.68	21.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.74	22.68	22.66	24.00
3	QPSK	1	8	22.61	22.57	22.58	24.00
3	QPSK	1	14	22.52	22.60	22.53	24.00
3	QPSK	8	0	21.75	21.77	21.63	23.00
3	QPSK	8	4	21.59	21.66	21.60	23.00
3	QPSK	8	7	21.62	21.64	21.63	23.00
3	QPSK	15	0	21.71	21.66	21.65	23.00
3	16QAM	1	0	21.51	21.60	21.54	23.00
3	16QAM	1	8	21.53	21.70	21.60	23.00
3	16QAM	1	14	21.46	21.67	21.60	23.00
3	16QAM	8	0	20.70	20.71	20.60	22.00
3	16QAM	8	4	20.59	20.69	20.65	22.00
3	16QAM	8	7	20.63	20.61	20.54	22.00
3	16QAM	15	0	20.71	20.63	20.63	22.00
3	64QAM	1	0	20.51	20.63	20.51	22.00
3	64QAM	1	8	20.41	20.67	20.69	22.00
3	64QAM	1	14	20.55	20.61	20.65	22.00
3	64QAM	8	0	19.69	19.79	19.57	21.00
3	64QAM	8	4	19.50	19.61	19.66	21.00
3	64QAM	8	7	19.55	19.55	19.59	21.00
3	64QAM	15	0	19.66	19.69	19.59	21.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	22.70	22.66	22.64	24.00
1.4	QPSK	1	3	22.55	22.65	22.59	24.00
1.4	QPSK	1	5	22.50	22.56	22.62	24.00
1.4	QPSK	3	0	22.59	22.53	22.59	24.00
1.4	QPSK	3	1	22.45	22.53	22.48	24.00
1.4	QPSK	3	3	22.37	22.47	22.51	24.00
1.4	QPSK	6	0	21.70	21.63	21.62	23.00
1.4	16QAM	1	0	21.56	21.53	21.57	23.00
1.4	16QAM	1	3	21.49	21.70	21.60	23.00
1.4	16QAM	1	5	21.52	21.66	21.55	23.00
1.4	16QAM	3	0	21.64	21.51	21.56	23.00
1.4	16QAM	3	1	21.44	21.48	21.54	23.00
1.4	16QAM	3	3	21.35	21.59	21.55	23.00
1.4	16QAM	6	0	20.74	20.66	20.60	22.00
1.4	64QAM	1	0	20.55	20.65	20.58	22.00
1.4	64QAM	1	3	20.40	20.57	20.65	22.00
1.4	64QAM	1	5	20.50	20.57	20.64	22.00
1.4	64QAM	3	0	20.71	20.58	20.48	22.00
1.4	64QAM	3	1	20.41	20.52	20.49	22.00
1.4	64QAM	3	3	20.27	20.52	20.60	22.00
1.4	64QAM	6	0	19.67	19.66	19.70	21.00



【LTE Band 38_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.23	23.25	23.21	24.50
20	QPSK	1	49	23.20	23.25	23.19	24.50
20	QPSK	1	99	23.05	23.21	23.09	24.50
20	QPSK	50	0	22.10	22.18	22.05	23.50
20	QPSK	50	24	22.06	22.16	22.06	23.50
20	QPSK	50	50	22.07	22.14	22.06	23.50
20	QPSK	100	0	22.07	22.18	22.13	23.50
20	16QAM	1	0	22.07	22.14	22.03	23.50
20	16QAM	1	49	22.02	22.13	22.07	23.50
20	16QAM	1	99	22.10	22.16	22.00	23.50
20	16QAM	50	0	21.15	21.25	21.10	22.50
20	16QAM	50	24	21.07	21.22	21.15	22.50
20	16QAM	50	50	21.09	21.27	21.11	22.50
20	16QAM	100	0	21.11	21.23	21.14	22.50
20	64QAM	1	0	21.09	21.26	21.08	22.50
20	64QAM	1	49	21.13	21.24	21.18	22.50
20	64QAM	1	99	21.15	21.22	21.08	22.50
20	64QAM	50	0	20.26	20.34	20.22	21.50
20	64QAM	50	24	20.34	20.39	20.32	21.50
20	64QAM	50	50	20.26	20.33	20.23	21.50
20	64QAM	100	0	20.17	20.31	20.25	21.50
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	23.20	23.22	23.23	24.50
15	QPSK	1	37	23.11	23.14	23.14	24.50
15	QPSK	1	74	23.01	23.17	23.00	24.50
15	QPSK	36	0	22.01	22.13	22.02	23.50
15	QPSK	36	20	22.00	22.08	22.01	23.50
15	QPSK	36	39	22.02	22.13	22.00	23.50
15	QPSK	75	0	22.05	22.05	22.05	23.50
15	16QAM	1	0	22.02	22.10	22.00	23.50
15	16QAM	1	37	22.01	22.11	22.00	23.50
15	16QAM	1	74	22.00	22.10	22.00	23.50
15	16QAM	36	0	21.08	21.19	21.01	22.50
15	16QAM	36	20	21.00	21.10	21.11	22.50
15	16QAM	36	39	21.06	21.23	21.08	22.50
15	16QAM	75	0	21.01	21.10	21.00	22.50
15	64QAM	1	0	21.00	21.17	21.06	22.50
15	64QAM	1	37	21.00	21.21	21.06	22.50
15	64QAM	1	74	21.07	21.09	21.00	22.50
15	64QAM	36	0	20.14	20.21	20.11	21.50
15	64QAM	36	20	20.25	20.37	20.29	21.50
15	64QAM	36	39	20.23	20.21	20.18	21.50
15	64QAM	75	0	20.16	20.29	20.23	21.50
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	23.15	23.27	23.13	24.50
10	QPSK	1	25	23.17	23.23	23.08	24.50
10	QPSK	1	49	23.02	23.10	23.08	24.50
10	QPSK	25	0	22.07	22.12	22.01	23.50
10	QPSK	25	12	22.01	22.06	22.01	23.50
10	QPSK	25	25	22.01	22.10	22.00	23.50
10	QPSK	50	0	22.01	22.13	22.08	23.50
10	16QAM	1	0	22.03	22.00	22.01	23.50
10	16QAM	1	25	22.01	22.11	22.03	23.50
10	16QAM	1	49	22.03	22.06	22.00	23.50
10	16QAM	25	0	21.05	21.21	21.08	22.50
10	16QAM	25	12	21.05	21.10	21.07	22.50
10	16QAM	25	25	21.00	21.25	21.02	22.50
10	16QAM	50	0	21.01	21.08	21.00	22.50
10	64QAM	1	0	21.05	21.17	21.00	22.50
10	64QAM	1	25	21.09	21.17	21.07	22.50
10	64QAM	1	49	21.12	21.15	21.00	22.50
10	64QAM	25	0	20.17	20.21	20.13	21.50
10	64QAM	25	12	20.24	20.31	20.25	21.50
10	64QAM	25	25	20.22	20.21	20.18	21.50



10	64QAM	50	0	20.11	20.20	20.16	21.50
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.14	23.23	23.22	24.50
5	QPSK	1	12	23.08	23.21	23.06	24.50
5	QPSK	1	24	23.03	23.09	23.06	24.50
5	QPSK	12	0	22.01	22.08	22.01	23.50
5	QPSK	12	7	22.02	22.10	22.00	23.50
5	QPSK	12	13	22.00	22.02	22.00	23.50
5	QPSK	25	0	22.03	22.04	22.00	23.50
5	16QAM	1	0	22.03	22.03	22.02	23.50
5	16QAM	1	12	22.00	22.07	22.03	23.50
5	16QAM	1	24	22.02	22.12	22.00	23.50
5	16QAM	12	0	21.11	21.16	21.06	22.50
5	16QAM	12	7	21.00	21.16	21.04	22.50
5	16QAM	12	13	21.00	21.18	21.00	22.50
5	16QAM	25	0	21.10	21.18	21.01	22.50
5	64QAM	1	0	21.00	21.11	21.02	22.50
5	64QAM	1	12	21.01	21.18	21.17	22.50
5	64QAM	1	24	21.00	21.08	21.04	22.50
5	64QAM	12	0	20.12	20.28	20.19	21.50
5	64QAM	12	7	20.31	20.29	20.21	21.50
5	64QAM	12	13	20.22	20.20	20.09	21.50
5	64QAM	25	0	20.13	20.26	20.16	21.50

【LTE Band 38_Ant 4_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				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	14.23	14.41	14.31	15.50
20	QPSK	1	49	14.20	14.29	14.31	15.50
20	QPSK	1	99	14.21	14.40	14.19	15.50
20	QPSK	50	0	14.28	14.34	14.27	15.50
20	QPSK	50	24	14.24	14.18	14.19	15.50
20	QPSK	50	50	14.27	14.31	14.19	15.50
20	QPSK	100	0	14.19	14.27	14.20	15.50
20	16QAM	1	0	14.19	14.17	14.29	15.50
20	16QAM	1	49	14.33	14.26	14.15	15.50
20	16QAM	1	99	14.21	14.40	14.22	15.50
20	16QAM	50	0	14.20	14.40	14.31	15.50
20	16QAM	50	24	14.30	14.34	14.16	15.50
20	16QAM	50	50	14.27	14.19	14.19	15.50
20	16QAM	100	0	14.37	14.39	14.22	15.50
20	64QAM	1	0	14.25	14.25	14.22	15.50
20	64QAM	1	49	14.30	14.26	14.28	15.50
20	64QAM	1	99	14.30	14.26	14.25	15.50
20	64QAM	50	0	14.28	14.37	14.33	15.50
20	64QAM	50	24	14.28	14.18	14.18	15.50
20	64QAM	50	50	14.26	14.31	14.28	15.50
20	64QAM	100	0	14.36	14.21	14.17	15.50
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	14.32	14.24	14.22	15.50
15	QPSK	1	37	14.28	14.32	14.29	15.50
15	QPSK	1	74	14.35	14.21	14.19	15.50
15	QPSK	36	0	14.23	14.34	14.33	15.50
15	QPSK	36	20	14.23	14.22	14.31	15.50
15	QPSK	36	39	14.31	14.36	14.20	15.50
15	QPSK	75	0	14.37	14.35	14.32	15.50
15	16QAM	1	0	14.35	14.22	14.26	15.50
15	16QAM	1	37	14.26	14.37	14.35	15.50
15	16QAM	1	74	14.20	14.27	14.14	15.50
15	16QAM	36	0	14.19	14.28	14.24	15.50
15	16QAM	36	20	14.34	14.33	14.28	15.50
15	16QAM	36	39	14.16	14.25	14.15	15.50
15	16QAM	75	0	14.36	14.31	14.33	15.50
15	64QAM	1	0	14.21	14.29	14.27	15.50
15	64QAM	1	37	14.29	14.18	14.23	15.50
15	64QAM	1	74	14.19	14.25	14.34	15.50
15	64QAM	36	0	14.35	14.32	14.36	15.50



15	64QAM	36	20	14.15	14.27	14.20	15.50
15	64QAM	36	39	14.14	14.38	14.23	15.50
15	64QAM	75	0	14.19	14.22	14.25	15.50
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	14.31	14.37	14.28	15.50
10	QPSK	1	25	14.34	14.40	14.30	15.50
10	QPSK	1	49	14.38	14.38	14.21	15.50
10	QPSK	25	0	14.33	14.23	14.36	15.50
10	QPSK	25	12	14.20	14.35	14.23	15.50
10	QPSK	25	25	14.29	14.19	14.13	15.50
10	QPSK	50	0	14.32	14.32	14.30	15.50
10	16QAM	1	0	14.36	14.30	14.32	15.50
10	16QAM	1	25	14.23	14.17	14.34	15.50
10	16QAM	1	49	14.24	14.21	14.14	15.50
10	16QAM	25	0	14.34	14.29	14.14	15.50
10	16QAM	25	12	14.21	14.22	14.18	15.50
10	16QAM	25	25	14.16	14.35	14.21	15.50
10	16QAM	50	0	14.14	14.17	14.17	15.50
10	64QAM	1	0	14.28	14.34	14.22	15.50
10	64QAM	1	25	14.28	14.28	14.21	15.50
10	64QAM	1	49	14.14	14.40	14.16	15.50
10	64QAM	25	0	14.16	14.34	14.24	15.50
10	64QAM	25	12	14.17	14.27	14.19	15.50
10	64QAM	25	25	14.31	14.28	14.23	15.50
10	64QAM	50	0	14.19	14.30	14.20	15.50
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	14.20	14.21	14.30	15.50
5	QPSK	1	12	14.34	14.29	14.27	15.50
5	QPSK	1	24	14.34	14.25	14.23	15.50
5	QPSK	12	0	14.22	14.35	14.26	15.50
5	QPSK	12	7	14.27	14.28	14.24	15.50
5	QPSK	12	13	14.27	14.28	14.15	15.50
5	QPSK	25	0	14.18	14.26	14.28	15.50
5	16QAM	1	0	14.27	14.23	14.18	15.50
5	16QAM	1	12	14.33	14.22	14.22	15.50
5	16QAM	1	24	14.37	14.40	14.13	15.50
5	16QAM	12	0	14.29	14.40	14.15	15.50
5	16QAM	12	7	14.37	14.32	14.29	15.50
5	16QAM	12	13	14.28	14.25	14.20	15.50
5	16QAM	25	0	14.21	14.36	14.30	15.50
5	64QAM	1	0	14.18	14.37	14.23	15.50
5	64QAM	1	12	14.32	14.23	14.18	15.50
5	64QAM	1	24	14.20	14.38	14.33	15.50
5	64QAM	12	0	14.33	14.25	14.24	15.50
5	64QAM	12	7	14.17	14.28	14.18	15.50
5	64QAM	12	13	14.22	14.30	14.32	15.50
5	64QAM	25	0	14.36	14.36	14.17	15.50

【LTE Band 38_Ant 4_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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.23	23.25	23.21	24.50
20	QPSK	1	49	23.20	23.25	23.19	24.50
20	QPSK	1	99	23.05	23.21	23.09	24.50
20	QPSK	50	0	22.10	22.18	22.05	23.50
20	QPSK	50	24	22.06	22.16	22.06	23.50
20	QPSK	50	50	22.07	22.14	22.06	23.50
20	QPSK	100	0	22.07	22.18	22.13	23.50
20	16QAM	1	0	22.07	22.14	22.03	23.50
20	16QAM	1	49	22.02	22.13	22.07	23.50
20	16QAM	1	99	22.10	22.16	22.00	23.50
20	16QAM	50	0	21.15	21.25	21.10	22.50
20	16QAM	50	24	21.07	21.22	21.15	22.50
20	16QAM	50	50	21.09	21.27	21.11	22.50
20	16QAM	100	0	21.11	21.23	21.14	22.50
20	64QAM	1	0	21.09	21.26	21.08	22.50
20	64QAM	1	49	21.13	21.24	21.18	22.50
20	64QAM	1	99	21.15	21.22	21.08	22.50



20	64QAM	50	0	20.26	20.34	20.22	21.50
20	64QAM	50	24	20.34	20.39	20.32	21.50
20	64QAM	50	50	20.26	20.33	20.23	21.50
20	64QAM	100	0	20.17	20.31	20.25	21.50
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.20	23.22	23.23	24.50
15	QPSK	1	37	23.11	23.14	23.14	24.50
15	QPSK	1	74	23.01	23.17	23.00	24.50
15	QPSK	36	0	22.01	22.13	22.02	23.50
15	QPSK	36	20	22.00	22.08	22.01	23.50
15	QPSK	36	39	22.02	22.13	22.00	23.50
15	QPSK	75	0	22.05	22.05	22.05	23.50
15	16QAM	1	0	22.02	22.10	22.00	23.50
15	16QAM	1	37	22.01	22.11	22.00	23.50
15	16QAM	1	74	22.00	22.10	22.00	23.50
15	16QAM	36	0	21.08	21.19	21.01	22.50
15	16QAM	36	20	21.00	21.10	21.11	22.50
15	16QAM	36	39	21.06	21.23	21.08	22.50
15	16QAM	75	0	21.01	21.10	21.00	22.50
15	64QAM	1	0	21.00	21.17	21.06	22.50
15	64QAM	1	37	21.00	21.21	21.06	22.50
15	64QAM	1	74	21.07	21.09	21.00	22.50
15	64QAM	36	0	20.14	20.21	20.11	21.50
15	64QAM	36	20	20.25	20.37	20.29	21.50
15	64QAM	36	39	20.23	20.21	20.18	21.50
15	64QAM	75	0	20.16	20.29	20.23	21.50
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.15	23.27	23.13	24.50
10	QPSK	1	25	23.17	23.23	23.08	24.50
10	QPSK	1	49	23.02	23.10	23.08	24.50
10	QPSK	25	0	22.07	22.12	22.01	23.50
10	QPSK	25	12	22.01	22.06	22.01	23.50
10	QPSK	25	25	22.01	22.10	22.00	23.50
10	QPSK	50	0	22.01	22.13	22.08	23.50
10	16QAM	1	0	22.03	22.00	22.01	23.50
10	16QAM	1	25	22.01	22.11	22.03	23.50
10	16QAM	1	49	22.03	22.06	22.00	23.50
10	16QAM	25	0	21.05	21.21	21.08	22.50
10	16QAM	25	12	21.05	21.10	21.07	22.50
10	16QAM	25	25	21.00	21.25	21.02	22.50
10	16QAM	50	0	21.01	21.08	21.00	22.50
10	64QAM	1	0	21.05	21.17	21.00	22.50
10	64QAM	1	25	21.09	21.17	21.07	22.50
10	64QAM	1	49	21.12	21.15	21.00	22.50
10	64QAM	25	0	20.17	20.21	20.13	21.50
10	64QAM	25	12	20.24	20.31	20.25	21.50
10	64QAM	25	25	20.22	20.21	20.18	21.50
10	64QAM	50	0	20.11	20.20	20.16	21.50
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.14	23.23	23.22	24.50
5	QPSK	1	12	23.08	23.21	23.06	24.50
5	QPSK	1	24	23.03	23.09	23.06	24.50
5	QPSK	12	0	22.01	22.08	22.01	23.50
5	QPSK	12	7	22.02	22.10	22.00	23.50
5	QPSK	12	13	22.00	22.02	22.00	23.50
5	QPSK	25	0	22.03	22.04	22.00	23.50
5	16QAM	1	0	22.03	22.03	22.02	23.50
5	16QAM	1	12	22.00	22.07	22.03	23.50
5	16QAM	1	24	22.02	22.12	22.00	23.50
5	16QAM	12	0	21.11	21.16	21.06	22.50
5	16QAM	12	7	21.00	21.16	21.04	22.50
5	16QAM	12	13	21.00	21.18	21.00	22.50
5	16QAM	25	0	21.10	21.18	21.01	22.50
5	64QAM	1	0	21.00	21.11	21.02	22.50
5	64QAM	1	12	21.01	21.18	21.17	22.50
5	64QAM	1	24	21.00	21.08	21.04	22.50
5	64QAM	12	0	20.12	20.28	20.19	21.50
5	64QAM	12	7	20.31	20.29	20.21	21.50
5	64QAM	12	13	20.22	20.20	20.09	21.50
5	64QAM	25	0	20.13	20.26	20.16	21.50



【LTE Band 41__FCC (2496~2690MHz)_Ant
4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.15	23.14	23.26	23.18	23.16	24.50
20	QPSK	1	49	22.97	22.94	23.21	23.05	23.03	24.50
20	QPSK	1	99	22.95	23.02	23.19	23.00	22.95	24.50
20	QPSK	50	0	21.96	22.00	22.15	21.99	21.91	23.50
20	QPSK	50	24	21.85	21.93	22.09	21.98	21.95	23.50
20	QPSK	50	50	21.99	21.97	22.11	21.89	21.98	23.50
20	QPSK	100	0	21.89	21.88	22.12	22.00	21.99	23.50
20	16QAM	1	0	22.02	21.95	22.19	22.01	22.02	23.50
20	16QAM	1	49	21.95	21.98	22.16	21.94	22.00	23.50
20	16QAM	1	99	21.94	21.85	22.09	21.92	21.97	23.50
20	16QAM	50	0	21.10	20.98	21.23	21.11	21.13	22.50
20	16QAM	50	24	21.07	21.11	21.26	21.07	21.02	22.50
20	16QAM	50	50	20.98	21.04	21.19	20.98	21.04	22.50
20	16QAM	100	0	20.99	21.02	21.21	21.04	21.01	22.50
20	64QAM	1	0	21.03	21.04	21.28	21.10	21.12	22.50
20	64QAM	1	49	21.09	21.08	21.25	21.04	21.12	22.50
20	64QAM	1	99	21.16	21.03	21.27	21.12	21.16	22.50
20	64QAM	50	0	20.14	20.17	20.33	20.18	20.15	21.50
20	64QAM	50	24	20.10	20.06	20.31	20.15	20.15	21.50
20	64QAM	50	50	20.05	20.07	20.26	20.07	20.06	21.50
20	64QAM	100	0	20.06	20.09	20.21	20.09	20.07	21.50
Channel				39725	40172	40620	41067	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.25	2593	2637.75	2682.5	
15	QPSK	1	0	23.10	23.00	23.21	23.04	23.05	24.50
15	QPSK	1	37	22.82	22.84	23.09	23.01	22.89	24.50
15	QPSK	1	74	22.87	22.92	23.16	22.98	22.87	24.50
15	QPSK	36	0	21.90	21.90	22.01	21.84	21.77	23.50
15	QPSK	36	20	21.82	21.79	22.00	21.95	21.84	23.50
15	QPSK	36	39	21.89	21.91	22.00	21.87	21.93	23.50
15	QPSK	75	0	21.83	21.76	22.06	21.85	21.94	23.50
15	16QAM	1	0	21.93	21.93	22.04	21.86	21.94	23.50
15	16QAM	1	37	21.85	21.96	22.07	21.90	21.89	23.50
15	16QAM	1	74	21.82	21.79	21.96	21.87	21.85	23.50
15	16QAM	36	0	21.03	20.83	21.21	21.06	21.08	22.50
15	16QAM	36	20	21.02	21.00	21.14	20.93	20.91	22.50
15	16QAM	36	39	20.92	20.99	21.16	20.84	20.92	22.50
15	16QAM	75	0	20.92	20.90	21.14	20.90	20.88	22.50
15	64QAM	1	0	20.90	20.97	21.23	20.97	21.04	22.50
15	64QAM	1	37	20.96	20.95	21.16	21.01	21.08	22.50
15	64QAM	1	74	21.09	20.98	21.13	21.09	21.11	22.50
15	64QAM	36	0	20.04	20.15	20.29	20.10	20.13	21.50
15	64QAM	36	20	20.00	19.96	20.27	20.13	20.12	21.50
15	64QAM	36	39	19.96	19.97	20.12	19.99	19.96	21.50
15	64QAM	75	0	19.92	20.01	20.13	20.02	20.02	21.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.07	23.01	23.17	23.06	23.04	24.50
10	QPSK	1	25	22.90	22.92	23.06	22.92	22.95	24.50
10	QPSK	1	49	22.92	22.87	23.16	22.97	22.86	24.50
10	QPSK	25	0	21.91	21.94	22.08	21.97	21.79	23.50
10	QPSK	25	12	21.80	21.84	21.97	21.85	21.84	23.50
10	QPSK	25	25	21.93	21.86	22.06	21.77	21.94	23.50
10	QPSK	50	0	21.82	21.79	22.03	21.88	21.94	23.50
10	16QAM	1	0	21.93	21.82	22.05	21.99	22.00	23.50
10	16QAM	1	25	21.85	21.86	22.02	21.80	21.94	23.50
10	16QAM	1	49	21.82	21.73	21.98	21.88	21.83	23.50
10	16QAM	25	0	20.97	20.85	21.20	21.02	21.01	22.50
10	16QAM	25	12	21.06	21.04	21.13	20.97	20.95	22.50
10	16QAM	25	25	20.93	21.02	21.11	20.89	21.00	22.50
10	16QAM	50	0	20.90	20.91	21.19	20.91	20.99	22.50
10	64QAM	1	0	20.95	20.91	21.23	20.97	21.02	22.50
10	64QAM	1	25	21.05	20.93	21.21	21.01	21.06	22.50
10	64QAM	1	49	21.09	20.89	21.22	21.06	21.14	22.50
10	64QAM	25	0	20.06	20.03	20.19	20.09	20.00	21.50
10	64QAM	25	12	19.97	19.92	20.27	20.09	20.04	21.50



10	64QAM	25	25	19.99	19.97	20.19	19.93	19.98	21.50
10	64QAM	50	0	20.04	19.99	20.20	20.02	19.98	21.50
Channel				39675	40147	40620	41092	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.75	2593	2640.25	2687.5	
5	QPSK	1	0	23.11	23.07	23.15	23.16	23.13	24.50
5	QPSK	1	12	22.95	22.81	23.10	23.01	23.01	24.50
5	QPSK	1	24	22.92	22.88	23.07	22.92	22.88	24.50
5	QPSK	12	0	21.87	21.86	22.06	21.84	21.78	23.50
5	QPSK	12	7	21.75	21.83	21.94	21.84	21.83	23.50
5	QPSK	12	13	21.85	21.94	22.04	21.83	21.92	23.50
5	QPSK	25	0	21.78	21.76	21.98	21.91	21.87	23.50
5	16QAM	1	0	21.94	21.91	22.17	21.93	21.89	23.50
5	16QAM	1	12	21.80	21.93	22.07	21.90	21.93	23.50
5	16QAM	1	24	21.85	21.78	21.99	21.85	21.85	23.50
5	16QAM	12	0	20.97	20.92	21.10	21.01	21.09	22.50
5	16QAM	12	7	21.01	20.98	21.24	20.95	20.91	22.50
5	16QAM	12	13	20.91	20.96	21.13	20.91	20.97	22.50
5	16QAM	25	0	20.94	20.93	21.17	21.01	20.88	22.50
5	64QAM	1	0	21.00	20.94	21.25	20.96	21.00	22.50
5	64QAM	1	12	21.02	21.02	21.18	20.96	21.03	22.50
5	64QAM	1	24	21.06	20.89	21.15	21.00	21.05	22.50
5	64QAM	12	0	20.06	20.10	20.30	20.05	20.10	21.50
5	64QAM	12	7	20.01	20.01	20.30	20.04	20.08	21.50
5	64QAM	12	13	20.00	20.02	20.21	20.05	19.97	21.50
5	64QAM	25	0	20.04	20.05	20.08	19.95	20.01	21.50

【LTE Band 41__FCC (2496~2690MHz)_Ant
4_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	14.32	14.39	14.40	14.35	14.31	15.50
20	QPSK	1	49	14.04	14.19	14.35	14.13	14.19	15.50
20	QPSK	1	99	14.13	14.12	14.27	14.23	14.05	15.50
20	QPSK	50	0	14.05	14.17	14.32	14.20	14.06	15.50
20	QPSK	50	24	14.05	14.26	14.18	14.18	14.05	15.50
20	QPSK	50	50	14.22	14.12	14.22	14.16	14.25	15.50
20	QPSK	100	0	14.17	14.24	14.30	14.25	14.18	15.50
20	16QAM	1	0	14.13	14.09	14.18	14.09	14.18	15.50
20	16QAM	1	49	14.12	14.17	14.28	14.22	14.05	15.50
20	16QAM	1	99	14.22	14.13	14.20	14.24	14.09	15.50
20	16QAM	50	0	14.20	14.07	14.29	14.07	14.06	15.50
20	16QAM	50	24	14.17	14.17	14.36	14.16	14.23	15.50
20	16QAM	50	50	14.26	14.23	14.35	14.19	14.04	15.50
20	16QAM	100	0	14.20	14.12	14.16	14.12	14.14	15.50
20	64QAM	1	0	14.18	14.07	14.26	14.16	14.22	15.50
20	64QAM	1	49	14.25	14.15	14.30	14.12	14.07	15.50
20	64QAM	1	99	14.09	14.08	14.27	14.14	14.04	15.50
20	64QAM	50	0	14.12	14.18	14.16	14.09	14.18	15.50
20	64QAM	50	24	14.08	14.20	14.19	14.16	14.27	15.50
20	64QAM	50	50	14.23	14.05	14.19	14.08	14.23	15.50
20	64QAM	100	0	14.11	14.23	14.33	14.23	14.14	15.50
Channel				39725	40172	40620	41067	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.25	2593	2637.75	2682.5	
15	QPSK	1	0	14.07	14.16	14.22	14.09	14.10	15.50
15	QPSK	1	37	14.13	14.05	14.37	14.23	14.25	15.50
15	QPSK	1	74	14.20	14.24	14.31	14.17	14.10	15.50
15	QPSK	36	0	14.15	14.05	14.28	14.20	14.07	15.50
15	QPSK	36	20	14.20	14.18	14.30	14.10	14.08	15.50
15	QPSK	36	39	14.13	14.11	14.28	14.11	14.05	15.50
15	QPSK	75	0	14.13	14.16	14.21	14.07	14.22	15.50
15	16QAM	1	0	14.04	14.25	14.20	14.09	14.27	15.50
15	16QAM	1	37	14.26	14.06	14.14	14.29	14.20	15.50
15	16QAM	1	74	14.08	14.26	14.35	14.13	14.08	15.50
15	16QAM	36	0	14.13	14.19	14.17	14.17	14.05	15.50
15	16QAM	36	20	14.16	14.20	14.16	14.22	14.14	15.50
15	16QAM	36	39	14.15	14.25	14.38	14.20	14.14	15.50
15	16QAM	75	0	14.05	14.19	14.30	14.29	14.24	15.50
15	64QAM	1	0	14.12	14.19	14.20	14.10	14.16	15.50
15	64QAM	1	37	14.04	14.18	14.21	14.26	14.15	15.50



15	64QAM	1	74	14.12	14.08	14.24	14.19	14.06	15.50
15	64QAM	36	0	14.18	14.20	14.38	14.25	14.16	15.50
15	64QAM	36	20	14.16	14.14	14.37	14.25	14.20	15.50
15	64QAM	36	39	14.04	14.09	14.21	14.14	14.17	15.50
15	64QAM	75	0	14.13	14.13	14.24	14.19	14.04	15.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	14.25	14.13	14.24	14.13	14.07	15.50
10	QPSK	1	25	14.06	14.02	14.33	14.30	14.10	15.50
10	QPSK	1	49	14.10	14.05	14.16	14.23	14.07	15.50
10	QPSK	25	0	14.24	14.20	14.35	14.24	14.15	15.50
10	QPSK	25	12	14.26	14.17	14.17	14.09	14.23	15.50
10	QPSK	25	25	14.11	14.24	14.37	14.21	14.08	15.50
10	QPSK	50	0	14.12	14.07	14.24	14.27	14.25	15.50
10	16QAM	1	0	14.17	14.18	14.16	14.12	14.27	15.50
10	16QAM	1	25	14.22	14.07	14.18	14.27	14.17	15.50
10	16QAM	1	49	14.26	14.23	14.18	14.07	14.20	15.50
10	16QAM	25	0	14.07	14.08	14.21	14.10	14.07	15.50
10	16QAM	25	12	14.10	14.20	14.14	14.09	14.22	15.50
10	16QAM	25	25	14.05	14.22	14.36	14.17	14.11	15.50
10	16QAM	50	0	14.11	14.13	14.35	14.28	14.26	15.50
10	64QAM	1	0	14.19	14.04	14.20	14.30	14.12	15.50
10	64QAM	1	25	14.23	14.08	14.36	14.11	14.13	15.50
10	64QAM	1	49	14.10	14.18	14.26	14.07	14.21	15.50
10	64QAM	25	0	14.04	14.12	14.24	14.20	14.09	15.50
10	64QAM	25	12	14.12	14.11	14.28	14.29	14.09	15.50
10	64QAM	25	25	14.14	14.21	14.34	14.23	14.20	15.50
10	64QAM	50	0	14.25	14.09	14.21	14.15	14.06	15.50
Channel				39675	40147	40620	41092	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.75	2593	2640.25	2687.5	
5	QPSK	1	0	14.20	14.20	14.32	14.12	14.11	15.50
5	QPSK	1	12	14.20	14.10	14.36	14.30	14.17	15.50
5	QPSK	1	24	14.12	14.22	14.32	14.15	14.26	15.50
5	QPSK	12	0	14.21	14.24	14.19	14.23	14.08	15.50
5	QPSK	12	7	14.27	14.24	14.36	14.26	14.15	15.50
5	QPSK	12	13	14.26	14.10	14.26	14.27	14.09	15.50
5	QPSK	25	0	14.13	14.18	14.31	14.11	14.20	15.50
5	16QAM	1	0	14.25	14.24	14.23	14.10	14.19	15.50
5	16QAM	1	12	14.13	14.13	14.23	14.19	14.18	15.50
5	16QAM	1	24	14.26	14.14	14.32	14.08	14.19	15.50
5	16QAM	12	0	14.09	14.25	14.14	14.23	14.27	15.50
5	16QAM	12	7	14.05	14.09	14.16	14.19	14.05	15.50
5	16QAM	12	13	14.23	14.26	14.24	14.09	14.19	15.50
5	16QAM	25	0	14.25	14.07	14.31	14.15	14.27	15.50
5	64QAM	1	0	14.04	14.21	14.24	14.22	14.22	15.50
5	64QAM	1	12	14.24	14.20	14.30	14.28	14.13	15.50
5	64QAM	1	24	14.08	14.17	14.35	14.12	14.08	15.50
5	64QAM	12	0	14.25	14.18	14.17	14.28	14.12	15.50
5	64QAM	12	7	14.22	14.19	14.31	14.28	14.26	15.50
5	64QAM	12	13	14.15	14.20	14.20	14.23	14.26	15.50
5	64QAM	25	0	14.27	14.06	14.24	14.13	14.08	15.50

【LTE Band 41_FCC (2496~2690MHz)_Ant

4_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.15	23.14	23.26	23.18	23.16	24.50
20	QPSK	1	49	22.97	22.94	23.21	23.05	23.03	24.50
20	QPSK	1	99	22.95	23.02	23.19	23.00	22.95	24.50
20	QPSK	50	0	21.96	22.00	22.15	21.99	21.91	23.50
20	QPSK	50	24	21.85	21.93	22.09	21.98	21.95	23.50
20	QPSK	50	50	21.99	21.97	22.11	21.89	21.98	23.50
20	QPSK	100	0	21.89	21.88	22.12	22.00	21.99	23.50
20	16QAM	1	0	22.02	21.95	22.19	22.01	22.02	23.50
20	16QAM	1	49	21.95	21.98	22.16	21.94	22.00	23.50
20	16QAM	1	99	21.94	21.85	22.09	21.92	21.97	23.50
20	16QAM	50	0	21.10	20.98	21.23	21.11	21.13	22.50
20	16QAM	50	24	21.07	21.11	21.26	21.07	21.02	22.50
20	16QAM	50	50	20.98	21.04	21.19	20.98	21.04	22.50



20	16QAM	100	0	20.99	21.02	21.21	21.04	21.01	22.50
20	64QAM	1	0	21.03	21.04	21.28	21.10	21.12	22.50
20	64QAM	1	49	21.09	21.08	21.25	21.04	21.12	22.50
20	64QAM	1	99	21.16	21.03	21.27	21.12	21.16	22.50
20	64QAM	50	0	20.14	20.17	20.33	20.18	20.15	21.50
20	64QAM	50	24	20.10	20.06	20.31	20.15	20.15	21.50
20	64QAM	50	50	20.05	20.07	20.26	20.07	20.06	21.50
20	64QAM	100	0	20.06	20.09	20.21	20.09	20.07	21.50
Channel				39725	40172	40620	41067	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.25	2593	2637.75	2682.5	
15	QPSK	1	0	23.10	23.00	23.21	23.04	23.05	24.50
15	QPSK	1	37	22.82	22.84	23.09	23.01	22.89	24.50
15	QPSK	1	74	22.87	22.92	23.16	22.98	22.87	24.50
15	QPSK	36	0	21.90	21.90	22.01	21.84	21.77	23.50
15	QPSK	36	20	21.82	21.79	22.00	21.95	21.84	23.50
15	QPSK	36	39	21.89	21.91	22.00	21.87	21.93	23.50
15	QPSK	75	0	21.83	21.76	22.06	21.85	21.94	23.50
15	16QAM	1	0	21.93	21.93	22.04	21.86	21.94	23.50
15	16QAM	1	37	21.85	21.96	22.07	21.90	21.89	23.50
15	16QAM	1	74	21.82	21.79	21.96	21.87	21.85	23.50
15	16QAM	36	0	21.03	20.83	21.21	21.06	21.08	22.50
15	16QAM	36	20	21.02	21.00	21.14	20.93	20.91	22.50
15	16QAM	36	39	20.92	20.99	21.16	20.84	20.92	22.50
15	16QAM	75	0	20.92	20.90	21.14	20.90	20.88	22.50
15	64QAM	1	0	20.90	20.97	21.23	20.97	21.04	22.50
15	64QAM	1	37	20.96	20.95	21.16	21.01	21.08	22.50
15	64QAM	1	74	21.09	20.98	21.13	21.09	21.11	22.50
15	64QAM	36	0	20.04	20.15	20.29	20.10	20.13	21.50
15	64QAM	36	20	20.00	19.96	20.27	20.13	20.12	21.50
15	64QAM	36	39	19.96	19.97	20.12	19.99	19.96	21.50
15	64QAM	75	0	19.92	20.01	20.13	20.02	20.02	21.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.07	23.01	23.17	23.06	23.04	24.50
10	QPSK	1	25	22.90	22.92	23.06	22.92	22.95	24.50
10	QPSK	1	49	22.92	22.87	23.16	22.97	22.86	24.50
10	QPSK	25	0	21.91	21.94	22.08	21.97	21.79	23.50
10	QPSK	25	12	21.80	21.84	21.97	21.85	21.84	23.50
10	QPSK	25	25	21.93	21.86	22.06	21.77	21.94	23.50
10	QPSK	50	0	21.82	21.79	22.03	21.88	21.94	23.50
10	16QAM	1	0	21.93	21.82	22.05	21.99	22.00	23.50
10	16QAM	1	25	21.85	21.86	22.02	21.80	21.94	23.50
10	16QAM	1	49	21.82	21.73	21.98	21.88	21.83	23.50
10	16QAM	25	0	20.97	20.85	21.20	21.02	21.01	22.50
10	16QAM	25	12	21.06	21.04	21.13	20.97	20.95	22.50
10	16QAM	25	25	20.93	21.02	21.11	20.89	21.00	22.50
10	16QAM	50	0	20.90	20.91	21.19	20.91	20.99	22.50
10	64QAM	1	0	20.95	20.91	21.23	20.97	21.02	22.50
10	64QAM	1	25	21.05	20.93	21.21	21.01	21.06	22.50
10	64QAM	1	49	21.09	20.89	21.22	21.06	21.14	22.50
10	64QAM	25	0	20.06	20.03	20.19	20.09	20.00	21.50
10	64QAM	25	12	19.97	19.92	20.27	20.09	20.04	21.50
10	64QAM	25	25	19.99	19.97	20.19	19.93	19.98	21.50
10	64QAM	50	0	20.04	19.99	20.20	20.02	19.98	21.50
Channel				39675	40147	40620	41092	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.75	2593	2640.25	2687.5	
5	QPSK	1	0	23.11	23.07	23.15	23.16	23.13	24.50
5	QPSK	1	12	22.95	22.81	23.10	23.01	23.01	24.50
5	QPSK	1	24	22.92	22.88	23.07	22.92	22.88	24.50
5	QPSK	12	0	21.87	21.86	22.06	21.84	21.78	23.50
5	QPSK	12	7	21.75	21.83	21.94	21.84	21.83	23.50
5	QPSK	12	13	21.85	21.94	22.04	21.83	21.92	23.50
5	QPSK	25	0	21.78	21.76	21.98	21.91	21.87	23.50
5	16QAM	1	0	21.94	21.91	22.17	21.93	21.89	23.50
5	16QAM	1	12	21.80	21.93	22.07	21.90	21.93	23.50
5	16QAM	1	24	21.85	21.78	21.99	21.85	21.85	23.50
5	16QAM	12	0	20.97	20.92	21.10	21.01	21.09	22.50
5	16QAM	12	7	21.01	20.98	21.24	20.95	20.91	22.50
5	16QAM	12	13	20.91	20.96	21.13	20.91	20.97	22.50
5	16QAM	25	0	20.94	20.93	21.17	21.01	20.88	22.50
5	64QAM	1	0	21.00	20.94	21.25	20.96	21.00	22.50
5	64QAM	1	12	21.02	21.02	21.18	20.96	21.03	22.50



5	64QAM	1	24	21.06	20.89	21.15	21.00	21.05	22.50
5	64QAM	12	0	20.06	20.10	20.30	20.05	20.10	21.50
5	64QAM	12	7	20.01	20.01	20.30	20.04	20.08	21.50
5	64QAM	12	13	20.00	20.02	20.21	20.05	19.97	21.50
5	64QAM	25	0	20.04	20.05	20.08	19.95	20.01	21.50

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant
3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.01	23.08	22.98	24.00
20	QPSK	1	49	22.91	23.00	22.95	24.00
20	QPSK	1	99	22.89	23.02	22.88	24.00
20	QPSK	50	0	22.02	22.09	22.02	23.00
20	QPSK	50	24	21.97	21.97	22.01	23.00
20	QPSK	50	50	21.93	21.95	22.00	23.00
20	QPSK	100	0	22.02	22.07	22.01	23.00
20	16QAM	1	0	22.10	22.06	21.99	23.00
20	16QAM	1	49	21.83	21.98	22.03	23.00
20	16QAM	1	99	21.92	21.97	21.86	23.00
20	16QAM	50	0	20.99	21.04	21.09	22.00
20	16QAM	50	24	20.96	20.93	21.07	22.00
20	16QAM	50	50	20.93	20.89	20.92	22.00
20	16QAM	100	0	21.04	21.02	21.02	22.00
20	64QAM	1	0	21.15	21.05	21.02	22.00
20	64QAM	1	49	20.90	21.01	21.08	22.00
20	64QAM	1	99	20.95	20.91	20.92	22.00
20	64QAM	50	0	20.03	20.04	20.12	21.00
20	64QAM	50	24	19.84	19.96	19.94	21.00
20	64QAM	50	50	19.87	19.90	19.97	21.00
20	64QAM	100	0	20.07	19.97	20.02	21.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	22.96	23.05	22.90	24.00
15	QPSK	1	37	22.89	22.91	22.84	24.00
15	QPSK	1	74	22.83	22.94	22.78	24.00
15	QPSK	36	0	21.88	21.96	22.00	23.00
15	QPSK	36	20	21.85	21.93	21.91	23.00
15	QPSK	36	39	21.83	21.83	21.94	23.00
15	QPSK	75	0	21.93	21.96	21.95	23.00
15	16QAM	1	0	22.08	21.97	21.90	23.00
15	16QAM	1	37	21.71	21.86	21.95	23.00
15	16QAM	1	74	21.83	21.88	21.81	23.00
15	16QAM	36	0	20.87	20.99	21.00	22.00
15	16QAM	36	20	20.90	20.81	20.97	22.00
15	16QAM	36	39	20.80	20.84	20.82	22.00
15	16QAM	75	0	21.00	20.98	20.92	22.00
15	64QAM	1	0	21.04	20.99	20.88	22.00
15	64QAM	1	37	20.85	20.94	20.95	22.00
15	64QAM	1	74	20.86	20.89	20.87	22.00
15	64QAM	36	0	19.92	19.98	20.00	21.00
15	64QAM	36	20	19.78	19.82	19.92	21.00
15	64QAM	36	39	19.80	19.80	19.91	21.00
15	64QAM	75	0	19.93	19.94	19.92	21.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	22.95	22.97	22.93	24.00
10	QPSK	1	25	22.85	22.87	22.81	24.00
10	QPSK	1	49	22.81	22.97	22.74	24.00
10	QPSK	25	0	21.95	22.06	21.97	23.00
10	QPSK	25	12	21.83	21.88	21.96	23.00
10	QPSK	25	25	21.81	21.91	21.94	23.00
10	QPSK	50	0	21.97	22.04	21.94	23.00
10	16QAM	1	0	22.02	22.00	21.89	23.00
10	16QAM	1	25	21.75	21.94	22.00	23.00
10	16QAM	1	49	21.85	21.94	21.75	23.00
10	16QAM	25	0	20.87	20.90	20.97	22.00
10	16QAM	25	12	20.91	20.90	20.98	22.00
10	16QAM	25	25	20.84	20.78	20.82	22.00
10	16QAM	50	0	20.94	20.88	20.89	22.00



10	64QAM	1	0	21.03	20.99	20.99	22.00
10	64QAM	1	25	20.82	20.93	20.95	22.00
10	64QAM	1	49	20.86	20.88	20.86	22.00
10	64QAM	25	0	19.96	19.91	20.09	21.00
10	64QAM	25	12	19.81	19.92	19.83	21.00
10	64QAM	25	25	19.78	19.76	19.88	21.00
10	64QAM	50	0	20.02	19.94	19.94	21.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	22.94	23.00	22.93	24.00
5	QPSK	1	12	22.88	22.90	22.83	24.00
5	QPSK	1	24	22.78	22.97	22.79	24.00
5	QPSK	12	0	21.94	22.03	21.92	23.00
5	QPSK	12	7	21.95	21.91	21.90	23.00
5	QPSK	12	13	21.89	21.89	21.87	23.00
5	QPSK	25	0	21.96	21.99	21.90	23.00
5	16QAM	1	0	22.07	22.03	21.89	23.00
5	16QAM	1	12	21.74	21.94	21.90	23.00
5	16QAM	1	24	21.89	21.92	21.76	23.00
5	16QAM	12	0	20.87	20.92	21.04	22.00
5	16QAM	12	7	20.91	20.85	21.00	22.00
5	16QAM	12	13	20.81	20.80	20.88	22.00
5	16QAM	25	0	21.02	20.89	20.90	22.00
5	64QAM	1	0	21.07	21.00	20.91	22.00
5	64QAM	1	12	20.88	20.98	21.01	22.00
5	64QAM	1	24	20.84	20.87	20.87	22.00
5	64QAM	12	0	19.90	19.98	20.03	21.00
5	64QAM	12	7	19.80	19.85	19.82	21.00
5	64QAM	12	13	19.82	19.86	19.89	21.00
5	64QAM	25	0	20.05	19.92	19.93	21.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 3_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				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.01	23.08	22.98	24.00
20	QPSK	1	49	22.91	23.00	22.95	24.00
20	QPSK	1	99	22.89	23.02	22.88	24.00
20	QPSK	50	0	22.02	22.09	22.02	23.00
20	QPSK	50	24	21.97	21.97	22.01	23.00
20	QPSK	50	50	21.93	21.95	22.00	23.00
20	QPSK	100	0	22.02	22.07	22.01	23.00
20	16QAM	1	0	22.10	22.06	21.99	23.00
20	16QAM	1	49	21.83	21.98	22.03	23.00
20	16QAM	1	99	21.92	21.97	21.86	23.00
20	16QAM	50	0	20.99	21.04	21.09	22.00
20	16QAM	50	24	20.96	20.93	21.07	22.00
20	16QAM	50	50	20.93	20.89	20.92	22.00
20	16QAM	100	0	21.04	21.02	21.02	22.00
20	64QAM	1	0	21.15	21.05	21.02	22.00
20	64QAM	1	49	20.90	21.01	21.08	22.00
20	64QAM	1	99	20.95	20.91	20.92	22.00
20	64QAM	50	0	20.03	20.04	20.12	21.00
20	64QAM	50	24	19.84	19.96	19.94	21.00
20	64QAM	50	50	19.87	19.90	19.97	21.00
20	64QAM	100	0	20.07	19.97	20.02	21.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	22.96	23.05	22.90	24.00
15	QPSK	1	37	22.89	22.91	22.84	24.00
15	QPSK	1	74	22.83	22.94	22.78	24.00
15	QPSK	36	0	21.88	21.96	22.00	23.00
15	QPSK	36	20	21.85	21.93	21.91	23.00
15	QPSK	36	39	21.83	21.83	21.94	23.00
15	QPSK	75	0	21.93	21.96	21.95	23.00
15	16QAM	1	0	22.08	21.97	21.90	23.00
15	16QAM	1	37	21.71	21.86	21.95	23.00
15	16QAM	1	74	21.83	21.88	21.81	23.00
15	16QAM	36	0	20.87	20.99	21.00	22.00



15	16QAM	36	20	20.90	20.81	20.97	22.00
15	16QAM	36	39	20.80	20.84	20.82	22.00
15	16QAM	75	0	21.00	20.98	20.92	22.00
15	64QAM	1	0	21.04	20.99	20.88	22.00
15	64QAM	1	37	20.85	20.94	20.95	22.00
15	64QAM	1	74	20.86	20.89	20.87	22.00
15	64QAM	36	0	19.92	19.98	20.00	21.00
15	64QAM	36	20	19.78	19.82	19.92	21.00
15	64QAM	36	39	19.80	19.80	19.91	21.00
15	64QAM	75	0	19.93	19.94	19.92	21.00
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	22.95	22.97	22.93	24.00
10	QPSK	1	25	22.85	22.87	22.81	24.00
10	QPSK	1	49	22.81	22.97	22.74	24.00
10	QPSK	25	0	21.95	22.06	21.97	23.00
10	QPSK	25	12	21.83	21.88	21.96	23.00
10	QPSK	25	25	21.81	21.91	21.94	23.00
10	QPSK	50	0	21.97	22.04	21.94	23.00
10	16QAM	1	0	22.02	22.00	21.89	23.00
10	16QAM	1	25	21.75	21.94	22.00	23.00
10	16QAM	1	49	21.85	21.94	21.75	23.00
10	16QAM	25	0	20.87	20.90	20.97	22.00
10	16QAM	25	12	20.91	20.90	20.98	22.00
10	16QAM	25	25	20.84	20.78	20.82	22.00
10	16QAM	50	0	20.94	20.88	20.89	22.00
10	64QAM	1	0	21.03	20.99	20.99	22.00
10	64QAM	1	25	20.82	20.93	20.95	22.00
10	64QAM	1	49	20.86	20.88	20.86	22.00
10	64QAM	25	0	19.96	19.91	20.09	21.00
10	64QAM	25	12	19.81	19.92	19.83	21.00
10	64QAM	25	25	19.78	19.76	19.88	21.00
10	64QAM	50	0	20.02	19.94	19.94	21.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	22.94	23.00	22.93	24.00
5	QPSK	1	12	22.88	22.90	22.83	24.00
5	QPSK	1	24	22.78	22.97	22.79	24.00
5	QPSK	12	0	21.94	22.03	21.92	23.00
5	QPSK	12	7	21.95	21.91	21.90	23.00
5	QPSK	12	13	21.89	21.89	21.87	23.00
5	QPSK	25	0	21.96	21.99	21.90	23.00
5	16QAM	1	0	22.07	22.03	21.89	23.00
5	16QAM	1	12	21.74	21.94	21.90	23.00
5	16QAM	1	24	21.89	21.92	21.76	23.00
5	16QAM	12	0	20.87	20.92	21.04	22.00
5	16QAM	12	7	20.91	20.85	21.00	22.00
5	16QAM	12	13	20.81	20.80	20.88	22.00
5	16QAM	25	0	21.02	20.89	20.90	22.00
5	64QAM	1	0	21.07	21.00	20.91	22.00
5	64QAM	1	12	20.88	20.98	21.01	22.00
5	64QAM	1	24	20.84	20.87	20.87	22.00
5	64QAM	12	0	19.90	19.98	20.03	21.00
5	64QAM	12	7	19.80	19.85	19.82	21.00
5	64QAM	12	13	19.82	19.86	19.89	21.00
5	64QAM	25	0	20.05	19.92	19.93	21.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 3_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				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	18.08	18.20	18.01	19.00
20	QPSK	1	49	17.99	18.06	18.09	19.00
20	QPSK	1	99	18.02	18.11	17.99	19.00
20	QPSK	50	0	17.93	18.15	17.91	19.00
20	QPSK	50	24	17.90	18.14	17.87	19.00
20	QPSK	50	50	18.02	18.10	18.05	19.00
20	QPSK	100	0	17.99	18.00	17.94	19.00
20	16QAM	1	0	17.95	18.17	17.91	19.00



20	16QAM	1	49	18.03	18.19	18.01	19.00
20	16QAM	1	99	17.90	18.03	17.98	19.00
20	16QAM	50	0	17.98	18.17	17.97	19.00
20	16QAM	50	24	18.09	18.05	18.06	19.00
20	16QAM	50	50	18.04	18.11	17.88	19.00
20	16QAM	100	0	18.03	17.98	17.97	19.00
20	64QAM	1	0	18.11	18.02	17.97	19.00
20	64QAM	1	49	18.04	18.00	18.04	19.00
20	64QAM	1	99	17.95	18.10	17.98	19.00
20	64QAM	50	0	17.93	18.17	18.08	19.00
20	64QAM	50	24	18.10	18.06	17.95	19.00
20	64QAM	50	50	17.96	18.13	17.99	19.00
20	64QAM	100	0	17.94	18.04	18.04	19.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	18.04	17.99	17.80	19.00
15	QPSK	1	37	17.80	17.96	18.01	19.00
15	QPSK	1	74	17.93	18.11	18.01	19.00
15	QPSK	36	0	17.89	18.07	17.92	19.00
15	QPSK	36	20	17.86	18.10	17.85	19.00
15	QPSK	36	39	17.97	17.97	17.96	19.00
15	QPSK	75	0	17.85	17.92	17.81	19.00
15	16QAM	1	0	17.81	18.03	17.85	19.00
15	16QAM	1	37	17.89	18.12	17.86	19.00
15	16QAM	1	74	17.68	18.02	17.95	19.00
15	16QAM	36	0	17.94	18.09	17.88	19.00
15	16QAM	36	20	17.90	17.93	17.89	19.00
15	16QAM	36	39	17.99	18.05	17.66	19.00
15	16QAM	75	0	17.83	17.76	17.81	19.00
15	64QAM	1	0	18.10	18.01	17.89	19.00
15	64QAM	1	37	18.03	17.98	17.87	19.00
15	64QAM	1	74	17.90	17.90	17.94	19.00
15	64QAM	36	0	17.86	18.14	17.93	19.00
15	64QAM	36	20	17.92	17.91	17.95	19.00
15	64QAM	36	39	17.84	18.11	17.81	19.00
15	64QAM	75	0	17.86	17.84	17.86	19.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	17.91	17.92	17.80	19.00
10	QPSK	1	25	17.84	17.99	17.95	19.00
10	QPSK	1	49	17.92	17.90	17.82	19.00
10	QPSK	25	0	17.87	18.15	17.91	19.00
10	QPSK	25	12	17.70	18.14	17.82	19.00
10	QPSK	25	25	17.86	18.06	17.92	19.00
10	QPSK	50	0	17.81	17.99	17.88	19.00
10	16QAM	1	0	17.81	17.97	17.85	19.00
10	16QAM	1	25	17.84	18.18	17.84	19.00
10	16QAM	1	49	17.70	17.86	17.84	19.00
10	16QAM	25	0	18.00	18.15	17.82	19.00
10	16QAM	25	12	17.88	18.03	17.91	19.00
10	16QAM	25	25	17.85	17.98	17.79	19.00
10	16QAM	50	0	17.95	17.91	17.94	19.00
10	64QAM	1	0	18.10	17.96	17.84	19.00
10	64QAM	1	25	17.98	17.80	17.99	19.00
10	64QAM	1	49	17.95	18.00	17.91	19.00
10	64QAM	25	0	17.77	18.15	18.02	19.00
10	64QAM	25	12	18.05	17.96	17.77	19.00
10	64QAM	25	25	17.85	17.99	17.83	19.00
10	64QAM	50	0	17.87	17.91	17.99	19.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	17.96	17.91	17.82	19.00
5	QPSK	1	12	17.84	18.00	17.89	19.00
5	QPSK	1	24	17.85	18.11	17.86	19.00
5	QPSK	12	0	17.72	18.15	17.82	19.00
5	QPSK	12	7	17.90	18.14	17.85	19.00
5	QPSK	12	13	17.98	18.00	17.84	19.00
5	QPSK	25	0	17.93	17.93	17.91	19.00
5	16QAM	1	0	17.90	18.10	17.89	19.00
5	16QAM	1	12	17.91	18.07	17.79	19.00
5	16QAM	1	24	17.90	17.92	17.94	19.00
5	16QAM	12	0	17.86	18.09	17.88	19.00
5	16QAM	12	7	18.10	17.96	17.96	19.00
5	16QAM	12	13	18.05	17.99	17.79	19.00



5	16QAM	25	0	17.97	17.97	17.93	19.00
5	64QAM	1	0	17.99	17.89	17.92	19.00
5	64QAM	1	12	17.83	17.84	17.84	19.00
5	64QAM	1	24	17.84	18.02	17.86	19.00
5	64QAM	12	0	17.74	18.03	17.97	19.00
5	64QAM	12	7	18.09	18.03	17.79	19.00
5	64QAM	12	13	17.86	18.01	17.88	19.00
5	64QAM	25	0	17.76	18.02	18.04	19.00

<FR1 Conducted Power>

【FR1 n78 (96)_FCC_Part 96 (3550~3700MHz)_Ant 3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	21.17	21.19	21.08	22.00
100	PI/2 BPSK	1	137	21.06	21.17	21.12	22.00
100	PI/2 BPSK	1	271	21.16	21.10	21.00	22.00
100	PI/2 BPSK	135	0	20.59	20.61	20.53	21.50
100	PI/2 BPSK	135	69	21.00	21.10	21.10	22.00
100	PI/2 BPSK	135	138	20.58	20.67	20.53	21.50
100	PI/2 BPSK	270	0	20.58	20.71	20.60	21.50
100	QPSK	1	1	21.08	21.22	21.07	22.00
100	QPSK	1	137	20.99	21.20	21.18	22.00
100	QPSK	1	271	21.07	21.16	21.02	22.00
100	QPSK	135	0	20.05	20.19	20.07	21.00
100	QPSK	135	69	21.03	21.16	21.09	22.00
100	QPSK	135	138	20.07	20.17	20.03	21.00
100	QPSK	270	0	20.07	20.21	20.11	21.00
100	16QAM	1	1	20.07	20.16	20.14	21.00
100	64QAM	1	1	18.57	18.70	18.63	19.50
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	20.88	21.08	21.08	22.00
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	21.09	21.15	20.87	22.00
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	20.98	21.02	21.08	22.00
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	20.95	21.13	21.06	22.00
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	20.99	21.02	20.89	22.00
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.92	21.05	21.02	22.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.05	21.06	20.90	22.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.06	21.18	20.97	22.00



【FR1 n78 (96)_FCC_Part 96 (3550~3700MHz)_Ant 6_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	20.76	20.84	20.77	22.00
100	PI/2 BPSK	1	137	20.69	20.66	20.69	22.00
100	PI/2 BPSK	1	271	20.81	20.80	20.78	22.00
100	PI/2 BPSK	135	0	20.12	20.29	20.29	21.50
100	PI/2 BPSK	135	69	20.60	20.79	20.61	22.00
100	PI/2 BPSK	135	138	20.24	20.29	20.19	21.50
100	PI/2 BPSK	270	0	20.00	20.18	20.15	21.50
100	QPSK	1	1	20.85	20.89	20.79	22.00
100	QPSK	1	137	20.73	20.76	20.71	22.00
100	QPSK	1	271	20.71	20.72	20.59	22.00
100	QPSK	135	0	19.59	19.68	19.67	21.00
100	QPSK	135	69	20.60	20.73	20.61	22.00
100	QPSK	135	138	19.64	19.70	19.55	21.00
100	QPSK	270	0	19.55	19.60	19.58	21.00
100	16QAM	1	1	19.11	19.20	19.14	21.00
100	64QAM	1	1	17.69	17.87	17.75	19.50
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	20.81	20.80	20.80	22.00
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	20.73	20.84	20.76	22.00
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	20.68	20.83	20.80	22.00
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	20.75	20.73	20.76	22.00
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	20.80	20.71	20.60	22.00
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.70	20.82	20.82	22.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.79	20.81	20.73	22.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.70	20.78	20.69	22.00

【FR1 n78 (96)_FCC_Part 96 (3550~3700MHz)_Ant 7_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	20.22	20.38	20.39	22.00
100	PI/2 BPSK	1	137	20.38	20.31	20.38	22.00
100	PI/2 BPSK	1	271	20.40	20.50	20.22	22.00
100	PI/2 BPSK	135	0	20.35	20.43	20.23	22.00
100	PI/2 BPSK	135	69	20.32	20.38	20.24	22.00
100	PI/2 BPSK	135	138	20.37	20.54	20.26	22.00
100	PI/2 BPSK	270	0	20.25	20.44	20.19	22.00
100	QPSK	1	1	20.35	20.44	20.16	22.00
100	QPSK	1	137	20.36	20.37	20.30	22.00
100	QPSK	1	271	20.39	20.42	20.29	22.00
100	QPSK	135	0	20.33	20.38	20.21	22.00
100	QPSK	135	69	20.34	20.34	20.32	22.00
100	QPSK	135	138	20.27	20.36	20.24	22.00
100	QPSK	270	0	20.35	20.50	20.31	22.00
100	16QAM	1	1	20.27	20.48	20.35	22.00
100	64QAM	1	1	19.53	19.59	19.57	21.50
Channel				639668	641666	643666	Tune-up limit



				Frequency (MHz)	3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	20.21	20.34	20.26	22.00	
				Channel	639334	641666	644000	Tune-up limit (dBm)
				Frequency (MHz)	3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	20.26	20.52	20.37	22.00	
				Channel	639000	641666	644332	Tune-up limit (dBm)
				Frequency (MHz)	3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	20.18	20.39	20.21	22.00	
				Channel	638668	641666	644666	Tune-up limit (dBm)
				Frequency (MHz)	3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	20.19	20.4	20.29	22.00	
				Channel	638334	641666	645000	Tune-up limit (dBm)
				Frequency (MHz)	3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	20.19	20.52	20.39	22.00	
				Channel	638000	641666	645332	Tune-up limit (dBm)
				Frequency (MHz)	3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.19	20.53	20.22	22.00	
				Channel	637668	641666	645666	Tune-up limit (dBm)
				Frequency (MHz)	3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.26	20.37	20.28	22.00	
				Channel	637334	641666	646000	Tune-up limit (dBm)
				Frequency (MHz)	3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.2	20.51	20.37	22.00	

【FR1 n78 (96)_FCC_Part 96 (3550~3700MHz)_Ant 8_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	
				Channel	640000	641666	643332	
				Frequency (MHz)	3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	20.18	20.49	20.16	21.00	
100	PI/2 BPSK	1	137	20.27	20.39	20.29	21.00	
100	PI/2 BPSK	1	271	20.32	20.43	20.28	21.00	
100	PI/2 BPSK	135	0	19.87	19.89	19.85	20.50	
100	PI/2 BPSK	135	69	20.36	20.44	20.33	21.00	
100	PI/2 BPSK	135	138	19.77	19.93	19.90	20.50	
100	PI/2 BPSK	270	0	19.86	19.89	19.72	20.50	
100	QPSK	1	1	20.40	20.52	20.49	21.00	
100	QPSK	1	137	20.38	20.41	20.24	21.00	
100	QPSK	1	271	20.35	20.43	20.38	21.00	
100	QPSK	135	0	19.27	19.32	19.27	20.00	
100	QPSK	135	69	20.37	20.44	20.27	21.00	
100	QPSK	135	138	19.11	19.27	19.17	20.00	
100	QPSK	270	0	19.10	19.26	19.08	20.00	
100	16QAM	1	1	18.84	18.96	18.93	20.00	
100	64QAM	1	1	17.41	17.49	17.47	18.50	
				Channel	639668	641666	643666	Tune-up limit (dBm)
				Frequency (MHz)	3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	20.42	20.47	20.32	21.00	
				Channel	639334	641666	644000	Tune-up limit (dBm)
				Frequency (MHz)	3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	20.27	20.41	20.18	21.00	
				Channel	639000	641666	644332	Tune-up limit (dBm)
				Frequency (MHz)	3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	20.28	20.39	20.25	21.00	
				Channel	638668	641666	644666	Tune-up limit (dBm)
				Frequency (MHz)	3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	20.36	20.41	20.27	21.00	
				Channel	638334	641666	645000	Tune-up limit (dBm)
				Frequency (MHz)	3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	20.30	20.49	20.17	21.00	
				Channel	638000	641666	645332	Tune-up limit (dBm)
				Frequency (MHz)	3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.32	20.38	20.24	21.00	
				Channel	637668	641666	645666	Tune-up limit (dBm)
				Frequency (MHz)	3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.39	20.37	20.30	21.00	
				Channel	637334	641666	646000	Tune-up limit (dBm)
				Frequency (MHz)	3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.37	20.36	20.18	21.00	



【FR1 n78 (96)_FCC_Part 96 (3550~3700MHz)_Ant 3_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	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	21.17	21.09	21.08	22.00
100	PI/2 BPSK	1	137	21.06	21.17	21.12	22.00
100	PI/2 BPSK	1	271	21.16	21.10	21.00	22.00
100	PI/2 BPSK	135	0	20.59	20.61	20.53	21.50
100	PI/2 BPSK	135	69	21.00	21.10	21.10	22.00
100	PI/2 BPSK	135	138	20.58	20.67	20.53	21.50
100	PI/2 BPSK	270	0	20.58	20.71	20.60	21.50
100	QPSK	1	1	21.08	21.22	21.07	22.00
100	QPSK	1	137	20.99	21.20	21.18	22.00
100	QPSK	1	271	21.07	21.16	21.02	22.00
100	QPSK	135	0	20.05	20.19	20.07	21.00
100	QPSK	135	69	21.03	21.16	21.09	22.00
100	QPSK	135	138	20.07	20.17	20.03	21.00
100	QPSK	270	0	20.07	20.21	20.11	21.00
100	16QAM	1	1	20.07	20.16	20.14	21.00
100	64QAM	1	1	18.57	18.70	18.63	19.50
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	20.88	21.08	21.08	22.00
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	21.09	21.15	20.87	22.00
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	20.98	21.02	21.08	22.00
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	20.95	21.13	21.06	22.00
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	20.99	21.02	20.89	22.00
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.92	21.05	21.02	22.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.05	21.06	20.90	22.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.06	21.18	20.97	22.00

【FR1 n78 (96)_FCC_Part 96 (3550~3700MHz)_Ant 6_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	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	10.77	10.92	10.85	12.00
100	PI/2 BPSK	1	137	10.78	10.84	10.72	12.00
100	PI/2 BPSK	1	271	10.92	10.84	10.79	12.00
100	PI/2 BPSK	135	0	10.92	10.86	10.86	12.00
100	PI/2 BPSK	135	69	10.91	10.89	10.74	12.00
100	PI/2 BPSK	135	138	10.85	10.87	10.81	12.00
100	PI/2 BPSK	270	0	10.90	10.83	10.84	12.00
100	QPSK	1	1	10.84	10.94	10.78	12.00
100	QPSK	1	137	10.79	10.89	10.73	12.00
100	QPSK	1	271	10.84	10.93	10.87	12.00
100	QPSK	135	0	10.86	10.88	10.78	12.00
100	QPSK	135	69	10.86	10.89	10.74	12.00
100	QPSK	135	138	10.79	10.85	10.73	12.00
100	QPSK	270	0	10.81	10.88	10.78	12.00
100	16QAM	1	1	10.80	10.85	10.85	12.00
100	64QAM	1	1	10.80	10.90	10.83	12.00
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	



90	PI/2 BPSK	1	1	10.72	10.77	10.73	12.00
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	10.75	10.83	10.74	12.00
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	10.67	10.75	10.69	12.00
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	10.70	10.78	10.63	12.00
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	10.78	10.70	10.71	12.00
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	10.70	10.71	10.66	12.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	10.76	10.78	10.76	12.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	10.77	10.69	10.72	12.00

【FR1 n78 (96)_FCC_Part 96 (3550~3700MHz)_Ant 7_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	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	8.00	8.05	7.99	9.50
100	PI/2 BPSK	1	137	7.89	8.04	7.98	9.50
100	PI/2 BPSK	1	271	7.98	8.02	7.97	9.50
100	PI/2 BPSK	135	0	7.95	7.98	7.95	9.50
100	PI/2 BPSK	135	69	8.04	7.99	7.84	9.50
100	PI/2 BPSK	135	138	7.92	7.97	7.97	9.50
100	PI/2 BPSK	270	0	8.00	7.98	7.91	9.50
100	QPSK	1	1	8.02	8.05	7.93	9.50
100	QPSK	1	137	7.93	8.02	7.87	9.50
100	QPSK	1	271	7.96	8.02	7.92	9.50
100	QPSK	135	0	7.92	7.94	7.96	9.50
100	QPSK	135	69	7.92	8.03	7.86	9.50
100	QPSK	135	138	7.95	8.00	8.00	9.50
100	QPSK	270	0	7.95	8.01	7.84	9.50
100	16QAM	1	1	7.99	8.01	7.98	9.50
100	64QAM	1	1	7.92	7.95	7.85	9.50
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	8.02	7.91	7.88	9.50
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	7.92	8.00	7.94	9.50
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	7.95	7.96	7.96	9.50
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	7.93	8.01	7.90	9.50
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	7.97	7.93	7.86	9.50
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	7.93	8.03	7.96	9.50
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	7.95	8.01	7.91	9.50
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	7.99	7.93	7.88	9.50



【FR1 n78 (96)_FCC_Part 96 (3550~3700MHz)_Ant 8_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	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	20.18	20.29	20.16	21.00
100	PI/2 BPSK	1	137	20.27	20.39	20.29	21.00
100	PI/2 BPSK	1	271	20.32	20.43	20.28	21.00
100	PI/2 BPSK	135	0	19.87	19.89	19.85	20.50
100	PI/2 BPSK	135	69	20.36	20.44	20.33	21.00
100	PI/2 BPSK	135	138	19.77	19.93	19.90	20.50
100	PI/2 BPSK	270	0	19.86	19.89	19.72	20.50
100	QPSK	1	1	20.40	20.52	20.49	21.00
100	QPSK	1	137	20.38	20.41	20.24	21.00
100	QPSK	1	271	20.35	20.43	20.38	21.00
100	QPSK	135	0	19.27	19.32	19.27	20.00
100	QPSK	135	69	20.37	20.44	20.27	21.00
100	QPSK	135	138	19.11	19.27	19.17	20.00
100	QPSK	270	0	19.10	19.26	19.08	20.00
100	16QAM	1	1	18.84	18.96	18.93	20.00
100	64QAM	1	1	17.41	17.49	17.47	18.50
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	20.42	20.47	20.32	21.00
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	20.27	20.41	20.18	21.00
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	20.28	20.39	20.25	21.00
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	20.36	20.41	20.27	21.00
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	20.30	20.49	20.17	21.00
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.32	20.38	20.24	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.39	20.37	20.30	21.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.37	20.36	20.18	21.00



【FR1 n78 (96)_FCC_Part 96 (3550~3700MHz)_Ant 3_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	16.26	16.43	16.23	17.00
100	PI/2 BPSK	1	137	16.43	16.31	16.39	17.00
100	PI/2 BPSK	1	271	16.25	16.24	16.27	17.00
100	PI/2 BPSK	135	0	16.25	16.34	16.48	17.00
100	PI/2 BPSK	135	69	16.20	16.37	16.25	17.00
100	PI/2 BPSK	135	138	16.31	16.34	16.27	17.00
100	PI/2 BPSK	270	0	16.22	16.25	16.31	17.00
100	QPSK	1	1	16.40	16.49	16.31	17.00
100	QPSK	1	137	16.41	16.39	16.46	17.00
100	QPSK	1	271	16.24	16.32	16.45	17.00
100	QPSK	135	0	16.39	16.38	16.26	17.00
100	QPSK	135	69	16.26	16.45	16.40	17.00
100	QPSK	135	138	16.42	16.28	16.26	17.00
100	QPSK	270	0	16.25	16.30	16.29	17.00
100	16QAM	1	1	16.38	16.32	16.42	17.00
100	64QAM	1	1	16.19	16.28	16.24	17.00
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	16.26	16.34	16.35	17.00
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	16.22	16.23	16.35	17.00
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	16.39	16.31	16.22	17.00
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	16.19	16.34	16.40	17.00
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	16.23	16.22	16.34	17.00
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	16.26	16.32	16.23	17.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	16.40	16.33	16.28	17.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	16.35	16.31	16.29	17.00

【FR1 n78 (96)_FCC_Part 96 (3550~3700MHz)_Ant 6_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	20.76	20.74	20.77	22.00
100	PI/2 BPSK	1	137	20.69	20.66	20.69	22.00
100	PI/2 BPSK	1	271	20.81	20.80	20.78	22.00
100	PI/2 BPSK	135	0	20.12	20.29	20.29	21.50
100	PI/2 BPSK	135	69	20.60	20.79	20.61	22.00
100	PI/2 BPSK	135	138	20.24	20.29	20.19	21.50
100	PI/2 BPSK	270	0	20.00	20.18	20.15	21.50
100	QPSK	1	1	20.85	20.89	20.79	22.00
100	QPSK	1	137	20.73	20.76	20.71	22.00
100	QPSK	1	271	20.71	20.72	20.59	22.00
100	QPSK	135	0	19.59	19.68	19.67	21.00
100	QPSK	135	69	20.60	20.73	20.61	22.00
100	QPSK	135	138	19.64	19.70	19.55	21.00
100	QPSK	270	0	19.55	19.60	19.58	21.00
100	16QAM	1	1	19.11	19.20	19.14	21.00
100	64QAM	1	1	17.69	17.87	17.75	19.50
Channel				639668	641666	643666	Tune-up limit



				Frequency (MHz)	3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	20.81	20.80	20.80	22.00	
				Channel	639334	641666	644000	Tune-up limit (dBm)
				Frequency (MHz)	3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	20.73	20.84	20.76	22.00	
				Channel	639000	641666	644332	Tune-up limit (dBm)
				Frequency (MHz)	3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	20.68	20.83	20.80	22.00	
				Channel	638668	641666	644666	Tune-up limit (dBm)
				Frequency (MHz)	3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	20.75	20.73	20.76	22.00	
				Channel	638334	641666	645000	Tune-up limit (dBm)
				Frequency (MHz)	3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	20.80	20.71	20.60	22.00	
				Channel	638000	641666	645332	Tune-up limit (dBm)
				Frequency (MHz)	3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.70	20.82	20.82	22.00	
				Channel	637668	641666	645666	Tune-up limit (dBm)
				Frequency (MHz)	3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.79	20.81	20.73	22.00	
				Channel	637334	641666	646000	Tune-up limit (dBm)
				Frequency (MHz)	3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.70	20.78	20.69	22.00	

【FR1 n78 (96)_FCC_Part 96 (3550~3700MHz)_Ant 7_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	20.22	20.38	20.39	22.00	
100	PI/2 BPSK	1	137	20.38	20.31	20.38	22.00	
100	PI/2 BPSK	1	271	20.40	20.50	20.22	22.00	
100	PI/2 BPSK	135	0	20.35	20.43	20.23	22.00	
100	PI/2 BPSK	135	69	20.32	20.38	20.24	22.00	
100	PI/2 BPSK	135	138	20.37	20.54	20.26	22.00	
100	PI/2 BPSK	270	0	20.25	20.44	20.19	22.00	
100	QPSK	1	1	20.35	20.44	20.16	22.00	
100	QPSK	1	137	20.36	20.37	20.30	22.00	
100	QPSK	1	271	20.39	20.42	20.29	22.00	
100	QPSK	135	0	20.33	20.38	20.21	22.00	
100	QPSK	135	69	20.34	20.34	20.32	22.00	
100	QPSK	135	138	20.27	20.36	20.24	22.00	
100	QPSK	270	0	20.35	20.50	20.31	22.00	
100	16QAM	1	1	20.27	20.48	20.35	22.00	
100	64QAM	1	1	19.53	19.59	19.57	21.50	
				Channel	639668	641666	643666	Tune-up limit (dBm)
				Frequency (MHz)	3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	20.21	20.34	20.26	22.00	
				Channel	639334	641666	644000	Tune-up limit (dBm)
				Frequency (MHz)	3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	20.26	20.52	20.37	22.00	
				Channel	639000	641666	644332	Tune-up limit (dBm)
				Frequency (MHz)	3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	20.18	20.39	20.21	22.00	
				Channel	638668	641666	644666	Tune-up limit (dBm)
				Frequency (MHz)	3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	20.19	20.4	20.29	22.00	
				Channel	638334	641666	645000	Tune-up limit (dBm)
				Frequency (MHz)	3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	20.19	20.52	20.39	22.00	
				Channel	638000	641666	645332	Tune-up limit (dBm)
				Frequency (MHz)	3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.19	20.53	20.22	22.00	
				Channel	637668	641666	645666	Tune-up limit (dBm)
				Frequency (MHz)	3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.26	20.37	20.28	22.00	
				Channel	637334	641666	646000	Tune-up limit (dBm)
				Frequency (MHz)	3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.2	20.51	20.37	22.00	



【FR1 n78 (96)___FCC_Part 96 (3550~3700MHz)_Ant 8_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	13.27	13.35	13.33	14.00
100	PI/2 BPSK	1	137	13.35	13.31	13.27	14.00
100	PI/2 BPSK	1	271	13.25	13.34	13.26	14.00
100	PI/2 BPSK	135	0	13.36	13.28	13.37	14.00
100	PI/2 BPSK	135	69	13.31	13.39	13.39	14.00
100	PI/2 BPSK	135	138	13.28	13.37	13.33	14.00
100	PI/2 BPSK	270	0	13.31	13.38	13.40	14.00
100	QPSK	1	1	13.26	13.41	13.39	14.00
100	QPSK	1	137	13.26	13.37	13.40	14.00
100	QPSK	1	271	13.32	13.37	13.35	14.00
100	QPSK	135	0	13.26	13.30	13.29	14.00
100	QPSK	135	69	13.29	13.40	13.36	14.00
100	QPSK	135	138	13.29	13.37	13.36	14.00
100	QPSK	270	0	13.32	13.39	13.32	14.00
100	16QAM	1	1	13.22	13.38	13.35	14.00
100	64QAM	1	1	13.24	13.35	13.34	14.00
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	13.39	13.31	13.39	14.00
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	13.36	13.25	13.34	14.00
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	13.34	13.39	13.35	14.00
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	13.36	13.33	13.36	14.00
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	13.34	13.40	13.32	14.00
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	13.39	13.33	13.40	14.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	13.35	13.38	13.29	14.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	13.31	13.40	13.25	14.00

<FR1 n78 (27Q) Ant 3 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					633332		Tune-up Limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21		22.00
100		1	137		21.17		22.00
100		1	271		21.08		22.00
100		135	0		21.14		22.00
100		135	69		21.15		22.00
100		135	138		21.08		22.00
100		270	0		21.1		22.00
100		1	1		21.07		22.00
100		1	137		21.06		22.00
100		1	271		21.08		22.00
100	QPSK	135	0	21.03	22.00		
100		135	69	21.08	22.00		
100		135	138	21.01	22.00		
100		270	0	21.1	22.00		
100		16QAM	1	1	21.15	22.00	
100		64QAM	1	1	20.45	21.50	
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.1	21.07	21.15	22.00
Channel				632668	633332	634000	Tune-up



Frequency (MHz)				3490.02	3499.98	3510	Limit (dBm)
80	PI/2 BPSK	1	1	21.14	21.02	21.13	22.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.98	21.1	21.17	22.00
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.1	21	21.09	22.00
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.04	21.04	21.17	22.00
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.96	21.06	21.09	22.00
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.95	21.16	21.01	22.00
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.05	21.16	20.99	22.00

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.69		22.00
100	PI/2 BPSK	1	137		20.55		22.00
100	PI/2 BPSK	1	271		20.65		22.00
100	PI/2 BPSK	135	0		20.24		21.50
100	PI/2 BPSK	135	69		20.56		22.00
100	PI/2 BPSK	135	138		20.23		21.50
100	PI/2 BPSK	270	0		20.17		21.50
100	QPSK	1	1		20.72		22.00
100	QPSK	1	137		20.52		22.00
100	QPSK	1	271		20.63		22.00
100	QPSK	135	0		19.71		21.00
100	QPSK	135	69		20.67		22.00
100	QPSK	135	138		19.67		21.00
100	QPSK	270	0		19.68		21.00
100	16QAM	1	1		19.34		21.00
100	64QAM	1	1		17.88		19.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.58	20.66	20.59	22.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.64	20.60	20.70	22.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.70	20.58	20.62	22.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.64	20.66	20.63	22.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.67	20.56	20.70	22.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.63	20.69	20.67	22.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.56	20.57	20.58	22.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.67	20.56	20.68	22.00



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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.35		22.00
100	PI/2 BPSK	1	137		20.1		22.00
100	PI/2 BPSK	1	271		20.44		22.00
100	PI/2 BPSK	135	0		20.23		22.00
100	PI/2 BPSK	135	69		20.18		22.00
100	PI/2 BPSK	135	138		20.48		22.00
100	PI/2 BPSK	270	0		20.23		22.00
100	QPSK	1	1		20.29		22.00
100	QPSK	1	137		20.3		22.00
100	QPSK	1	271		20.29		22.00
100	QPSK	135	0		20.21		22.00
100	QPSK	135	69		20.16		22.00
100	QPSK	135	138		20.18		22.00
100	QPSK	270	0		20.38		22.00
100	16QAM	1	1		20.29		22.00
100	64QAM	1	1		19.75		21.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.21	20.16	20.2	22.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.2	20.14	20.24	22.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20	20.27	20.09	22.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.13	20.19	20.19	22.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.22	20.3	20.12	22.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.14	20.26	20.27	22.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.99	20.16	20.13	22.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.17	20.22	20.14	22.00

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.30		21.00
100	PI/2 BPSK	1	137		19.91		21.00
100	PI/2 BPSK	1	271		20.24		21.00
100	PI/2 BPSK	135	0		19.52		20.50
100	PI/2 BPSK	135	69		20.28		21.00
100	PI/2 BPSK	135	138		19.74		20.50
100	PI/2 BPSK	270	0		19.55		20.50
100	QPSK	1	1		20.35		21.00
100	QPSK	1	137		19.98		21.00
100	QPSK	1	271		20.31		21.00
100	QPSK	135	0		19.06		20.00
100	QPSK	135	69		20.05		21.00
100	QPSK	135	138		19.22		20.00
100	QPSK	270	0		19.11		20.00
100	16QAM	1	1		18.60		20.00
100	64QAM	1	1		17.17		18.50
Channel				633000	633332	633666	Tune-up limit



		Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.23	20.28	20.26	21.00	
		Channel			632668	633332	634000	Tune-up limit (dBm)
		Frequency (MHz)			3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.27	20.21	20.23	21.00	
		Channel			632334	633332	634332	Tune-up limit (dBm)
		Frequency (MHz)			3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.28	20.18	20.25	21.00	
		Channel			632000	633332	634666	Tune-up limit (dBm)
		Frequency (MHz)			3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.22	20.19	20.32	21.00	
		Channel			631668	633332	635000	Tune-up limit (dBm)
		Frequency (MHz)			3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.28	20.25	20.28	21.00	
		Channel			631334	633332	635332	Tune-up limit (dBm)
		Frequency (MHz)			3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.20	20.21	20.23	21.00	
		Channel			631000	633332	635666	Tune-up limit (dBm)
		Frequency (MHz)			3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.17	20.17	20.26	21.00	
		Channel			630668	633332	636000	Tune-up limit (dBm)
		Frequency (MHz)			3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.30	20.32	20.24	21.00	

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_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)
					633332		
					3499.98		
100	PI/2 BPSK	1	1		10.72		12.00
100	PI/2 BPSK	1	137		10.70		12.00
100	PI/2 BPSK	1	271		10.72		12.00
100	PI/2 BPSK	135	0		10.66		12.00
100	PI/2 BPSK	135	69		10.79		12.00
100	PI/2 BPSK	135	138		10.74		12.00
100	PI/2 BPSK	270	0		10.67		12.00
100	QPSK	1	1		10.80		12.00
100	QPSK	1	137		10.75		12.00
100	QPSK	1	271		10.71		12.00
100	QPSK	135	0		10.66		12.00
100	QPSK	135	69		10.77		12.00
100	QPSK	135	138		10.70		12.00
100	QPSK	270	0		10.74		12.00
100	16QAM	1	1		10.78		12.00
100	64QAM	1	1		10.66		12.00
				633000	633332	633666	Tune-up limit (dBm)
				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	10.69	10.61	10.64	12.00
				632668	633332	634000	Tune-up limit (dBm)
				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.59	10.58	10.63	12.00
				632334	633332	634332	Tune-up limit (dBm)
				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.69	10.73	10.68	12.00
				632000	633332	634666	Tune-up limit (dBm)
				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.67	10.61	10.63	12.00
				631668	633332	635000	Tune-up limit (dBm)
				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.63	10.60	10.61	12.00
				631334	633332	635332	Tune-up limit (dBm)
				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.71	10.61	10.62	12.00
				631000	633332	635666	Tune-up limit (dBm)
				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.63	10.67	10.67	12.00
				630668	633332	636000	Tune-up limit (dBm)
				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.58	10.60	10.64	12.00



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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		7.77		9.50
100	PI/2 BPSK	1	137		7.72		9.50
100	PI/2 BPSK	1	271		7.73		9.50
100	PI/2 BPSK	135	0		7.71		9.50
100	PI/2 BPSK	135	69		7.75		9.50
100	PI/2 BPSK	135	138		7.66		9.50
100	PI/2 BPSK	270	0		7.76		9.50
100	QPSK	1	1		7.80		9.50
100	QPSK	1	137		7.79		9.50
100	QPSK	1	271		7.77		9.50
100	QPSK	135	0		7.68		9.50
100	QPSK	135	69		7.72		9.50
100	QPSK	135	138		7.69		9.50
100	QPSK	270	0		7.67		9.50
100	16QAM	1	1		7.76		9.50
100	64QAM	1	1		7.68		9.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	7.74	7.67	7.78	9.50
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	7.70	7.75	7.70	9.50
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	7.67	7.65	7.69	9.50
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	7.71	7.65	7.77	9.50
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	7.65	7.74	7.67	9.50
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	7.67	7.76	7.75	9.50
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	7.67	7.76	7.76	9.50
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	7.67	7.72	7.66	9.50

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant
3_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		16.27		17.00
100	PI/2 BPSK	1	137		16.21		17.00
100	PI/2 BPSK	1	271		16.17		17.00
100	PI/2 BPSK	135	0		16.20		17.00
100	PI/2 BPSK	135	69		16.25		17.00
100	PI/2 BPSK	135	138		16.22		17.00
100	PI/2 BPSK	270	0		16.19		17.00
100	QPSK	1	1		16.37		17.00
100	QPSK	1	137		16.19		17.00
100	QPSK	1	271		16.23		17.00
100	QPSK	135	0		16.22		17.00
100	QPSK	135	69		16.28		17.00
100	QPSK	135	138		16.25		17.00
100	QPSK	270	0		16.19		17.00
100	16QAM	1	1		16.19		17.00
100	64QAM	1	1		16.23		17.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	



90	PI/2 BPSK	1	1	16.06	16.21	16.14	17.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	16.05	16.22	16.22	17.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	16.12	16.26	16.16	17.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	16.11	16.28	16.11	17.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	16.06	16.20	16.16	17.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	16.10	16.29	16.13	17.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	16.04	16.28	16.14	17.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	16.10	16.23	16.20	17.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant
6_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		20.64		22.00
100	PI/2 BPSK	1	137		20.55		22.00
100	PI/2 BPSK	1	271		20.69		22.00
100	PI/2 BPSK	135	0		20.24		21.50
100	PI/2 BPSK	135	69		20.56		22.00
100	PI/2 BPSK	135	138		20.23		21.50
100	PI/2 BPSK	270	0		20.17		21.50
100	QPSK	1	1		20.72		22.00
100	QPSK	1	137		20.52		22.00
100	QPSK	1	271		20.63		22.00
100	QPSK	135	0		19.71		21.00
100	QPSK	135	69		20.67		22.00
100	QPSK	135	138		19.67		21.00
100	QPSK	270	0		19.68		21.00
100	16QAM	1	1		19.34		21.00
100	64QAM	1	1		17.88		19.50
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.58	20.66	20.59	22.00
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.64	20.60	20.70	22.00
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.70	20.58	20.62	22.00
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.64	20.66	20.63	22.00
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.67	20.56	20.70	22.00
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.63	20.69	20.67	22.00
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.56	20.57	20.58	22.00
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.67	20.56	20.68	22.00



【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant
7_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		20.35		22.00
100	PI/2 BPSK	1	137		20.1		22.00
100	PI/2 BPSK	1	271		20.44		22.00
100	PI/2 BPSK	135	0		20.23		22.00
100	PI/2 BPSK	135	69		20.18		22.00
100	PI/2 BPSK	135	138		20.48		22.00
100	PI/2 BPSK	270	0		20.23		22.00
100	QPSK	1	1		20.29		22.00
100	QPSK	1	137		20.3		22.00
100	QPSK	1	271		20.29		22.00
100	QPSK	135	0		20.21		22.00
100	QPSK	135	69		20.16		22.00
100	QPSK	135	138		20.18		22.00
100	QPSK	270	0		20.38		22.00
100	16QAM	1	1		20.29		22.00
100	64QAM	1	1		19.75		21.50
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.21	20.16	20.2	22.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.2	20.14	20.24	22.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20	20.27	20.09	22.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.13	20.19	20.19	22.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.22	20.3	20.12	22.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.14	20.26	20.27	22.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.99	20.16	20.13	22.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.17	20.22	20.14	22.00

【FR1 n78 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant
8_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		13.41		14.00
100	PI/2 BPSK	1	137		13.39		14.00
100	PI/2 BPSK	1	271		13.35		14.00
100	PI/2 BPSK	135	0		13.32		14.00
100	PI/2 BPSK	135	69		13.40		14.00
100	PI/2 BPSK	135	138		13.37		14.00
100	PI/2 BPSK	270	0		13.25		14.00
100	QPSK	1	1		13.42		14.00
100	QPSK	1	137		13.40		14.00
100	QPSK	1	271		13.41		14.00
100	QPSK	135	0		13.25		14.00
100	QPSK	135	69		13.41		14.00
100	QPSK	135	138		13.31		14.00
100	QPSK	270	0		13.32		14.00
100	16QAM	1	1		13.26		14.00
100	64QAM	1	1		13.30		14.00
Channel				633000	633332	633666	Tune-up limit



		Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1		13.38	13.26	13.37	14.00
		Channel			632668	633332	634000	Tune-up limit (dBm)
		Frequency (MHz)			3490.02	3499.98	3510	
80	PI/2 BPSK	1	1		13.29	13.33	13.24	14.00
		Channel			632334	633332	634332	Tune-up limit (dBm)
		Frequency (MHz)			3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1		13.26	13.24	13.23	14.00
		Channel			632000	633332	634666	Tune-up limit (dBm)
		Frequency (MHz)			3480	3499.98	3519.99	
60	PI/2 BPSK	1	1		13.33	13.28	13.32	14.00
		Channel			631668	633332	635000	Tune-up limit (dBm)
		Frequency (MHz)			3475.02	3499.98	3525	
50	PI/2 BPSK	1	1		13.24	13.26	13.39	14.00
		Channel			631334	633332	635332	Tune-up limit (dBm)
		Frequency (MHz)			3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1		13.32	13.34	13.24	14.00
		Channel			631000	633332	635666	Tune-up limit (dBm)
		Frequency (MHz)			3465	3499.98	3534.99	
30	PI/2 BPSK	1	1		13.24	13.37	13.36	14.00
		Channel			630668	633332	636000	Tune-up limit (dBm)
		Frequency (MHz)			3460.02	3499.98	3540	
20	PI/2 BPSK	1	1		13.28	13.34	13.39	14.00



<Bluetooth Conducted Power>

【Bluetooth】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	12.03	13.00	76.75
	39	2441	12.20	13.00	
	78	2480	11.90	13.00	
BR / EDR 2Mbps	0	2402	8.90	10.00	100.00
	39	2441	8.71	10.00	
	78	2480	9.16	10.00	
BR / EDR 3Mbps	0	2402	8.85	10.00	100.00
	39	2441	8.71	10.00	
	78	2480	9.11	10.00	
LE 1Mbps	0	2402	-2.51	-1.00	100.00
	19	2440	-1.54	-1.00	
	39	2480	-2.28	-1.00	
LE 2Mbps	0	2402	-2.17	-1.00	100.00
	19	2440	-2.26	-1.00	
	39	2480	-1.91	-1.00	

<WLAN Conducted Power>

<2.4GHz WLAN_Full power>

Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	20.15	21.00	100.00
	3	2422	17.40	18.50	100.00
	4	2427	15.00	16.00	100.00
	5	2432	14.20	15.50	100.00
	6	2437	13.60	14.50	100.00
	7	2442	13.60	14.50	100.00
	8	2447	15.60	16.50	100.00
	11	2462	17.40	18.50	100.00
802.11g 6Mbps	1	2412	17.80	18.50	97.46
	6	2437	18.19	19.00	97.46
	11	2462	15.50	16.50	97.46
802.11n-HT20 MCS0	1	2412	17.23	18.00	97.30
	6	2437	17.11	18.00	97.30
	11	2462	14.90	16.00	97.30
802.11n-HT40 MCS0	3	2422	15.20	16.00	95.12
	6	2437	16.20	17.00	95.12
	9	2452	13.70	14.50	95.12

【2.4GHz WLAN_Sensor on】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	12.14	13.00	100.00
	6	2437	12.20	13.00	
	11	2462	11.86	13.00	
802.11g 6Mbps	1	2412	Not Required	13.00	Not Required
	6	2437		13.00	
	11	2462		13.00	
802.11n-HT20 MCS0	1	2412		13.00	
	6	2437		13.00	
	11	2462		13.00	
802.11n-HT40 MCS0	3	2422		13.00	
	6	2437		13.00	
	9	2452		13.00	



【5.2GHz WLAN_Full power】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	15.66	16.50	97.47
	40	5200	15.55	16.50	
	44	5220	15.56	16.50	
	48	5240	15.61	16.50	
802.11n-HT20 MCS0	36	5180	15.38	16.50	97.30
	40	5200	15.38	16.50	
	44	5220	15.42	16.50	
802.11n-HT40 MCS0	38	5190	13.46	14.50	94.74
	46	5230	15.45	16.50	
802.11ac-VHT20 MCS0	36	5180	15.35	16.50	97.32
	40	5200	15.38	16.50	
	44	5220	15.40	16.50	
	48	5240	15.38	16.50	
802.11ac-VHT40 MCS0	38	5190	13.39	14.50	94.93
	46	5230	15.43	16.50	
802.11ac-VHT80 MCS0	42	5210	11.74	13.00	89.66

【5.2GHz WLAN_Sensor on】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	6.00	Not Required
	40	5200		6.00	
	44	5220		6.00	
	48	5240		6.00	
802.11n-HT20 MCS0	36	5180		6.00	
	40	5200		6.00	
	44	5220		6.00	
802.11n-HT40 MCS0	38	5190		6.00	
	46	5230		6.00	
802.11ac-VHT20 MCS0	36	5180		6.00	
	40	5200		6.00	
	44	5220		6.00	
	48	5240		6.00	
802.11ac-VHT40 MCS0	38	5190		6.00	
	46	5230		6.00	
802.11ac-VHT80 MCS0	42	5210		5.14	

【5.3GHz WLAN_Full power】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	15.58	16.50	97.47
	56	5280	15.56	16.50	
	60	5300	15.56	16.50	
	64	5320	15.63	16.50	
802.11n-HT20 MCS0	52	5260	15.46	16.50	97.30
	56	5280	15.45	16.50	
	60	5300	15.50	16.50	
	64	5320	15.53	16.50	
802.11n-HT40 MCS0	54	5270	15.41	16.50	94.74
	62	5310	12.44	13.50	
802.11ac-VHT20 MCS0	52	5260	15.39	16.50	97.32
	56	5280	15.43	16.50	
	60	5300	15.45	16.50	
	64	5320	15.41	16.50	
802.11ac-VHT40 MCS0	54	5270	15.45	16.50	94.93
	62	5310	12.30	13.50	
802.11ac-VHT80 MCS0	58	5290	10.70	12.00	89.66



【5.3GHz WLAN_Sensor on】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	6.00	Not Required
	56	5280		6.00	
	60	5300		6.00	
	64	5320		6.00	
802.11n-HT20 MCS0	52	5260		6.00	
	56	5280		6.00	
	60	5300		6.00	
	64	5320		6.00	
802.11n-HT40 MCS0	54	5270		6.00	
	62	5310		6.00	
802.11ac-VHT20 MCS0	52	5260		6.00	
	56	5280		6.00	
	60	5300		6.00	
	64	5320		6.00	
802.11ac-VHT40 MCS0	54	5270		6.00	
	62	5310		6.00	
802.11ac-VHT80 MCS0	58	5290	5.21	6.00	89.66

<5.5GHz WLAN_Full power>

Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	15.99	16.50	97.47
	116	5580	15.69	16.50	97.47
	124	5620	15.80	16.50	97.47
	132	5660	15.81	16.50	97.47
	140	5700	14.16	15.00	97.47
	144	5720	15.84	16.50	97.47
802.11n-HT20 MCS0	100	5500	15.56	16.50	97.30
	116	5580	15.60	16.50	97.30
	124	5620	15.55	16.50	97.30
	132	5660	15.60	16.50	97.30
	140	5700	14.28	15.00	97.30
	144	5720	15.74	16.50	97.30
802.11n-HT40 MCS0	102	5510	12.66	13.50	94.74
	110	5550	15.68	16.50	94.74
	126	5630	15.64	16.50	94.74
	134	5670	12.69	13.50	94.74
	142	5710	15.77	16.50	94.74
802.11ac-VHT20 MCS0	100	5500	15.03	16.50	97.32
	116	5580	15.55	16.50	97.32
	124	5620	15.64	16.50	97.32
	132	5660	15.73	16.50	97.32
	140	5700	14.14	15.00	97.32
	144	5720	15.71	16.50	97.32
802.11ac-VHT40 MCS0	102	5510	12.50	13.50	94.93
	110	5550	15.65	16.50	94.93
	126	5630	15.69	16.50	94.93
	134	5670	12.57	13.50	94.93
	142	5710	15.75	16.50	94.93
802.11ac-VHT80 MCS0	106	5530	12.41	13.50	89.66
	122	5610	15.53	16.50	89.66
	138	5690	15.64	16.50	89.66

<5.5GHz WLAN_Sensor on>

Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	5.50	Not Required
	116	5580	Not Required	5.50	Not Required
	124	5620	Not Required	5.50	Not Required
	132	5660	Not Required	5.50	Not Required
	140	5700	Not Required	5.50	Not Required
	144	5720	Not Required	5.50	Not Required
802.11n-HT20 MCS0	100	5500	Not Required	5.50	Not Required
	116	5580	Not Required	5.50	Not Required



	124	5620	Not Required	5.50	Not Required
	132	5660	Not Required	5.50	Not Required
	140	5700	Not Required	5.50	Not Required
	144	5720	Not Required	5.50	Not Required
802.11n-HT40 MCS0	102	5510	Not Required	5.50	Not Required
	110	5550	Not Required	5.50	Not Required
	126	5630	Not Required	5.50	Not Required
	134	5670	Not Required	5.50	Not Required
	142	5710	Not Required	5.50	Not Required
802.11ac-VHT20 MCS0	100	5500	Not Required	5.50	Not Required
	116	5580	Not Required	5.50	Not Required
	124	5620	Not Required	5.50	Not Required
	132	5660	Not Required	5.50	Not Required
	140	5700	Not Required	5.50	Not Required
	144	5720	Not Required	5.50	Not Required
802.11ac-VHT40 MCS0	102	5510	Not Required	5.50	Not Required
	110	5550	Not Required	5.50	Not Required
	126	5630	Not Required	5.50	Not Required
	134	5670	Not Required	5.50	Not Required
	142	5710	Not Required	5.50	Not Required
802.11ac-VHT80 MCS0	106	5530	4.41	5.50	89.66
	122	5610	4.54	5.50	89.66
	138	5690	4.66	5.50	89.66

【5.8GHz WLAN_Full power】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	15.40	16.50	97.47
	157	5785	15.43	16.50	
	165	5825	15.43	16.50	
802.11n-HT20 MCS0	149	5745	15.22	16.50	97.30
	157	5785	15.25	16.50	
	165	5825	15.30	16.50	
802.11n-HT40 MCS0	151	5755	15.31	16.50	94.74
	159	5795	15.35	16.50	
802.11ac-VHT20 MCS0	149	5745	15.21	16.50	97.32
	157	5785	15.24	16.50	
	165	5825	15.27	16.50	
802.11ac-VHT40 MCS0	151	5755	15.28	16.50	94.93
	159	5795	15.30	16.50	
802.11ac-VHT80 MCS0	155	5775	15.18	16.50	89.66

【5.8GHz WLAN_Sensor on】

Mode	Channel	Frequency (MHz)	Ant 1				
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %		
802.11a 6Mbps	149	5745	Not Required	6.50	Not Required		
	157	5785		6.50			
	165	5825		6.50			
802.11n-HT20 MCS0	149	5745		6.50			
	157	5785		6.50			
	165	5825		6.50			
802.11n-HT40 MCS0	151	5755		6.50			
	159	5795		6.50			
802.11ac-VHT20 MCS0	149	5745		6.50			
	157	5785		6.50			
	165	5825		6.50			
802.11ac-VHT40 MCS0	151	5755		6.50			
	159	5795		6.50			
802.11ac-VHT80 MCS0	155	5775		5.49		6.50	89.66