



Appendix E. Output Power Measurement

<WCDMA Conducted Power>

【WCDMA II_Full Power】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	RMC 12.2Kbps	23.23	23.25	23.05	24.00
3GPP Rel 6	HSDPA Subtest-1	21.96	21.96	22.10	23.00
3GPP Rel 6	HSDPA Subtest-2	22.22	22.13	21.92	23.00
3GPP Rel 6	HSDPA Subtest-3	21.34	21.50	21.80	22.50
3GPP Rel 6	HSDPA Subtest-4	21.51	21.72	21.63	22.50
3GPP Rel 6	HSUPA Subtest-1	22.33	22.14	22.11	23.00
3GPP Rel 6	HSUPA Subtest-2	19.98	19.94	19.99	21.00
3GPP Rel 6	HSUPA Subtest-3	21.05	21.02	20.93	22.00
3GPP Rel 6	HSUPA Subtest-4	19.98	20.19	20.09	21.00
3GPP Rel 6	HSUPA Subtest-5	22.10	22.13	22.17	23.00

【WCDMA II_Sensor on】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	RMC 12.2Kbps	16.15	16.31	15.99	17.00
3GPP Rel 6	HSDPA Subtest-1	14.91	15.06	15.18	16.00
3GPP Rel 6	HSDPA Subtest-2	15.21	15.15	14.83	16.00
3GPP Rel 6	HSDPA Subtest-3	14.27	14.41	14.84	15.50
3GPP Rel 6	HSDPA Subtest-4	14.62	14.77	14.56	15.50
3GPP Rel 6	HSUPA Subtest-1	15.42	15.17	15.20	16.00
3GPP Rel 6	HSUPA Subtest-2	12.96	12.89	12.94	14.00
3GPP Rel 6	HSUPA Subtest-3	14.03	14.04	13.87	15.00
3GPP Rel 6	HSUPA Subtest-4	12.93	13.25	13.21	14.00
3GPP Rel 6	HSUPA Subtest-5	15.18	15.15	15.22	16.00

【WCDMA II_Hotspot on】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	RMC 12.2Kbps	16.15	16.31	15.99	17.00
3GPP Rel 6	HSDPA Subtest-1	14.91	15.06	15.18	16.00
3GPP Rel 6	HSDPA Subtest-2	15.21	15.15	14.83	16.00
3GPP Rel 6	HSDPA Subtest-3	14.27	14.41	14.84	15.50
3GPP Rel 6	HSDPA Subtest-4	14.62	14.77	14.56	15.50
3GPP Rel 6	HSUPA Subtest-1	15.42	15.17	15.20	16.00
3GPP Rel 6	HSUPA Subtest-2	12.96	12.89	12.94	14.00
3GPP Rel 6	HSUPA Subtest-3	14.03	14.04	13.87	15.00
3GPP Rel 6	HSUPA Subtest-4	12.93	13.25	13.21	14.00
3GPP Rel 6	HSUPA Subtest-5	15.18	15.15	15.22	16.00

【WCDMA II_Sensor off】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	RMC 12.2Kbps	23.23	23.25	23.05	24.00
3GPP Rel 6	HSDPA Subtest-1	21.96	21.96	22.10	23.00
3GPP Rel 6	HSDPA Subtest-2	22.22	22.13	21.92	23.00
3GPP Rel 6	HSDPA Subtest-3	21.34	21.50	21.80	22.50
3GPP Rel 6	HSDPA Subtest-4	21.51	21.72	21.63	22.50
3GPP Rel 6	HSUPA Subtest-1	22.33	22.14	22.11	23.00
3GPP Rel 6	HSUPA Subtest-2	19.98	19.94	19.99	21.00
3GPP Rel 6	HSUPA Subtest-3	21.05	21.02	20.93	22.00
3GPP Rel 6	HSUPA Subtest-4	19.98	20.19	20.09	21.00
3GPP Rel 6	HSUPA Subtest-5	22.10	22.13	22.17	23.00

**【WCDMA IV_Full Power】**

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	22.83	22.89	22.71	24.00
3GPP Rel 6	HSDPA Subtest-1	21.81	21.75	21.92	23.00
3GPP Rel 6	HSDPA Subtest-2	22.15	21.78	21.63	23.00
3GPP Rel 6	HSDPA Subtest-3	21.29	21.48	21.54	22.50
3GPP Rel 6	HSDPA Subtest-4	21.26	21.44	21.21	22.50
3GPP Rel 6	HSUPA Subtest-1	22.01	22.02	21.91	23.00
3GPP Rel 6	HSUPA Subtest-2	19.76	19.69	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	21.01	20.86	20.66	22.00
3GPP Rel 6	HSUPA Subtest-4	19.83	19.85	19.97	21.00
3GPP Rel 6	HSUPA Subtest-5	21.84	21.96	21.87	23.00

【WCDMA IV_Sensor on】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	21.38	21.44	21.35	22.50
3GPP Rel 6	HSDPA Subtest-1	20.36	20.32	20.40	21.50
3GPP Rel 6	HSDPA Subtest-2	20.63	20.22	20.22	21.50
3GPP Rel 6	HSDPA Subtest-3	19.70	19.96	20.09	21.00
3GPP Rel 6	HSDPA Subtest-4	19.71	19.86	19.75	21.00
3GPP Rel 6	HSUPA Subtest-1	20.42	20.41	20.37	21.50
3GPP Rel 6	HSUPA Subtest-2	18.28	18.21	18.34	19.50
3GPP Rel 6	HSUPA Subtest-3	19.51	19.37	19.14	20.50
3GPP Rel 6	HSUPA Subtest-4	18.44	18.28	18.43	19.50
3GPP Rel 6	HSUPA Subtest-5	20.22	20.40	20.45	21.50

【WCDMA IV_Hotspot on】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	21.38	21.44	21.35	22.50
3GPP Rel 6	HSDPA Subtest-1	20.36	20.32	20.40	21.50
3GPP Rel 6	HSDPA Subtest-2	20.63	20.22	20.22	21.50
3GPP Rel 6	HSDPA Subtest-3	19.70	19.96	20.09	21.00
3GPP Rel 6	HSDPA Subtest-4	19.71	19.86	19.75	21.00
3GPP Rel 6	HSUPA Subtest-1	20.42	20.41	20.37	21.50
3GPP Rel 6	HSUPA Subtest-2	18.28	18.21	18.34	19.50
3GPP Rel 6	HSUPA Subtest-3	19.51	19.37	19.14	20.50
3GPP Rel 6	HSUPA Subtest-4	18.44	18.28	18.43	19.50
3GPP Rel 6	HSUPA Subtest-5	20.22	20.40	20.45	21.50

【WCDMA IV_Sensor off】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	22.83	22.89	22.71	24.00
3GPP Rel 6	HSDPA Subtest-1	21.81	21.75	21.92	23.00
3GPP Rel 6	HSDPA Subtest-2	22.15	21.78	21.63	23.00
3GPP Rel 6	HSDPA Subtest-3	21.29	21.48	21.54	22.50
3GPP Rel 6	HSDPA Subtest-4	21.26	21.44	21.21	22.50
3GPP Rel 6	HSUPA Subtest-1	22.01	22.02	21.91	23.00
3GPP Rel 6	HSUPA Subtest-2	19.76	19.69	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	21.01	20.86	20.66	22.00
3GPP Rel 6	HSUPA Subtest-4	19.83	19.85	19.97	21.00
3GPP Rel 6	HSUPA Subtest-5	21.84	21.96	21.87	23.00



【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	23.13	23.23	23.22	24.00
3GPP Rel 6	HSDPA Subtest-1	22.13	21.95	22.01	23.00
3GPP Rel 6	HSDPA Subtest-2	22.29	22.13	22.01	23.00
3GPP Rel 6	HSDPA Subtest-3	21.52	21.49	21.79	22.50
3GPP Rel 6	HSDPA Subtest-4	21.61	21.76	21.40	22.50
3GPP Rel 6	HSUPA Subtest-1	22.34	22.23	22.10	23.00
3GPP Rel 6	HSUPA Subtest-2	19.95	19.91	19.90	21.00
3GPP Rel 6	HSUPA Subtest-3	21.20	20.96	20.80	22.00
3GPP Rel 6	HSUPA Subtest-4	19.99	20.11	19.99	21.00
3GPP Rel 6	HSUPA Subtest-5	22.09	22.10	22.18	23.00

【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	22.24	22.29	22.18	23.00
3GPP Rel 6	HSDPA Subtest-1	21.10	21.07	21.12	22.00
3GPP Rel 6	HSDPA Subtest-2	21.38	21.23	20.91	22.00
3GPP Rel 6	HSDPA Subtest-3	20.55	20.41	20.78	21.50
3GPP Rel 6	HSDPA Subtest-4	20.54	20.83	20.34	21.50
3GPP Rel 6	HSUPA Subtest-1	21.39	21.32	21.03	22.00
3GPP Rel 6	HSUPA Subtest-2	19.02	18.97	18.91	20.00
3GPP Rel 6	HSUPA Subtest-3	20.14	19.89	19.88	21.00
3GPP Rel 6	HSUPA Subtest-4	19.03	19.10	18.94	20.00
3GPP Rel 6	HSUPA Subtest-5	21.03	21.13	21.20	22.00

【WCDMA V_Hotspot on】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	22.24	22.29	22.18	23.00
3GPP Rel 6	HSDPA Subtest-1	21.10	21.07	21.12	22.00
3GPP Rel 6	HSDPA Subtest-2	21.38	21.23	20.91	22.00
3GPP Rel 6	HSDPA Subtest-3	20.55	20.41	20.78	21.50
3GPP Rel 6	HSDPA Subtest-4	20.54	20.83	20.34	21.50
3GPP Rel 6	HSUPA Subtest-1	21.39	21.32	21.03	22.00
3GPP Rel 6	HSUPA Subtest-2	19.02	18.97	18.91	20.00
3GPP Rel 6	HSUPA Subtest-3	20.14	19.89	19.88	21.00
3GPP Rel 6	HSUPA Subtest-4	19.03	19.10	18.94	20.00
3GPP Rel 6	HSUPA Subtest-5	21.03	21.13	21.20	22.00

【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	23.13	23.23	23.22	24.00
3GPP Rel 6	HSDPA Subtest-1	22.13	21.95	22.01	23.00
3GPP Rel 6	HSDPA Subtest-2	22.29	22.13	22.01	23.00
3GPP Rel 6	HSDPA Subtest-3	21.52	21.49	21.79	22.50
3GPP Rel 6	HSDPA Subtest-4	21.61	21.76	21.40	22.50
3GPP Rel 6	HSUPA Subtest-1	22.34	22.23	22.10	23.00
3GPP Rel 6	HSUPA Subtest-2	19.95	19.91	19.90	21.00
3GPP Rel 6	HSUPA Subtest-3	21.20	20.96	20.80	22.00
3GPP Rel 6	HSUPA Subtest-4	19.99	20.11	19.99	21.00
3GPP Rel 6	HSUPA Subtest-5	22.09	22.10	22.18	23.00



<LTE Conducted Power>

【LTE Band 2_Ant 0_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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.14	23.34	23.21	24.00
20	QPSK	1	49	23.03	23.33	23.19	24.00
20	QPSK	1	99	22.93	23.24	23.04	24.00
20	QPSK	50	0	22.05	22.34	22.11	23.00
20	QPSK	50	24	22.07	22.34	22.12	23.00
20	QPSK	50	50	21.98	22.31	22.08	23.00
20	QPSK	100	0	22.00	22.32	22.15	23.00
20	16QAM	1	0	22.12	22.46	22.28	23.00
20	16QAM	1	49	22.47	22.80	22.62	23.00
20	16QAM	1	99	22.36	22.57	22.41	23.00
20	16QAM	50	0	20.98	21.23	20.97	22.00
20	16QAM	50	24	21.06	21.34	21.19	22.00
20	16QAM	50	50	21.40	21.71	21.55	22.00
20	16QAM	100	0	20.98	21.25	21.04	22.00
20	64QAM	1	0	21.20	21.41	21.25	22.00
20	64QAM	1	49	21.28	21.57	21.39	22.00
20	64QAM	1	99	21.03	21.36	21.14	22.00
20	64QAM	50	0	20.08	20.27	20.02	21.00
20	64QAM	50	24	20.08	20.36	20.15	21.00
20	64QAM	50	50	20.06	20.36	20.20	21.00
20	64QAM	100	0	20.10	20.31	20.05	21.00
20	256QAM	1	0	18.00	18.29	18.06	19.00
20	256QAM	1	49	18.25	18.43	18.28	19.00
20	256QAM	1	99	18.21	18.44	18.30	19.00
20	256QAM	50	0	18.15	18.33	18.19	19.00
20	256QAM	50	24	18.17	18.41	18.21	19.00
20	256QAM	50	50	18.21	18.38	18.16	19.00
20	256QAM	100	0	18.13	18.37	18.22	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.01	23.32	23.13	24.00
15	QPSK	1	37	22.98	23.28	23.17	24.00
15	QPSK	1	74	22.85	23.09	22.92	24.00
15	QPSK	36	0	21.99	22.28	22.06	23.00
15	QPSK	36	20	22.00	22.21	22.01	23.00
15	QPSK	36	39	21.90	22.26	22.07	23.00
15	QPSK	75	0	21.96	22.26	22.14	23.00
15	16QAM	1	0	22.11	22.38	22.20	23.00
15	16QAM	1	37	22.33	22.65	22.58	23.00
15	16QAM	1	74	22.24	22.53	22.40	23.00
15	16QAM	36	0	20.96	21.19	20.87	22.00
15	16QAM	36	20	21.02	21.26	21.05	22.00
15	16QAM	36	39	21.36	21.57	21.41	22.00
15	16QAM	75	0	20.95	21.19	20.92	22.00
15	64QAM	1	0	21.16	21.28	21.15	22.00
15	64QAM	1	37	21.21	21.46	21.38	22.00
15	64QAM	1	74	20.96	21.34	21.06	22.00
15	64QAM	36	0	20.05	20.17	19.96	21.00
15	64QAM	36	20	20.07	20.24	20.11	21.00
15	64QAM	36	39	20.04	20.35	20.12	21.00
15	64QAM	75	0	19.98	20.21	19.95	21.00
15	256QAM	1	0	17.92	18.16	17.94	19.00
15	256QAM	1	37	18.21	18.38	18.15	19.00
15	256QAM	1	74	18.08	18.39	18.19	19.00
15	256QAM	36	0	18.00	18.28	18.04	19.00
15	256QAM	36	20	18.10	18.40	18.08	19.00
15	256QAM	36	39	18.10	18.33	18.06	19.00
15	256QAM	75	0	18.10	18.31	18.09	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.12	23.32	23.18	24.00
10	QPSK	1	25	23.01	23.18	23.17	24.00
10	QPSK	1	49	22.80	23.12	23.00	24.00
10	QPSK	25	0	22.00	22.29	22.06	23.00
10	QPSK	25	12	22.04	22.25	22.01	23.00
10	QPSK	25	25	21.92	22.17	22.02	23.00
10	QPSK	50	0	21.89	22.19	22.06	23.00
10	16QAM	1	0	21.99	22.41	22.14	23.00



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10	16QAM	1	25	22.44	22.68	22.49	23.00
10	16QAM	1	49	22.34	22.54	22.36	23.00
10	16QAM	25	0	20.84	21.13	20.94	22.00
10	16QAM	25	12	21.04	21.21	21.17	22.00
10	16QAM	25	25	21.33	21.70	21.51	22.00
10	16QAM	50	0	20.89	21.11	20.92	22.00
10	64QAM	1	0	21.15	21.33	21.12	22.00
10	64QAM	1	25	21.18	21.45	21.26	22.00
10	64QAM	1	49	20.91	21.32	21.11	22.00
10	64QAM	25	0	19.99	20.24	19.99	21.00
10	64QAM	25	12	19.96	20.22	20.01	21.00
10	64QAM	25	25	19.97	20.30	20.14	21.00
10	64QAM	50	0	20.04	20.24	19.99	21.00
10	256QAM	1	0	17.87	18.17	17.94	19.00
10	256QAM	1	25	18.16	18.40	18.25	19.00
10	256QAM	1	49	18.07	18.41	18.26	19.00
10	256QAM	25	0	18.03	18.21	18.18	19.00
10	256QAM	25	12	18.10	18.28	18.14	19.00
10	256QAM	25	25	18.20	18.31	18.14	19.00
10	256QAM	50	0	17.99	18.25	18.08	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.99	23.31	23.07	24.00
5	QPSK	1	12	22.91	23.19	23.12	24.00
5	QPSK	1	24	22.86	23.10	22.90	24.00
5	QPSK	12	0	21.97	22.24	22.00	23.00
5	QPSK	12	7	22.01	22.25	22.08	23.00
5	QPSK	12	13	21.87	22.24	22.05	23.00
5	QPSK	25	0	21.94	22.22	22.02	23.00
5	16QAM	1	0	22.05	22.34	22.24	23.00
5	16QAM	1	12	22.33	22.68	22.52	23.00
5	16QAM	1	24	22.23	22.54	22.38	23.00
5	16QAM	12	0	20.84	21.10	20.95	22.00
5	16QAM	12	7	20.92	21.27	21.16	22.00
5	16QAM	12	13	21.27	21.64	21.51	22.00
5	16QAM	25	0	20.95	21.21	20.97	22.00
5	64QAM	1	0	21.15	21.39	21.19	22.00
5	64QAM	1	12	21.18	21.45	21.34	22.00
5	64QAM	1	24	20.93	21.26	21.08	22.00
5	64QAM	12	0	20.00	20.18	19.99	21.00
5	64QAM	12	7	19.93	20.27	20.03	21.00
5	64QAM	12	13	20.00	20.33	20.18	21.00
5	64QAM	25	0	20.07	20.20	19.94	21.00
5	256QAM	1	0	17.97	18.20	17.98	19.00
5	256QAM	1	12	18.12	18.42	18.15	19.00
5	256QAM	1	24	18.06	18.32	18.26	19.00
5	256QAM	12	0	18.09	18.23	18.12	19.00
5	256QAM	12	7	18.04	18.33	18.07	19.00
5	256QAM	12	13	18.18	18.26	18.12	19.00
5	256QAM	25	0	18.01	18.33	18.15	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.00	23.31	23.09	24.00
3	QPSK	1	8	22.92	23.26	23.17	24.00
3	QPSK	1	14	22.84	23.21	22.93	24.00
3	QPSK	8	0	21.92	22.20	22.03	23.00
3	QPSK	8	4	22.04	22.32	22.02	23.00
3	QPSK	8	7	21.86	22.24	21.94	23.00
3	QPSK	15	0	21.94	22.23	22.02	23.00
3	16QAM	1	0	21.98	22.38	22.23	23.00
3	16QAM	1	8	22.34	22.74	22.54	23.00
3	16QAM	1	14	22.28	22.50	22.37	23.00
3	16QAM	8	0	20.93	21.12	20.88	22.00
3	16QAM	8	4	21.03	21.21	21.07	22.00
3	16QAM	8	7	21.34	21.60	21.46	22.00
3	16QAM	15	0	20.85	21.12	20.98	22.00
3	64QAM	1	0	21.18	21.34	21.15	22.00
3	64QAM	1	8	21.21	21.51	21.26	22.00
3	64QAM	1	14	20.99	21.34	21.00	22.00
3	64QAM	8	0	19.98	20.18	20.01	21.00
3	64QAM	8	4	20.04	20.32	20.01	21.00
3	64QAM	8	7	19.98	20.34	20.12	21.00
3	64QAM	15	0	20.01	20.16	19.92	21.00
3	256QAM	1	0	17.94	18.19	18.03	19.00
3	256QAM	1	8	18.12	18.38	18.23	19.00
3	256QAM	1	14	18.09	18.36	18.24	19.00
3	256QAM	8	0	18.13	18.21	18.11	19.00
3	256QAM	8	4	18.15	18.36	18.19	19.00



3	256QAM	8	7	18.12	18.29	18.04	19.00
3	256QAM	15	0	18.05	18.36	18.09	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.09	23.28	23.08	24.00
1.4	QPSK	1	3	22.89	23.27	23.07	24.00
1.4	QPSK	1	5	22.83	23.11	22.93	24.00
1.4	QPSK	3	0	23.02	23.22	23.09	24.00
1.4	QPSK	3	1	23.02	23.25	23.00	24.00
1.4	QPSK	3	3	22.85	23.19	23.02	24.00
1.4	QPSK	6	0	21.95	22.18	22.02	23.00
1.4	16QAM	1	0	22.08	22.44	22.14	23.00
1.4	16QAM	1	3	22.41	22.65	22.49	23.00
1.4	16QAM	1	5	22.22	22.42	22.37	23.00
1.4	16QAM	3	0	21.96	22.14	21.84	23.00
1.4	16QAM	3	1	21.99	22.25	22.04	23.00
1.4	16QAM	3	3	22.28	22.69	22.51	23.00
1.4	16QAM	6	0	20.92	21.22	21.00	22.00
1.4	64QAM	1	0	21.17	21.35	21.16	22.00
1.4	64QAM	1	3	21.17	21.55	21.32	22.00
1.4	64QAM	1	5	20.92	21.24	21.05	22.00
1.4	64QAM	3	0	20.98	21.12	21.00	22.00
1.4	64QAM	3	1	21.06	21.34	21.08	22.00
1.4	64QAM	3	3	21.01	21.30	21.16	22.00
1.4	64QAM	6	0	19.95	20.19	19.94	21.00
1.4	256QAM	1	0	17.98	18.23	18.01	19.00
1.4	256QAM	1	3	18.17	18.33	18.25	19.00
1.4	256QAM	1	5	18.11	18.42	18.25	19.00
1.4	256QAM	3	0	18.10	18.28	18.10	19.00
1.4	256QAM	3	1	18.04	18.27	18.12	19.00
1.4	256QAM	3	3	18.15	18.30	18.13	19.00
1.4	256QAM	6	0	18.03	18.26	18.10	19.00

【LTE Band 2_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.14	23.34	23.21	24.00
20	QPSK	1	49	23.03	23.33	23.19	24.00
20	QPSK	1	99	22.93	23.24	23.04	24.00
20	QPSK	50	0	22.05	22.34	22.11	23.00
20	QPSK	50	24	22.07	22.34	22.12	23.00
20	QPSK	50	50	21.98	22.31	22.08	23.00
20	QPSK	100	0	22.00	22.32	22.15	23.00
20	16QAM	1	0	22.12	22.46	22.28	23.00
20	16QAM	1	49	22.47	22.80	22.62	23.00
20	16QAM	1	99	22.36	22.57	22.41	23.00
20	16QAM	50	0	20.98	21.23	20.97	22.00
20	16QAM	50	24	21.06	21.34	21.19	22.00
20	16QAM	50	50	21.40	21.71	21.55	22.00
20	16QAM	100	0	20.98	21.25	21.04	22.00
20	64QAM	1	0	21.20	21.41	21.25	22.00
20	64QAM	1	49	21.28	21.57	21.39	22.00
20	64QAM	1	99	21.03	21.36	21.14	22.00
20	64QAM	50	0	20.08	20.27	20.02	21.00
20	64QAM	50	24	20.08	20.36	20.15	21.00
20	64QAM	50	50	20.06	20.36	20.20	21.00
20	64QAM	100	0	20.10	20.31	20.05	21.00
20	256QAM	1	0	18.00	18.29	18.06	19.00
20	256QAM	1	49	18.25	18.43	18.28	19.00
20	256QAM	1	99	18.21	18.44	18.30	19.00
20	256QAM	50	0	18.15	18.33	18.19	19.00
20	256QAM	50	24	18.17	18.41	18.21	19.00
20	256QAM	50	50	18.21	18.38	18.16	19.00
20	256QAM	100	0	18.13	18.37	18.22	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.01	23.32	23.13	24.00
15	QPSK	1	37	22.98	23.28	23.17	24.00
15	QPSK	1	74	22.85	23.09	22.92	24.00
15	QPSK	36	0	21.99	22.28	22.06	23.00



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15	QPSK	36	20	22.00	22.21	22.01	23.00
15	QPSK	36	39	21.90	22.26	22.07	23.00
15	QPSK	75	0	21.96	22.26	22.14	23.00
15	16QAM	1	0	22.11	22.38	22.20	23.00
15	16QAM	1	37	22.33	22.65	22.58	23.00
15	16QAM	1	74	22.24	22.53	22.40	23.00
15	16QAM	36	0	20.96	21.19	20.87	22.00
15	16QAM	36	20	21.02	21.26	21.05	22.00
15	16QAM	36	39	21.36	21.57	21.41	22.00
15	16QAM	75	0	20.95	21.19	20.92	22.00
15	64QAM	1	0	21.16	21.28	21.15	22.00
15	64QAM	1	37	21.21	21.46	21.38	22.00
15	64QAM	1	74	20.96	21.34	21.06	22.00
15	64QAM	36	0	20.05	20.17	19.96	21.00
15	64QAM	36	20	20.07	20.24	20.11	21.00
15	64QAM	36	39	20.04	20.35	20.12	21.00
15	64QAM	75	0	19.98	20.21	19.95	21.00
15	256QAM	1	0	17.92	18.16	17.94	19.00
15	256QAM	1	37	18.21	18.38	18.15	19.00
15	256QAM	1	74	18.08	18.39	18.19	19.00
15	256QAM	36	0	18.00	18.28	18.04	19.00
15	256QAM	36	20	18.10	18.40	18.08	19.00
15	256QAM	36	39	18.10	18.33	18.06	19.00
15	256QAM	75	0	18.10	18.31	18.09	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	23.12	23.32	23.18	24.00
10	QPSK	1	25	23.01	23.18	23.17	24.00
10	QPSK	1	49	22.80	23.12	23.00	24.00
10	QPSK	25	0	22.00	22.29	22.06	23.00
10	QPSK	25	12	22.04	22.25	22.01	23.00
10	QPSK	25	25	21.92	22.17	22.02	23.00
10	QPSK	50	0	21.89	22.19	22.06	23.00
10	16QAM	1	0	21.99	22.41	22.14	23.00
10	16QAM	1	25	22.44	22.68	22.49	23.00
10	16QAM	1	49	22.34	22.54	22.36	23.00
10	16QAM	25	0	20.84	21.13	20.94	22.00
10	16QAM	25	12	21.04	21.21	21.17	22.00
10	16QAM	25	25	21.33	21.70	21.51	22.00
10	16QAM	50	0	20.89	21.11	20.92	22.00
10	64QAM	1	0	21.15	21.33	21.12	22.00
10	64QAM	1	25	21.18	21.45	21.26	22.00
10	64QAM	1	49	20.91	21.32	21.11	22.00
10	64QAM	25	0	19.99	20.24	19.99	21.00
10	64QAM	25	12	19.96	20.22	20.01	21.00
10	64QAM	25	25	19.97	20.30	20.14	21.00
10	64QAM	50	0	20.04	20.24	19.99	21.00
10	256QAM	1	0	17.87	18.17	17.94	19.00
10	256QAM	1	25	18.16	18.40	18.25	19.00
10	256QAM	1	49	18.07	18.41	18.26	19.00
10	256QAM	25	0	18.03	18.21	18.18	19.00
10	256QAM	25	12	18.10	18.28	18.14	19.00
10	256QAM	25	25	18.20	18.31	18.14	19.00
10	256QAM	50	0	17.99	18.25	18.08	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.99	23.31	23.07	24.00
5	QPSK	1	12	22.91	23.19	23.12	24.00
5	QPSK	1	24	22.86	23.10	22.90	24.00
5	QPSK	12	0	21.97	22.24	22.00	23.00
5	QPSK	12	7	22.01	22.25	22.08	23.00
5	QPSK	12	13	21.87	22.24	22.05	23.00
5	QPSK	25	0	21.94	22.22	22.02	23.00
5	16QAM	1	0	22.05	22.34	22.24	23.00
5	16QAM	1	12	22.33	22.68	22.52	23.00
5	16QAM	1	24	22.23	22.54	22.38	23.00
5	16QAM	12	0	20.84	21.10	20.95	22.00
5	16QAM	12	7	20.92	21.27	21.16	22.00
5	16QAM	12	13	21.27	21.64	21.51	22.00
5	16QAM	25	0	20.95	21.21	20.97	22.00
5	64QAM	1	0	21.15	21.39	21.19	22.00
5	64QAM	1	12	21.18	21.45	21.34	22.00
5	64QAM	1	24	20.93	21.26	21.08	22.00
5	64QAM	12	0	20.00	20.18	19.99	21.00
5	64QAM	12	7	19.93	20.27	20.03	21.00
5	64QAM	12	13	20.00	20.33	20.18	21.00
5	64QAM	25	0	20.07	20.20	19.94	21.00
5	256QAM	1	0	17.97	18.20	17.98	19.00



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5	256QAM	1	12	18.12	18.42	18.15	19.00
5	256QAM	1	24	18.06	18.32	18.26	19.00
5	256QAM	12	0	18.09	18.23	18.12	19.00
5	256QAM	12	7	18.04	18.33	18.07	19.00
5	256QAM	12	13	18.18	18.26	18.12	19.00
5	256QAM	25	0	18.01	18.33	18.15	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.00	23.31	23.09	24.00
3	QPSK	1	8	22.92	23.26	23.17	24.00
3	QPSK	1	14	22.84	23.21	22.93	24.00
3	QPSK	8	0	21.92	22.20	22.03	23.00
3	QPSK	8	4	22.04	22.32	22.02	23.00
3	QPSK	8	7	21.86	22.24	21.94	23.00
3	QPSK	15	0	21.94	22.23	22.02	23.00
3	16QAM	1	0	21.98	22.38	22.23	23.00
3	16QAM	1	8	22.34	22.74	22.54	23.00
3	16QAM	1	14	22.28	22.50	22.37	23.00
3	16QAM	8	0	20.93	21.12	20.88	22.00
3	16QAM	8	4	21.03	21.21	21.07	22.00
3	16QAM	8	7	21.34	21.60	21.46	22.00
3	16QAM	15	0	20.85	21.12	20.98	22.00
3	64QAM	1	0	21.18	21.34	21.15	22.00
3	64QAM	1	8	21.21	21.51	21.26	22.00
3	64QAM	1	14	20.99	21.34	21.00	22.00
3	64QAM	8	0	19.98	20.18	20.01	21.00
3	64QAM	8	4	20.04	20.32	20.01	21.00
3	64QAM	8	7	19.98	20.34	20.12	21.00
3	64QAM	15	0	20.01	20.16	19.92	21.00
3	256QAM	1	0	17.94	18.19	18.03	19.00
3	256QAM	1	8	18.12	18.38	18.23	19.00
3	256QAM	1	14	18.09	18.36	18.24	19.00
3	256QAM	8	0	18.13	18.21	18.11	19.00
3	256QAM	8	4	18.15	18.36	18.19	19.00
3	256QAM	8	7	18.12	18.29	18.04	19.00
3	256QAM	15	0	18.05	18.36	18.09	19.00
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	23.09	23.28	23.08	24.00
1.4	QPSK	1	3	22.89	23.27	23.07	24.00
1.4	QPSK	1	5	22.83	23.11	22.93	24.00
1.4	QPSK	3	0	23.02	23.22	23.09	24.00
1.4	QPSK	3	1	23.02	23.25	23.00	24.00
1.4	QPSK	3	3	22.85	23.19	23.02	24.00
1.4	QPSK	6	0	21.95	22.18	22.02	23.00
1.4	16QAM	1	0	22.08	22.44	22.14	23.00
1.4	16QAM	1	3	22.41	22.65	22.49	23.00
1.4	16QAM	1	5	22.22	22.42	22.37	23.00
1.4	16QAM	3	0	21.96	22.14	21.84	23.00
1.4	16QAM	3	1	21.99	22.25	22.04	23.00
1.4	16QAM	3	3	22.28	22.69	22.51	23.00
1.4	16QAM	6	0	20.92	21.22	21.00	22.00
1.4	64QAM	1	0	21.17	21.35	21.16	22.00
1.4	64QAM	1	3	21.17	21.55	21.32	22.00
1.4	64QAM	1	5	20.92	21.24	21.05	22.00
1.4	64QAM	3	0	20.98	21.12	21.00	22.00
1.4	64QAM	3	1	21.06	21.34	21.08	22.00
1.4	64QAM	3	3	21.01	21.30	21.16	22.00
1.4	64QAM	6	0	19.95	20.19	19.94	21.00
1.4	256QAM	1	0	17.98	18.23	18.01	19.00
1.4	256QAM	1	3	18.17	18.33	18.25	19.00
1.4	256QAM	1	5	18.11	18.42	18.25	19.00
1.4	256QAM	3	0	18.10	18.28	18.10	19.00
1.4	256QAM	3	1	18.04	18.27	18.12	19.00
1.4	256QAM	3	3	18.15	18.30	18.13	19.00
1.4	256QAM	6	0	18.03	18.26	18.10	19.00



【LTE Band 2_Ant 0_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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	15.15	15.38	15.24	16.00
20	QPSK	1	49	15.22	15.28	15.22	16.00
20	QPSK	1	99	15.22	15.35	15.30	16.00
20	QPSK	50	0	15.06	15.35	15.09	16.00
20	QPSK	50	24	15.24	15.27	15.33	16.00
20	QPSK	50	50	15.16	15.30	15.24	16.00
20	QPSK	100	0	15.21	15.40	15.10	16.00
20	16QAM	1	0	15.02	15.41	15.19	16.00
20	16QAM	1	49	15.04	15.41	15.13	16.00
20	16QAM	1	99	15.16	15.27	15.32	16.00
20	16QAM	50	0	15.17	15.35	15.12	16.00
20	16QAM	50	24	15.03	15.39	15.27	16.00
20	16QAM	50	50	15.25	15.32	15.28	16.00
20	16QAM	100	0	15.02	15.37	15.18	16.00
20	64QAM	1	0	15.08	15.28	15.30	16.00
20	64QAM	1	49	15.15	15.29	15.17	16.00
20	64QAM	1	99	15.04	15.45	15.22	16.00
20	64QAM	50	0	15.20	15.45	15.28	16.00
20	64QAM	50	24	15.10	15.36	15.15	16.00
20	64QAM	50	50	15.10	15.45	15.33	16.00
20	64QAM	100	0	15.10	15.25	15.19	16.00
20	256QAM	1	0	15.18	15.36	15.11	16.00
20	256QAM	1	49	15.04	15.36	15.30	16.00
20	256QAM	1	99	15.25	15.34	15.31	16.00
20	256QAM	50	0	15.18	15.34	15.29	16.00
20	256QAM	50	24	15.10	15.44	15.31	16.00
20	256QAM	50	50	15.12	15.41	15.27	16.00
20	256QAM	100	0	15.08	15.37	15.22	16.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.04	15.33	15.09	16.00
15	QPSK	1	37	15.08	15.21	15.08	16.00
15	QPSK	1	74	15.07	15.31	15.24	16.00
15	QPSK	36	0	15.02	15.21	15.01	16.00
15	QPSK	36	20	15.13	15.20	15.22	16.00
15	QPSK	36	39	15.13	15.19	15.12	16.00
15	QPSK	75	0	15.14	15.34	15.03	16.00
15	16QAM	1	0	14.89	15.27	15.05	16.00
15	16QAM	1	37	14.98	15.29	15.07	16.00
15	16QAM	1	74	15.15	15.13	15.24	16.00
15	16QAM	36	0	15.11	15.23	15.08	16.00
15	16QAM	36	20	14.89	15.32	15.18	16.00
15	16QAM	36	39	15.11	15.25	15.20	16.00
15	16QAM	75	0	14.97	15.32	15.04	16.00
15	64QAM	1	0	15.07	15.19	15.23	16.00
15	64QAM	1	37	15.13	15.20	15.04	16.00
15	64QAM	1	74	14.95	15.37	15.16	16.00
15	64QAM	36	0	15.14	15.38	15.20	16.00
15	64QAM	36	20	15.00	15.25	15.11	16.00
15	64QAM	36	39	15.04	15.38	15.22	16.00
15	64QAM	75	0	15.03	15.22	15.16	16.00
15	256QAM	1	0	15.10	15.34	15.00	16.00
15	256QAM	1	37	14.96	15.33	15.18	16.00
15	256QAM	1	74	15.15	15.27	15.24	16.00
15	256QAM	36	0	15.14	15.27	15.20	16.00
15	256QAM	36	20	14.95	15.35	15.23	16.00
15	256QAM	36	39	14.97	15.38	15.14	16.00
15	256QAM	75	0	14.99	15.25	15.08	16.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	15.07	15.31	15.16	16.00
10	QPSK	1	25	15.15	15.23	15.18	16.00
10	QPSK	1	49	15.10	15.21	15.18	16.00
10	QPSK	25	0	15.00	15.23	15.02	16.00
10	QPSK	25	12	15.15	15.20	15.23	16.00
10	QPSK	25	25	15.09	15.23	15.11	16.00
10	QPSK	50	0	15.11	15.38	15.03	16.00
10	16QAM	1	0	14.92	15.34	15.08	16.00
10	16QAM	1	25	14.99	15.28	15.04	16.00
10	16QAM	1	49	15.09	15.21	15.18	16.00
10	16QAM	25	0	15.10	15.22	15.02	16.00



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10	16QAM	25	12	15.01	15.35	15.21	16.00
10	16QAM	25	25	15.14	15.25	15.22	16.00
10	16QAM	50	0	14.88	15.27	15.10	16.00
10	64QAM	1	0	15.04	15.25	15.22	16.00
10	64QAM	1	25	15.08	15.24	15.02	16.00
10	64QAM	1	49	14.94	15.37	15.10	16.00
10	64QAM	25	0	15.08	15.36	15.22	16.00
10	64QAM	25	12	14.99	15.23	15.12	16.00
10	64QAM	25	25	14.95	15.38	15.24	16.00
10	64QAM	50	0	14.96	15.22	15.17	16.00
10	256QAM	1	0	15.08	15.29	15.07	16.00
10	256QAM	1	25	14.93	15.30	15.23	16.00
10	256QAM	1	49	15.15	15.32	15.23	16.00
10	256QAM	25	0	15.11	15.27	15.19	16.00
10	256QAM	25	12	15.07	15.32	15.23	16.00
10	256QAM	25	25	15.06	15.32	15.14	16.00
10	256QAM	50	0	15.02	15.30	15.15	16.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	15.09	15.32	15.11	16.00
5	QPSK	1	12	15.15	15.20	15.07	16.00
5	QPSK	1	24	15.13	15.27	15.22	16.00
5	QPSK	12	0	15.05	15.23	14.95	16.00
5	QPSK	12	7	15.13	15.17	15.23	16.00
5	QPSK	12	13	15.03	15.23	15.12	16.00
5	QPSK	25	0	15.07	15.35	14.97	16.00
5	16QAM	1	0	14.98	15.27	15.06	16.00
5	16QAM	1	12	14.92	15.33	15.03	16.00
5	16QAM	1	24	15.04	15.20	15.23	16.00
5	16QAM	12	0	15.13	15.30	15.10	16.00
5	16QAM	12	7	14.96	15.37	15.17	16.00
5	16QAM	12	13	15.13	15.22	15.24	16.00
5	16QAM	25	0	14.98	15.36	15.09	16.00
5	64QAM	1	0	15.01	15.18	15.20	16.00
5	64QAM	1	12	15.06	15.23	15.12	16.00
5	64QAM	1	24	14.96	15.31	15.14	16.00
5	64QAM	12	0	15.15	15.34	15.24	16.00
5	64QAM	12	7	15.06	15.21	15.02	16.00
5	64QAM	12	13	15.01	15.33	15.18	16.00
5	64QAM	25	0	15.02	15.10	15.12	16.00
5	256QAM	1	0	15.13	15.26	14.98	16.00
5	256QAM	1	12	14.98	15.25	15.16	16.00
5	256QAM	1	24	15.14	15.33	15.16	16.00
5	256QAM	12	0	15.08	15.26	15.24	16.00
5	256QAM	12	7	14.96	15.37	15.20	16.00
5	256QAM	12	13	14.97	15.37	15.14	16.00
5	256QAM	25	0	14.94	15.30	15.16	16.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	15.09	15.26	15.20	16.00
3	QPSK	1	8	15.14	15.22	15.21	16.00
3	QPSK	1	14	15.09	15.21	15.18	16.00
3	QPSK	8	0	14.96	15.25	15.01	16.00
3	QPSK	8	4	15.13	15.15	15.24	16.00
3	QPSK	8	7	15.14	15.19	15.22	16.00
3	QPSK	15	0	15.15	15.34	15.01	16.00
3	16QAM	1	0	14.95	15.38	15.06	16.00
3	16QAM	1	8	14.90	15.38	15.01	16.00
3	16QAM	1	14	15.10	15.17	15.19	16.00
3	16QAM	8	0	15.05	15.30	14.97	16.00
3	16QAM	8	4	14.95	15.34	15.13	16.00
3	16QAM	8	7	15.13	15.30	15.22	16.00
3	16QAM	15	0	14.98	15.34	15.16	16.00
3	64QAM	1	0	15.00	15.18	15.17	16.00
3	64QAM	1	8	15.01	15.21	15.03	16.00
3	64QAM	1	14	14.99	15.32	15.20	16.00
3	64QAM	8	0	15.07	15.38	15.17	16.00
3	64QAM	8	4	15.05	15.28	15.04	16.00
3	64QAM	8	7	15.07	15.37	15.24	16.00
3	64QAM	15	0	15.02	15.23	15.16	16.00
3	256QAM	1	0	15.03	15.23	15.05	16.00
3	256QAM	1	8	14.90	15.34	15.24	16.00
3	256QAM	1	14	15.15	15.22	15.24	16.00
3	256QAM	8	0	15.09	15.30	15.22	16.00
3	256QAM	8	4	15.05	15.32	15.21	16.00
3	256QAM	8	7	15.10	15.37	15.13	16.00
3	256QAM	15	0	15.02	15.24	15.17	16.00
Channel				18607	18900	19193	Tune-up limit



Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	15.07	15.30	15.18	16.00
1.4	QPSK	1	3	15.12	15.22	15.21	16.00
1.4	QPSK	1	5	15.10	15.30	15.23	16.00
1.4	QPSK	3	0	15.00	15.22	14.98	16.00
1.4	QPSK	3	1	15.09	15.13	15.24	16.00
1.4	QPSK	3	3	15.07	15.22	15.10	16.00
1.4	QPSK	6	0	15.11	15.37	15.06	16.00
1.4	16QAM	1	0	14.96	15.32	15.05	16.00
1.4	16QAM	1	3	14.90	15.36	15.11	16.00
1.4	16QAM	1	5	15.09	15.18	15.24	16.00
1.4	16QAM	3	0	15.10	15.30	15.01	16.00
1.4	16QAM	3	1	14.89	15.34	15.21	16.00
1.4	16QAM	3	3	15.14	15.20	15.23	16.00
1.4	16QAM	6	0	14.94	15.25	15.10	16.00
1.4	64QAM	1	0	15.05	15.25	15.24	16.00
1.4	64QAM	1	3	15.01	15.24	15.06	16.00
1.4	64QAM	1	5	14.91	15.37	15.14	16.00
1.4	64QAM	3	0	15.12	15.32	15.22	16.00
1.4	64QAM	3	1	15.01	15.22	15.09	16.00
1.4	64QAM	3	3	14.95	15.35	15.24	16.00
1.4	64QAM	6	0	15.04	15.14	15.09	16.00
1.4	256QAM	1	0	15.09	15.24	15.04	16.00
1.4	256QAM	1	3	14.95	15.23	15.22	16.00
1.4	256QAM	1	5	15.13	15.23	15.22	16.00
1.4	256QAM	3	0	15.08	15.29	15.18	16.00
1.4	256QAM	3	1	15.09	15.29	15.23	16.00
1.4	256QAM	3	3	15.00	15.37	15.20	16.00
1.4	256QAM	6	0	15.06	15.23	15.12	16.00

【LTE Band 2_Ant 0_Hotspot 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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	15.15	15.38	15.24	16.00
20	QPSK	1	49	15.22	15.28	15.22	16.00
20	QPSK	1	99	15.22	15.35	15.30	16.00
20	QPSK	50	0	15.06	15.35	15.09	16.00
20	QPSK	50	24	15.24	15.27	15.33	16.00
20	QPSK	50	50	15.16	15.30	15.24	16.00
20	QPSK	100	0	15.21	15.40	15.10	16.00
20	16QAM	1	0	15.02	15.41	15.19	16.00
20	16QAM	1	49	15.04	15.41	15.13	16.00
20	16QAM	1	99	15.16	15.27	15.32	16.00
20	16QAM	50	0	15.17	15.35	15.12	16.00
20	16QAM	50	24	15.03	15.39	15.27	16.00
20	16QAM	50	50	15.25	15.32	15.28	16.00
20	16QAM	100	0	15.02	15.37	15.18	16.00
20	64QAM	1	0	15.08	15.28	15.30	16.00
20	64QAM	1	49	15.15	15.29	15.17	16.00
20	64QAM	1	99	15.04	15.45	15.22	16.00
20	64QAM	50	0	15.20	15.45	15.28	16.00
20	64QAM	50	24	15.10	15.36	15.15	16.00
20	64QAM	50	50	15.10	15.45	15.33	16.00
20	64QAM	100	0	15.10	15.25	15.19	16.00
20	256QAM	1	0	15.18	15.36	15.11	16.00
20	256QAM	1	49	15.04	15.36	15.30	16.00
20	256QAM	1	99	15.25	15.34	15.31	16.00
20	256QAM	50	0	15.18	15.34	15.29	16.00
20	256QAM	50	24	15.10	15.44	15.31	16.00
20	256QAM	50	50	15.12	15.41	15.27	16.00
20	256QAM	100	0	15.08	15.37	15.22	16.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.04	15.33	15.09	16.00
15	QPSK	1	37	15.08	15.21	15.08	16.00
15	QPSK	1	74	15.07	15.31	15.24	16.00
15	QPSK	36	0	15.02	15.21	15.01	16.00
15	QPSK	36	20	15.13	15.20	15.22	16.00
15	QPSK	36	39	15.13	15.19	15.12	16.00
15	QPSK	75	0	15.14	15.34	15.03	16.00



15	16QAM	1	0	14.89	15.27	15.05	16.00
15	16QAM	1	37	14.98	15.29	15.07	16.00
15	16QAM	1	74	15.15	15.13	15.24	16.00
15	16QAM	36	0	15.11	15.23	15.08	16.00
15	16QAM	36	20	14.89	15.32	15.18	16.00
15	16QAM	36	39	15.11	15.25	15.20	16.00
15	16QAM	75	0	14.97	15.32	15.04	16.00
15	64QAM	1	0	15.07	15.19	15.23	16.00
15	64QAM	1	37	15.13	15.20	15.04	16.00
15	64QAM	1	74	14.95	15.37	15.16	16.00
15	64QAM	36	0	15.14	15.38	15.20	16.00
15	64QAM	36	20	15.00	15.25	15.11	16.00
15	64QAM	36	39	15.04	15.38	15.22	16.00
15	64QAM	75	0	15.03	15.22	15.16	16.00
15	256QAM	1	0	15.10	15.34	15.00	16.00
15	256QAM	1	37	14.96	15.33	15.18	16.00
15	256QAM	1	74	15.15	15.27	15.24	16.00
15	256QAM	36	0	15.14	15.27	15.20	16.00
15	256QAM	36	20	14.95	15.35	15.23	16.00
15	256QAM	36	39	14.97	15.38	15.14	16.00
15	256QAM	75	0	14.99	15.25	15.08	16.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	15.07	15.31	15.16	16.00
10	QPSK	1	25	15.15	15.23	15.18	16.00
10	QPSK	1	49	15.10	15.21	15.18	16.00
10	QPSK	25	0	15.00	15.23	15.02	16.00
10	QPSK	25	12	15.15	15.20	15.23	16.00
10	QPSK	25	25	15.09	15.23	15.11	16.00
10	QPSK	50	0	15.11	15.38	15.03	16.00
10	16QAM	1	0	14.92	15.34	15.08	16.00
10	16QAM	1	25	14.99	15.28	15.04	16.00
10	16QAM	1	49	15.09	15.21	15.18	16.00
10	16QAM	25	0	15.10	15.22	15.02	16.00
10	16QAM	25	12	15.01	15.35	15.21	16.00
10	16QAM	25	25	15.14	15.25	15.22	16.00
10	16QAM	50	0	14.88	15.27	15.10	16.00
10	64QAM	1	0	15.04	15.25	15.22	16.00
10	64QAM	1	25	15.08	15.24	15.02	16.00
10	64QAM	1	49	14.94	15.37	15.10	16.00
10	64QAM	25	0	15.08	15.36	15.22	16.00
10	64QAM	25	12	14.99	15.23	15.12	16.00
10	64QAM	25	25	14.95	15.38	15.24	16.00
10	64QAM	50	0	14.96	15.22	15.17	16.00
10	256QAM	1	0	15.08	15.29	15.07	16.00
10	256QAM	1	25	14.93	15.30	15.23	16.00
10	256QAM	1	49	15.15	15.32	15.23	16.00
10	256QAM	25	0	15.11	15.27	15.19	16.00
10	256QAM	25	12	15.07	15.32	15.23	16.00
10	256QAM	25	25	15.06	15.32	15.14	16.00
10	256QAM	50	0	15.02	15.30	15.15	16.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	15.09	15.32	15.11	16.00
5	QPSK	1	12	15.15	15.20	15.07	16.00
5	QPSK	1	24	15.13	15.27	15.22	16.00
5	QPSK	12	0	15.05	15.23	14.95	16.00
5	QPSK	12	7	15.13	15.17	15.23	16.00
5	QPSK	12	13	15.03	15.23	15.12	16.00
5	QPSK	25	0	15.07	15.35	14.97	16.00
5	16QAM	1	0	14.98	15.27	15.06	16.00
5	16QAM	1	12	14.92	15.33	15.03	16.00
5	16QAM	1	24	15.04	15.20	15.23	16.00
5	16QAM	12	0	15.13	15.30	15.10	16.00
5	16QAM	12	7	14.96	15.37	15.17	16.00
5	16QAM	12	13	15.13	15.22	15.24	16.00
5	16QAM	25	0	14.98	15.36	15.09	16.00
5	64QAM	1	0	15.01	15.18	15.20	16.00
5	64QAM	1	12	15.06	15.23	15.12	16.00
5	64QAM	1	24	14.96	15.31	15.14	16.00
5	64QAM	12	0	15.15	15.34	15.24	16.00
5	64QAM	12	7	15.06	15.21	15.02	16.00
5	64QAM	12	13	15.01	15.33	15.18	16.00
5	64QAM	25	0	15.02	15.10	15.12	16.00
5	256QAM	1	0	15.13	15.26	14.98	16.00
5	256QAM	1	12	14.98	15.25	15.16	16.00
5	256QAM	1	24	15.14	15.33	15.16	16.00
5	256QAM	12	0	15.08	15.26	15.24	16.00



5	256QAM	12	7	14.96	15.37	15.20	16.00
5	256QAM	12	13	14.97	15.37	15.14	16.00
5	256QAM	25	0	14.94	15.30	15.16	16.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	15.09	15.26	15.20	16.00
3	QPSK	1	8	15.14	15.22	15.21	16.00
3	QPSK	1	14	15.09	15.21	15.18	16.00
3	QPSK	8	0	14.96	15.25	15.01	16.00
3	QPSK	8	4	15.13	15.15	15.24	16.00
3	QPSK	8	7	15.14	15.19	15.22	16.00
3	QPSK	15	0	15.15	15.34	15.01	16.00
3	16QAM	1	0	14.95	15.38	15.06	16.00
3	16QAM	1	8	14.90	15.38	15.01	16.00
3	16QAM	1	14	15.10	15.17	15.19	16.00
3	16QAM	8	0	15.05	15.30	14.97	16.00
3	16QAM	8	4	14.95	15.34	15.13	16.00
3	16QAM	8	7	15.13	15.30	15.22	16.00
3	16QAM	15	0	14.98	15.34	15.16	16.00
3	64QAM	1	0	15.00	15.18	15.17	16.00
3	64QAM	1	8	15.01	15.21	15.03	16.00
3	64QAM	1	14	14.99	15.32	15.20	16.00
3	64QAM	8	0	15.07	15.38	15.17	16.00
3	64QAM	8	4	15.05	15.28	15.04	16.00
3	64QAM	8	7	15.07	15.37	15.24	16.00
3	64QAM	15	0	15.02	15.23	15.16	16.00
3	256QAM	1	0	15.03	15.23	15.05	16.00
3	256QAM	1	8	14.90	15.34	15.24	16.00
3	256QAM	1	14	15.15	15.22	15.24	16.00
3	256QAM	8	0	15.09	15.30	15.22	16.00
3	256QAM	8	4	15.05	15.32	15.21	16.00
3	256QAM	8	7	15.10	15.37	15.13	16.00
3	256QAM	15	0	15.02	15.24	15.17	16.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.07	15.30	15.18	16.00
1.4	QPSK	1	3	15.12	15.22	15.21	16.00
1.4	QPSK	1	5	15.10	15.30	15.23	16.00
1.4	QPSK	3	0	15.00	15.22	14.98	16.00
1.4	QPSK	3	1	15.09	15.13	15.24	16.00
1.4	QPSK	3	3	15.07	15.22	15.10	16.00
1.4	QPSK	6	0	15.11	15.37	15.06	16.00
1.4	16QAM	1	0	14.96	15.32	15.05	16.00
1.4	16QAM	1	3	14.90	15.36	15.11	16.00
1.4	16QAM	1	5	15.09	15.18	15.24	16.00
1.4	16QAM	3	0	15.10	15.30	15.01	16.00
1.4	16QAM	3	1	14.89	15.34	15.21	16.00
1.4	16QAM	3	3	15.14	15.20	15.23	16.00
1.4	16QAM	6	0	14.94	15.25	15.10	16.00
1.4	64QAM	1	0	15.05	15.25	15.24	16.00
1.4	64QAM	1	3	15.01	15.24	15.06	16.00
1.4	64QAM	1	5	14.91	15.37	15.14	16.00
1.4	64QAM	3	0	15.12	15.32	15.22	16.00
1.4	64QAM	3	1	15.01	15.22	15.09	16.00
1.4	64QAM	3	3	14.95	15.35	15.24	16.00
1.4	64QAM	6	0	15.04	15.14	15.09	16.00
1.4	256QAM	1	0	15.09	15.24	15.04	16.00
1.4	256QAM	1	3	14.95	15.23	15.22	16.00
1.4	256QAM	1	5	15.13	15.23	15.22	16.00
1.4	256QAM	3	0	15.08	15.29	15.18	16.00
1.4	256QAM	3	1	15.09	15.29	15.23	16.00
1.4	256QAM	3	3	15.00	15.37	15.20	16.00
1.4	256QAM	6	0	15.06	15.23	15.12	16.00



【LTE Band 2_Ant 1_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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.04	23.18	23.05	24.00
20	QPSK	1	49	22.90	23.15	22.97	24.00
20	QPSK	1	99	22.69	22.98	22.70	24.00
20	QPSK	50	0	22.01	22.29	22.11	23.00
20	QPSK	50	24	22.08	22.28	22.07	23.00
20	QPSK	50	50	22.04	22.21	22.03	23.00
20	QPSK	100	0	21.96	22.19	22.01	23.00
20	16QAM	1	0	22.13	22.34	22.13	23.00
20	16QAM	1	49	22.20	22.43	22.28	23.00
20	16QAM	1	99	22.10	22.27	22.11	23.00
20	16QAM	50	0	20.90	21.14	20.99	22.00
20	16QAM	50	24	21.01	21.15	20.92	22.00
20	16QAM	50	50	21.03	21.20	20.93	22.00
20	16QAM	100	0	20.88	21.15	21.01	22.00
20	64QAM	1	0	21.13	21.33	21.19	22.00
20	64QAM	1	49	21.12	21.28	21.11	22.00
20	64QAM	1	99	21.03	21.29	21.05	22.00
20	64QAM	50	0	19.97	20.13	19.90	21.00
20	64QAM	50	24	20.04	20.23	20.06	21.00
20	64QAM	50	50	20.08	20.24	20.07	21.00
20	64QAM	100	0	19.92	20.18	19.93	21.00
20	256QAM	1	0	18.03	18.23	18.03	19.00
20	256QAM	1	49	18.14	18.36	18.13	19.00
20	256QAM	1	99	18.12	18.33	18.17	19.00
20	256QAM	50	0	17.95	18.15	17.92	19.00
20	256QAM	50	24	18.22	18.35	18.23	19.00
20	256QAM	50	50	18.15	18.29	18.06	19.00
20	256QAM	100	0	18.06	18.21	18.03	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.95	23.07	22.94	24.00
15	QPSK	1	37	22.81	23.10	22.91	24.00
15	QPSK	1	74	22.62	22.96	22.57	24.00
15	QPSK	36	0	21.93	22.26	22.08	23.00
15	QPSK	36	20	21.98	22.25	22.00	23.00
15	QPSK	36	39	21.99	22.11	22.01	23.00
15	QPSK	75	0	21.88	22.07	21.94	23.00
15	16QAM	1	0	22.07	22.27	22.04	23.00
15	16QAM	1	37	22.19	22.40	22.26	23.00
15	16QAM	1	74	22.06	22.26	22.06	23.00
15	16QAM	36	0	20.87	21.01	20.92	22.00
15	16QAM	36	20	20.96	21.09	20.82	22.00
15	16QAM	36	39	20.92	21.15	20.86	22.00
15	16QAM	75	0	20.77	21.10	20.94	22.00
15	64QAM	1	0	21.11	21.31	21.11	22.00
15	64QAM	1	37	21.10	21.17	21.04	22.00
15	64QAM	1	74	20.90	21.20	21.04	22.00
15	64QAM	36	0	19.92	20.11	19.78	21.00
15	64QAM	36	20	19.92	20.21	20.01	21.00
15	64QAM	36	39	19.94	20.20	19.92	21.00
15	64QAM	75	0	19.86	20.10	19.86	21.00
15	256QAM	1	0	18.00	18.09	17.96	19.00
15	256QAM	1	37	18.10	18.24	18.02	19.00
15	256QAM	1	74	18.06	18.27	18.06	19.00
15	256QAM	36	0	17.92	18.08	17.87	19.00
15	256QAM	36	20	18.11	18.29	18.09	19.00
15	256QAM	36	39	18.08	18.27	17.92	19.00
15	256QAM	75	0	18.04	18.19	17.90	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.93	23.13	22.92	24.00
10	QPSK	1	25	22.82	23.01	22.83	24.00
10	QPSK	1	49	22.55	22.88	22.57	24.00
10	QPSK	25	0	21.89	22.21	22.03	23.00
10	QPSK	25	12	21.93	22.18	21.92	23.00
10	QPSK	25	25	21.96	22.16	21.88	23.00
10	QPSK	50	0	21.84	22.07	21.93	23.00
10	16QAM	1	0	22.06	22.25	22.10	23.00
10	16QAM	1	25	22.15	22.41	22.16	23.00
10	16QAM	1	49	22.05	22.26	22.02	23.00
10	16QAM	25	0	20.75	21.02	20.97	22.00



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10	16QAM	25	12	20.96	21.11	20.81	22.00
10	16QAM	25	25	20.96	21.05	20.87	22.00
10	16QAM	50	0	20.76	21.13	20.93	22.00
10	64QAM	1	0	21.06	21.22	21.13	22.00
10	64QAM	1	25	21.03	21.16	20.99	22.00
10	64QAM	1	49	21.00	21.20	20.90	22.00
10	64QAM	25	0	19.93	20.01	19.83	21.00
10	64QAM	25	12	19.92	20.17	19.94	21.00
10	64QAM	25	25	19.94	20.10	19.96	21.00
10	64QAM	50	0	19.81	20.12	19.81	21.00
10	256QAM	1	0	17.98	18.11	17.99	19.00
10	256QAM	1	25	18.00	18.33	18.07	19.00
10	256QAM	1	49	18.07	18.32	18.10	19.00
10	256QAM	25	0	17.87	18.05	17.88	19.00
10	256QAM	25	12	18.11	18.21	18.19	19.00
10	256QAM	25	25	18.02	18.23	18.03	19.00
10	256QAM	50	0	17.97	18.17	17.93	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.90	23.03	22.91	24.00
5	QPSK	1	12	22.80	23.06	22.88	24.00
5	QPSK	1	24	22.58	22.92	22.66	24.00
5	QPSK	12	0	21.95	22.17	22.02	23.00
5	QPSK	12	7	21.94	22.24	22.03	23.00
5	QPSK	12	13	21.98	22.17	21.90	23.00
5	QPSK	25	0	21.91	22.09	21.92	23.00
5	16QAM	1	0	22.00	22.25	21.99	23.00
5	16QAM	1	12	22.18	22.41	22.20	23.00
5	16QAM	1	24	22.07	22.24	22.00	23.00
5	16QAM	12	0	20.80	21.05	20.90	22.00
5	16QAM	12	7	20.88	21.12	20.90	22.00
5	16QAM	12	13	21.00	21.10	20.91	22.00
5	16QAM	25	0	20.87	21.02	20.98	22.00
5	64QAM	1	0	21.11	21.25	21.07	22.00
5	64QAM	1	12	21.07	21.18	21.06	22.00
5	64QAM	1	24	20.90	21.26	21.01	22.00
5	64QAM	12	0	19.88	20.06	19.84	21.00
5	64QAM	12	7	20.02	20.14	19.94	21.00
5	64QAM	12	13	20.06	20.22	20.04	21.00
5	64QAM	25	0	19.86	20.06	19.90	21.00
5	256QAM	1	0	17.93	18.15	17.88	19.00
5	256QAM	1	12	18.06	18.27	18.03	19.00
5	256QAM	1	24	18.02	18.23	18.02	19.00
5	256QAM	12	0	17.82	18.04	17.81	19.00
5	256QAM	12	7	18.15	18.28	18.12	19.00
5	256QAM	12	13	18.04	18.26	18.03	19.00
5	256QAM	25	0	17.91	18.16	17.90	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.98	23.04	23.02	24.00
3	QPSK	1	8	22.80	23.07	22.85	24.00
3	QPSK	1	14	22.58	22.91	22.60	24.00
3	QPSK	8	0	21.90	22.23	22.08	23.00
3	QPSK	8	4	21.94	22.18	21.95	23.00
3	QPSK	8	7	21.97	22.15	21.90	23.00
3	QPSK	15	0	21.94	22.05	22.00	23.00
3	16QAM	1	0	22.10	22.22	22.12	23.00
3	16QAM	1	8	22.17	22.34	22.17	23.00
3	16QAM	1	14	22.06	22.20	22.03	23.00
3	16QAM	8	0	20.86	21.07	20.92	22.00
3	16QAM	8	4	20.92	21.03	20.80	22.00
3	16QAM	8	7	20.93	21.17	20.90	22.00
3	16QAM	15	0	20.74	21.01	20.89	22.00
3	64QAM	1	0	20.99	21.20	21.11	22.00
3	64QAM	1	8	20.97	21.26	21.00	22.00
3	64QAM	1	14	20.99	21.21	20.96	22.00
3	64QAM	8	0	19.95	20.11	19.84	21.00
3	64QAM	8	4	19.94	20.09	20.01	21.00
3	64QAM	8	7	19.97	20.15	20.02	21.00
3	64QAM	15	0	19.86	20.07	19.88	21.00
3	256QAM	1	0	18.00	18.21	17.88	19.00
3	256QAM	1	8	18.01	18.29	18.05	19.00
3	256QAM	1	14	18.02	18.27	18.15	19.00
3	256QAM	8	0	17.91	18.12	17.82	19.00
3	256QAM	8	4	18.08	18.28	18.12	19.00
3	256QAM	8	7	18.05	18.15	17.93	19.00
3	256QAM	15	0	18.03	18.09	17.91	19.00
Channel				18607	18900	19193	Tune-up limit



Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	22.97	23.07	22.96	24.00
1.4	QPSK	1	3	22.78	23.05	22.83	24.00
1.4	QPSK	1	5	22.65	22.93	22.56	24.00
1.4	QPSK	3	0	22.96	23.17	22.96	24.00
1.4	QPSK	3	1	22.94	23.16	22.98	24.00
1.4	QPSK	3	3	22.99	23.18	22.92	24.00
1.4	QPSK	6	0	21.83	22.05	21.91	23.00
1.4	16QAM	1	0	22.05	22.25	22.09	23.00
1.4	16QAM	1	3	22.08	22.31	22.13	23.00
1.4	16QAM	1	5	21.99	22.24	22.09	23.00
1.4	16QAM	3	0	21.75	22.06	21.95	23.00
1.4	16QAM	3	1	21.91	22.11	21.81	23.00
1.4	16QAM	3	3	22.00	22.06	21.81	23.00
1.4	16QAM	6	0	20.86	21.11	20.93	22.00
1.4	64QAM	1	0	21.01	21.30	21.11	22.00
1.4	64QAM	1	3	21.00	21.20	20.99	22.00
1.4	64QAM	1	5	21.00	21.20	20.92	22.00
1.4	64QAM	3	0	20.95	21.00	20.86	22.00
1.4	64QAM	3	1	20.89	21.12	21.00	22.00
1.4	64QAM	3	3	21.02	21.23	21.06	22.00
1.4	64QAM	6	0	19.81	20.08	19.79	21.00
1.4	256QAM	1	0	17.92	18.15	17.95	19.00
1.4	256QAM	1	3	18.02	18.29	18.04	19.00
1.4	256QAM	1	5	18.09	18.28	18.05	19.00
1.4	256QAM	3	0	17.88	18.14	17.87	19.00
1.4	256QAM	3	1	18.19	18.29	18.09	19.00
1.4	256QAM	3	3	18.10	18.16	17.95	19.00
1.4	256QAM	6	0	17.99	18.20	17.93	19.00

【LTE Band 2_Ant 1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.04	23.18	23.05	24.00
20	QPSK	1	49	22.90	23.15	22.97	24.00
20	QPSK	1	99	22.69	22.98	22.70	24.00
20	QPSK	50	0	22.01	22.29	22.11	23.00
20	QPSK	50	24	22.08	22.28	22.07	23.00
20	QPSK	50	50	22.04	22.21	22.03	23.00
20	QPSK	100	0	21.96	22.19	22.01	23.00
20	16QAM	1	0	22.13	22.34	22.13	23.00
20	16QAM	1	49	22.20	22.43	22.28	23.00
20	16QAM	1	99	22.10	22.27	22.11	23.00
20	16QAM	50	0	20.90	21.14	20.99	22.00
20	16QAM	50	24	21.01	21.15	20.92	22.00
20	16QAM	50	50	21.03	21.20	20.93	22.00
20	16QAM	100	0	20.88	21.15	21.01	22.00
20	64QAM	1	0	21.13	21.33	21.19	22.00
20	64QAM	1	49	21.12	21.28	21.11	22.00
20	64QAM	1	99	21.03	21.29	21.05	22.00
20	64QAM	50	0	19.97	20.13	19.90	21.00
20	64QAM	50	24	20.04	20.23	20.06	21.00
20	64QAM	50	50	20.08	20.24	20.07	21.00
20	64QAM	100	0	19.92	20.18	19.93	21.00
20	256QAM	1	0	18.03	18.23	18.03	19.00
20	256QAM	1	49	18.14	18.36	18.13	19.00
20	256QAM	1	99	18.12	18.33	18.17	19.00
20	256QAM	50	0	17.95	18.15	17.92	19.00
20	256QAM	50	24	18.22	18.35	18.23	19.00
20	256QAM	50	50	18.15	18.29	18.06	19.00
20	256QAM	100	0	18.06	18.21	18.03	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.95	23.07	22.94	24.00
15	QPSK	1	37	22.81	23.10	22.91	24.00
15	QPSK	1	74	22.62	22.96	22.57	24.00
15	QPSK	36	0	21.93	22.26	22.08	23.00
15	QPSK	36	20	21.98	22.25	22.00	23.00
15	QPSK	36	39	21.99	22.11	22.01	23.00
15	QPSK	75	0	21.88	22.07	21.94	23.00



15	16QAM	1	0	22.07	22.27	22.04	23.00
15	16QAM	1	37	22.19	22.40	22.26	23.00
15	16QAM	1	74	22.06	22.26	22.06	23.00
15	16QAM	36	0	20.87	21.01	20.92	22.00
15	16QAM	36	20	20.96	21.09	20.82	22.00
15	16QAM	36	39	20.92	21.15	20.86	22.00
15	16QAM	75	0	20.77	21.10	20.94	22.00
15	64QAM	1	0	21.11	21.31	21.11	22.00
15	64QAM	1	37	21.10	21.17	21.04	22.00
15	64QAM	1	74	20.90	21.20	21.04	22.00
15	64QAM	36	0	19.92	20.11	19.78	21.00
15	64QAM	36	20	19.92	20.21	20.01	21.00
15	64QAM	36	39	19.94	20.20	19.92	21.00
15	64QAM	75	0	19.86	20.10	19.86	21.00
15	256QAM	1	0	18.00	18.09	17.96	19.00
15	256QAM	1	37	18.10	18.24	18.02	19.00
15	256QAM	1	74	18.06	18.27	18.06	19.00
15	256QAM	36	0	17.92	18.08	17.87	19.00
15	256QAM	36	20	18.11	18.29	18.09	19.00
15	256QAM	36	39	18.08	18.27	17.92	19.00
15	256QAM	75	0	18.04	18.19	17.90	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	22.93	23.13	22.92	24.00
10	QPSK	1	25	22.82	23.01	22.83	24.00
10	QPSK	1	49	22.55	22.88	22.57	24.00
10	QPSK	25	0	21.89	22.21	22.03	23.00
10	QPSK	25	12	21.93	22.18	21.92	23.00
10	QPSK	25	25	21.96	22.16	21.88	23.00
10	QPSK	50	0	21.84	22.07	21.93	23.00
10	16QAM	1	0	22.06	22.25	22.10	23.00
10	16QAM	1	25	22.15	22.41	22.16	23.00
10	16QAM	1	49	22.05	22.26	22.02	23.00
10	16QAM	25	0	20.75	21.02	20.97	22.00
10	16QAM	25	12	20.96	21.11	20.81	22.00
10	16QAM	25	25	20.96	21.05	20.87	22.00
10	16QAM	50	0	20.76	21.13	20.93	22.00
10	64QAM	1	0	21.06	21.22	21.13	22.00
10	64QAM	1	25	21.03	21.16	20.99	22.00
10	64QAM	1	49	21.00	21.20	20.90	22.00
10	64QAM	25	0	19.93	20.01	19.83	21.00
10	64QAM	25	12	19.92	20.17	19.94	21.00
10	64QAM	25	25	19.94	20.10	19.96	21.00
10	64QAM	50	0	19.81	20.12	19.81	21.00
10	256QAM	1	0	17.98	18.11	17.99	19.00
10	256QAM	1	25	18.00	18.33	18.07	19.00
10	256QAM	1	49	18.07	18.32	18.10	19.00
10	256QAM	25	0	17.87	18.05	17.88	19.00
10	256QAM	25	12	18.11	18.21	18.19	19.00
10	256QAM	25	25	18.02	18.23	18.03	19.00
10	256QAM	50	0	17.97	18.17	17.93	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.90	23.03	22.91	24.00
5	QPSK	1	12	22.80	23.06	22.88	24.00
5	QPSK	1	24	22.58	22.92	22.66	24.00
5	QPSK	12	0	21.95	22.17	22.02	23.00
5	QPSK	12	7	21.94	22.24	22.03	23.00
5	QPSK	12	13	21.98	22.17	21.90	23.00
5	QPSK	25	0	21.91	22.09	21.92	23.00
5	16QAM	1	0	22.00	22.25	21.99	23.00
5	16QAM	1	12	22.18	22.41	22.20	23.00
5	16QAM	1	24	22.07	22.24	22.00	23.00
5	16QAM	12	0	20.80	21.05	20.90	22.00
5	16QAM	12	7	20.88	21.12	20.90	22.00
5	16QAM	12	13	21.00	21.10	20.91	22.00
5	16QAM	25	0	20.87	21.02	20.98	22.00
5	64QAM	1	0	21.11	21.25	21.07	22.00
5	64QAM	1	12	21.07	21.18	21.06	22.00
5	64QAM	1	24	20.90	21.26	21.01	22.00
5	64QAM	12	0	19.88	20.06	19.84	21.00
5	64QAM	12	7	20.02	20.14	19.94	21.00
5	64QAM	12	13	20.06	20.22	20.04	21.00
5	64QAM	25	0	19.86	20.06	19.90	21.00
5	256QAM	1	0	17.93	18.15	17.88	19.00
5	256QAM	1	12	18.06	18.27	18.03	19.00
5	256QAM	1	24	18.02	18.23	18.02	19.00
5	256QAM	12	0	17.82	18.04	17.81	19.00



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5	256QAM	12	7	18.15	18.28	18.12	19.00
5	256QAM	12	13	18.04	18.26	18.03	19.00
5	256QAM	25	0	17.91	18.16	17.90	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.98	23.04	23.02	24.00
3	QPSK	1	8	22.80	23.07	22.85	24.00
3	QPSK	1	14	22.58	22.91	22.60	24.00
3	QPSK	8	0	21.90	22.23	22.08	23.00
3	QPSK	8	4	21.94	22.18	21.95	23.00
3	QPSK	8	7	21.97	22.15	21.90	23.00
3	QPSK	15	0	21.94	22.05	22.00	23.00
3	16QAM	1	0	22.10	22.22	22.12	23.00
3	16QAM	1	8	22.17	22.34	22.17	23.00
3	16QAM	1	14	22.06	22.20	22.03	23.00
3	16QAM	8	0	20.86	21.07	20.92	22.00
3	16QAM	8	4	20.92	21.03	20.80	22.00
3	16QAM	8	7	20.93	21.17	20.90	22.00
3	16QAM	15	0	20.74	21.01	20.89	22.00
3	64QAM	1	0	20.99	21.20	21.11	22.00
3	64QAM	1	8	20.97	21.26	21.00	22.00
3	64QAM	1	14	20.99	21.21	20.96	22.00
3	64QAM	8	0	19.95	20.11	19.84	21.00
3	64QAM	8	4	19.94	20.09	20.01	21.00
3	64QAM	8	7	19.97	20.15	20.02	21.00
3	64QAM	15	0	19.86	20.07	19.88	21.00
3	256QAM	1	0	18.00	18.21	17.88	19.00
3	256QAM	1	8	18.01	18.29	18.05	19.00
3	256QAM	1	14	18.02	18.27	18.15	19.00
3	256QAM	8	0	17.91	18.12	17.82	19.00
3	256QAM	8	4	18.08	18.28	18.12	19.00
3	256QAM	8	7	18.05	18.15	17.93	19.00
3	256QAM	15	0	18.03	18.09	17.91	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.97	23.07	22.96	24.00
1.4	QPSK	1	3	22.78	23.05	22.83	24.00
1.4	QPSK	1	5	22.65	22.93	22.56	24.00
1.4	QPSK	3	0	22.96	23.17	22.96	24.00
1.4	QPSK	3	1	22.94	23.16	22.98	24.00
1.4	QPSK	3	3	22.99	23.18	22.92	24.00
1.4	QPSK	6	0	21.83	22.05	21.91	23.00
1.4	16QAM	1	0	22.05	22.25	22.09	23.00
1.4	16QAM	1	3	22.08	22.31	22.13	23.00
1.4	16QAM	1	5	21.99	22.24	22.09	23.00
1.4	16QAM	3	0	21.75	22.06	21.95	23.00
1.4	16QAM	3	1	21.91	22.11	21.81	23.00
1.4	16QAM	3	3	22.00	22.06	21.81	23.00
1.4	16QAM	6	0	20.86	21.11	20.93	22.00
1.4	64QAM	1	0	21.01	21.30	21.11	22.00
1.4	64QAM	1	3	21.00	21.20	20.99	22.00
1.4	64QAM	1	5	21.00	21.20	20.92	22.00
1.4	64QAM	3	0	20.95	21.00	20.86	22.00
1.4	64QAM	3	1	20.89	21.12	21.00	22.00
1.4	64QAM	3	3	21.02	21.23	21.06	22.00
1.4	64QAM	6	0	19.81	20.08	19.79	21.00
1.4	256QAM	1	0	17.92	18.15	17.95	19.00
1.4	256QAM	1	3	18.02	18.29	18.04	19.00
1.4	256QAM	1	5	18.09	18.28	18.05	19.00
1.4	256QAM	3	0	17.88	18.14	17.87	19.00
1.4	256QAM	3	1	18.19	18.29	18.09	19.00
1.4	256QAM	3	3	18.10	18.16	17.95	19.00
1.4	256QAM	6	0	17.99	18.20	17.93	19.00



【LTE Band 2_Ant 1_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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.04	23.18	23.05	24.00
20	QPSK	1	49	22.90	23.15	22.97	24.00
20	QPSK	1	99	22.69	22.98	22.70	24.00
20	QPSK	50	0	22.01	22.29	22.11	23.00
20	QPSK	50	24	22.08	22.28	22.07	23.00
20	QPSK	50	50	22.04	22.21	22.03	23.00
20	QPSK	100	0	21.96	22.19	22.01	23.00
20	16QAM	1	0	22.13	22.34	22.13	23.00
20	16QAM	1	49	22.20	22.43	22.28	23.00
20	16QAM	1	99	22.10	22.27	22.11	23.00
20	16QAM	50	0	20.90	21.14	20.99	22.00
20	16QAM	50	24	21.01	21.15	20.92	22.00
20	16QAM	50	50	21.03	21.20	20.93	22.00
20	16QAM	100	0	20.88	21.15	21.01	22.00
20	64QAM	1	0	21.13	21.33	21.19	22.00
20	64QAM	1	49	21.12	21.28	21.11	22.00
20	64QAM	1	99	21.03	21.29	21.05	22.00
20	64QAM	50	0	19.97	20.13	19.90	21.00
20	64QAM	50	24	20.04	20.23	20.06	21.00
20	64QAM	50	50	20.08	20.24	20.07	21.00
20	64QAM	100	0	19.92	20.18	19.93	21.00
20	256QAM	1	0	18.03	18.23	18.03	19.00
20	256QAM	1	49	18.14	18.36	18.13	19.00
20	256QAM	1	99	18.12	18.33	18.17	19.00
20	256QAM	50	0	17.95	18.15	17.92	19.00
20	256QAM	50	24	18.22	18.35	18.23	19.00
20	256QAM	50	50	18.15	18.29	18.06	19.00
20	256QAM	100	0	18.06	18.21	18.03	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.95	23.07	22.94	24.00
15	QPSK	1	37	22.81	23.10	22.91	24.00
15	QPSK	1	74	22.62	22.96	22.57	24.00
15	QPSK	36	0	21.93	22.26	22.08	23.00
15	QPSK	36	20	21.98	22.25	22.00	23.00
15	QPSK	36	39	21.99	22.11	22.01	23.00
15	QPSK	75	0	21.88	22.07	21.94	23.00
15	16QAM	1	0	22.07	22.27	22.04	23.00
15	16QAM	1	37	22.19	22.40	22.26	23.00
15	16QAM	1	74	22.06	22.26	22.06	23.00
15	16QAM	36	0	20.87	21.01	20.92	22.00
15	16QAM	36	20	20.96	21.09	20.82	22.00
15	16QAM	36	39	20.92	21.15	20.86	22.00
15	16QAM	75	0	20.77	21.10	20.94	22.00
15	64QAM	1	0	21.11	21.31	21.11	22.00
15	64QAM	1	37	21.10	21.17	21.04	22.00
15	64QAM	1	74	20.90	21.20	21.04	22.00
15	64QAM	36	0	19.92	20.11	19.78	21.00
15	64QAM	36	20	19.92	20.21	20.01	21.00
15	64QAM	36	39	19.94	20.20	19.92	21.00
15	64QAM	75	0	19.86	20.10	19.86	21.00
15	256QAM	1	0	18.00	18.09	17.96	19.00
15	256QAM	1	37	18.10	18.24	18.02	19.00
15	256QAM	1	74	18.06	18.27	18.06	19.00
15	256QAM	36	0	17.92	18.08	17.87	19.00
15	256QAM	36	20	18.11	18.29	18.09	19.00
15	256QAM	36	39	18.08	18.27	17.92	19.00
15	256QAM	75	0	18.04	18.19	17.90	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.93	23.13	22.92	24.00
10	QPSK	1	25	22.82	23.01	22.83	24.00
10	QPSK	1	49	22.55	22.88	22.57	24.00
10	QPSK	25	0	21.89	22.21	22.03	23.00
10	QPSK	25	12	21.93	22.18	21.92	23.00
10	QPSK	25	25	21.96	22.16	21.88	23.00
10	QPSK	50	0	21.84	22.07	21.93	23.00
10	16QAM	1	0	22.06	22.25	22.10	23.00
10	16QAM	1	25	22.15	22.41	22.16	23.00
10	16QAM	1	49	22.05	22.26	22.02	23.00
10	16QAM	25	0	20.75	21.02	20.97	22.00



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10	16QAM	25	12	20.96	21.11	20.81	22.00
10	16QAM	25	25	20.96	21.05	20.87	22.00
10	16QAM	50	0	20.76	21.13	20.93	22.00
10	64QAM	1	0	21.06	21.22	21.13	22.00
10	64QAM	1	25	21.03	21.16	20.99	22.00
10	64QAM	1	49	21.00	21.20	20.90	22.00
10	64QAM	25	0	19.93	20.01	19.83	21.00
10	64QAM	25	12	19.92	20.17	19.94	21.00
10	64QAM	25	25	19.94	20.10	19.96	21.00
10	64QAM	50	0	19.81	20.12	19.81	21.00
10	256QAM	1	0	17.98	18.11	17.99	19.00
10	256QAM	1	25	18.00	18.33	18.07	19.00
10	256QAM	1	49	18.07	18.32	18.10	19.00
10	256QAM	25	0	17.87	18.05	17.88	19.00
10	256QAM	25	12	18.11	18.21	18.19	19.00
10	256QAM	25	25	18.02	18.23	18.03	19.00
10	256QAM	50	0	17.97	18.17	17.93	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.90	23.03	22.91	24.00
5	QPSK	1	12	22.80	23.06	22.88	24.00
5	QPSK	1	24	22.58	22.92	22.66	24.00
5	QPSK	12	0	21.95	22.17	22.02	23.00
5	QPSK	12	7	21.94	22.24	22.03	23.00
5	QPSK	12	13	21.98	22.17	21.90	23.00
5	QPSK	25	0	21.91	22.09	21.92	23.00
5	16QAM	1	0	22.00	22.25	21.99	23.00
5	16QAM	1	12	22.18	22.41	22.20	23.00
5	16QAM	1	24	22.07	22.24	22.00	23.00
5	16QAM	12	0	20.80	21.05	20.90	22.00
5	16QAM	12	7	20.88	21.12	20.90	22.00
5	16QAM	12	13	21.00	21.10	20.91	22.00
5	16QAM	25	0	20.87	21.02	20.98	22.00
5	64QAM	1	0	21.11	21.25	21.07	22.00
5	64QAM	1	12	21.07	21.18	21.06	22.00
5	64QAM	1	24	20.90	21.26	21.01	22.00
5	64QAM	12	0	19.88	20.06	19.84	21.00
5	64QAM	12	7	20.02	20.14	19.94	21.00
5	64QAM	12	13	20.06	20.22	20.04	21.00
5	64QAM	25	0	19.86	20.06	19.90	21.00
5	256QAM	1	0	17.93	18.15	17.88	19.00
5	256QAM	1	12	18.06	18.27	18.03	19.00
5	256QAM	1	24	18.02	18.23	18.02	19.00
5	256QAM	12	0	17.82	18.04	17.81	19.00
5	256QAM	12	7	18.15	18.28	18.12	19.00
5	256QAM	12	13	18.04	18.26	18.03	19.00
5	256QAM	25	0	17.91	18.16	17.90	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.98	23.04	23.02	24.00
3	QPSK	1	8	22.80	23.07	22.85	24.00
3	QPSK	1	14	22.58	22.91	22.60	24.00
3	QPSK	8	0	21.90	22.23	22.08	23.00
3	QPSK	8	4	21.94	22.18	21.95	23.00
3	QPSK	8	7	21.97	22.15	21.90	23.00
3	QPSK	15	0	21.94	22.05	22.00	23.00
3	16QAM	1	0	22.10	22.22	22.12	23.00
3	16QAM	1	8	22.17	22.34	22.17	23.00
3	16QAM	1	14	22.06	22.20	22.03	23.00
3	16QAM	8	0	20.86	21.07	20.92	22.00
3	16QAM	8	4	20.92	21.03	20.80	22.00
3	16QAM	8	7	20.93	21.17	20.90	22.00
3	16QAM	15	0	20.74	21.01	20.89	22.00
3	64QAM	1	0	20.99	21.20	21.11	22.00
3	64QAM	1	8	20.97	21.26	21.00	22.00
3	64QAM	1	14	20.99	21.21	20.96	22.00
3	64QAM	8	0	19.95	20.11	19.84	21.00
3	64QAM	8	4	19.94	20.09	20.01	21.00
3	64QAM	8	7	19.97	20.15	20.02	21.00
3	64QAM	15	0	19.86	20.07	19.88	21.00
3	256QAM	1	0	18.00	18.21	17.88	19.00
3	256QAM	1	8	18.01	18.29	18.05	19.00
3	256QAM	1	14	18.02	18.27	18.15	19.00
3	256QAM	8	0	17.91	18.12	17.82	19.00
3	256QAM	8	4	18.08	18.28	18.12	19.00
3	256QAM	8	7	18.05	18.15	17.93	19.00
3	256QAM	15	0	18.03	18.09	17.91	19.00
Channel				18607	18900	19193	Tune-up limit



Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	22.97	23.07	22.96	24.00
1.4	QPSK	1	3	22.78	23.05	22.83	24.00
1.4	QPSK	1	5	22.65	22.93	22.56	24.00
1.4	QPSK	3	0	22.96	23.17	22.96	24.00
1.4	QPSK	3	1	22.94	23.16	22.98	24.00
1.4	QPSK	3	3	22.99	23.18	22.92	24.00
1.4	QPSK	6	0	21.83	22.05	21.91	23.00
1.4	16QAM	1	0	22.05	22.25	22.09	23.00
1.4	16QAM	1	3	22.08	22.31	22.13	23.00
1.4	16QAM	1	5	21.99	22.24	22.09	23.00
1.4	16QAM	3	0	21.75	22.06	21.95	23.00
1.4	16QAM	3	1	21.91	22.11	21.81	23.00
1.4	16QAM	3	3	22.00	22.06	21.81	23.00
1.4	16QAM	6	0	20.86	21.11	20.93	22.00
1.4	64QAM	1	0	21.01	21.30	21.11	22.00
1.4	64QAM	1	3	21.00	21.20	20.99	22.00
1.4	64QAM	1	5	21.00	21.20	20.92	22.00
1.4	64QAM	3	0	20.95	21.00	20.86	22.00
1.4	64QAM	3	1	20.89	21.12	21.00	22.00
1.4	64QAM	3	3	21.02	21.23	21.06	22.00
1.4	64QAM	6	0	19.81	20.08	19.79	21.00
1.4	256QAM	1	0	17.92	18.15	17.95	19.00
1.4	256QAM	1	3	18.02	18.29	18.04	19.00
1.4	256QAM	1	5	18.09	18.28	18.05	19.00
1.4	256QAM	3	0	17.88	18.14	17.87	19.00
1.4	256QAM	3	1	18.19	18.29	18.09	19.00
1.4	256QAM	3	3	18.10	18.16	17.95	19.00
1.4	256QAM	6	0	17.99	18.20	17.93	19.00

【LTE Band 2_Ant 1_Hotspot 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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.04	23.18	23.05	24.00
20	QPSK	1	49	22.90	23.15	22.97	24.00
20	QPSK	1	99	22.69	22.98	22.70	24.00
20	QPSK	50	0	22.01	22.29	22.11	23.00
20	QPSK	50	24	22.08	22.28	22.07	23.00
20	QPSK	50	50	22.04	22.21	22.03	23.00
20	QPSK	100	0	21.96	22.19	22.01	23.00
20	16QAM	1	0	22.13	22.34	22.13	23.00
20	16QAM	1	49	22.20	22.43	22.28	23.00
20	16QAM	1	99	22.10	22.27	22.11	23.00
20	16QAM	50	0	20.90	21.14	20.99	22.00
20	16QAM	50	24	21.01	21.15	20.92	22.00
20	16QAM	50	50	21.03	21.20	20.93	22.00
20	16QAM	100	0	20.88	21.15	21.01	22.00
20	64QAM	1	0	21.13	21.33	21.19	22.00
20	64QAM	1	49	21.12	21.28	21.11	22.00
20	64QAM	1	99	21.03	21.29	21.05	22.00
20	64QAM	50	0	19.97	20.13	19.90	21.00
20	64QAM	50	24	20.04	20.23	20.06	21.00
20	64QAM	50	50	20.08	20.24	20.07	21.00
20	64QAM	100	0	19.92	20.18	19.93	21.00
20	256QAM	1	0	18.03	18.23	18.03	19.00
20	256QAM	1	49	18.14	18.36	18.13	19.00
20	256QAM	1	99	18.12	18.33	18.17	19.00
20	256QAM	50	0	17.95	18.15	17.92	19.00
20	256QAM	50	24	18.22	18.35	18.23	19.00
20	256QAM	50	50	18.15	18.29	18.06	19.00
20	256QAM	100	0	18.06	18.21	18.03	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.95	23.07	22.94	24.00
15	QPSK	1	37	22.81	23.10	22.91	24.00
15	QPSK	1	74	22.62	22.96	22.57	24.00
15	QPSK	36	0	21.93	22.26	22.08	23.00
15	QPSK	36	20	21.98	22.25	22.00	23.00
15	QPSK	36	39	21.99	22.11	22.01	23.00
15	QPSK	75	0	21.88	22.07	21.94	23.00



15	16QAM	1	0	22.07	22.27	22.04	23.00
15	16QAM	1	37	22.19	22.40	22.26	23.00
15	16QAM	1	74	22.06	22.26	22.06	23.00
15	16QAM	36	0	20.87	21.01	20.92	22.00
15	16QAM	36	20	20.96	21.09	20.82	22.00
15	16QAM	36	39	20.92	21.15	20.86	22.00
15	16QAM	75	0	20.77	21.10	20.94	22.00
15	64QAM	1	0	21.11	21.31	21.11	22.00
15	64QAM	1	37	21.10	21.17	21.04	22.00
15	64QAM	1	74	20.90	21.20	21.04	22.00
15	64QAM	36	0	19.92	20.11	19.78	21.00
15	64QAM	36	20	19.92	20.21	20.01	21.00
15	64QAM	36	39	19.94	20.20	19.92	21.00
15	64QAM	75	0	19.86	20.10	19.86	21.00
15	256QAM	1	0	18.00	18.09	17.96	19.00
15	256QAM	1	37	18.10	18.24	18.02	19.00
15	256QAM	1	74	18.06	18.27	18.06	19.00
15	256QAM	36	0	17.92	18.08	17.87	19.00
15	256QAM	36	20	18.11	18.29	18.09	19.00
15	256QAM	36	39	18.08	18.27	17.92	19.00
15	256QAM	75	0	18.04	18.19	17.90	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	22.93	23.13	22.92	24.00
10	QPSK	1	25	22.82	23.01	22.83	24.00
10	QPSK	1	49	22.55	22.88	22.57	24.00
10	QPSK	25	0	21.89	22.21	22.03	23.00
10	QPSK	25	12	21.93	22.18	21.92	23.00
10	QPSK	25	25	21.96	22.16	21.88	23.00
10	QPSK	50	0	21.84	22.07	21.93	23.00
10	16QAM	1	0	22.06	22.25	22.10	23.00
10	16QAM	1	25	22.15	22.41	22.16	23.00
10	16QAM	1	49	22.05	22.26	22.02	23.00
10	16QAM	25	0	20.75	21.02	20.97	22.00
10	16QAM	25	12	20.96	21.11	20.81	22.00
10	16QAM	25	25	20.96	21.05	20.87	22.00
10	16QAM	50	0	20.76	21.13	20.93	22.00
10	64QAM	1	0	21.06	21.22	21.13	22.00
10	64QAM	1	25	21.03	21.16	20.99	22.00
10	64QAM	1	49	21.00	21.20	20.90	22.00
10	64QAM	25	0	19.93	20.01	19.83	21.00
10	64QAM	25	12	19.92	20.17	19.94	21.00
10	64QAM	25	25	19.94	20.10	19.96	21.00
10	64QAM	50	0	19.81	20.12	19.81	21.00
10	256QAM	1	0	17.98	18.11	17.99	19.00
10	256QAM	1	25	18.00	18.33	18.07	19.00
10	256QAM	1	49	18.07	18.32	18.10	19.00
10	256QAM	25	0	17.87	18.05	17.88	19.00
10	256QAM	25	12	18.11	18.21	18.19	19.00
10	256QAM	25	25	18.02	18.23	18.03	19.00
10	256QAM	50	0	17.97	18.17	17.93	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.90	23.03	22.91	24.00
5	QPSK	1	12	22.80	23.06	22.88	24.00
5	QPSK	1	24	22.58	22.92	22.66	24.00
5	QPSK	12	0	21.95	22.17	22.02	23.00
5	QPSK	12	7	21.94	22.24	22.03	23.00
5	QPSK	12	13	21.98	22.17	21.90	23.00
5	QPSK	25	0	21.91	22.09	21.92	23.00
5	16QAM	1	0	22.00	22.25	21.99	23.00
5	16QAM	1	12	22.18	22.41	22.20	23.00
5	16QAM	1	24	22.07	22.24	22.00	23.00
5	16QAM	12	0	20.80	21.05	20.90	22.00
5	16QAM	12	7	20.88	21.12	20.90	22.00
5	16QAM	12	13	21.00	21.10	20.91	22.00
5	16QAM	25	0	20.87	21.02	20.98	22.00
5	64QAM	1	0	21.11	21.25	21.07	22.00
5	64QAM	1	12	21.07	21.18	21.06	22.00
5	64QAM	1	24	20.90	21.26	21.01	22.00
5	64QAM	12	0	19.88	20.06	19.84	21.00
5	64QAM	12	7	20.02	20.14	19.94	21.00
5	64QAM	12	13	20.06	20.22	20.04	21.00
5	64QAM	25	0	19.86	20.06	19.90	21.00
5	256QAM	1	0	17.93	18.15	17.88	19.00
5	256QAM	1	12	18.06	18.27	18.03	19.00
5	256QAM	1	24	18.02	18.23	18.02	19.00
5	256QAM	12	0	17.82	18.04	17.81	19.00



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5	256QAM	12	7	18.15	18.28	18.12	19.00
5	256QAM	12	13	18.04	18.26	18.03	19.00
5	256QAM	25	0	17.91	18.16	17.90	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.98	23.04	23.02	24.00
3	QPSK	1	8	22.80	23.07	22.85	24.00
3	QPSK	1	14	22.58	22.91	22.60	24.00
3	QPSK	8	0	21.90	22.23	22.08	23.00
3	QPSK	8	4	21.94	22.18	21.95	23.00
3	QPSK	8	7	21.97	22.15	21.90	23.00
3	QPSK	15	0	21.94	22.05	22.00	23.00
3	16QAM	1	0	22.10	22.22	22.12	23.00
3	16QAM	1	8	22.17	22.34	22.17	23.00
3	16QAM	1	14	22.06	22.20	22.03	23.00
3	16QAM	8	0	20.86	21.07	20.92	22.00
3	16QAM	8	4	20.92	21.03	20.80	22.00
3	16QAM	8	7	20.93	21.17	20.90	22.00
3	16QAM	15	0	20.74	21.01	20.89	22.00
3	64QAM	1	0	20.99	21.20	21.11	22.00
3	64QAM	1	8	20.97	21.26	21.00	22.00
3	64QAM	1	14	20.99	21.21	20.96	22.00
3	64QAM	8	0	19.95	20.11	19.84	21.00
3	64QAM	8	4	19.94	20.09	20.01	21.00
3	64QAM	8	7	19.97	20.15	20.02	21.00
3	64QAM	15	0	19.86	20.07	19.88	21.00
3	256QAM	1	0	18.00	18.21	17.88	19.00
3	256QAM	1	8	18.01	18.29	18.05	19.00
3	256QAM	1	14	18.02	18.27	18.15	19.00
3	256QAM	8	0	17.91	18.12	17.82	19.00
3	256QAM	8	4	18.08	18.28	18.12	19.00
3	256QAM	8	7	18.05	18.15	17.93	19.00
3	256QAM	15	0	18.03	18.09	17.91	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.97	23.07	22.96	24.00
1.4	QPSK	1	3	22.78	23.05	22.83	24.00
1.4	QPSK	1	5	22.65	22.93	22.56	24.00
1.4	QPSK	3	0	22.96	23.17	22.96	24.00
1.4	QPSK	3	1	22.94	23.16	22.98	24.00
1.4	QPSK	3	3	22.99	23.18	22.92	24.00
1.4	QPSK	6	0	21.83	22.05	21.91	23.00
1.4	16QAM	1	0	22.05	22.25	22.09	23.00
1.4	16QAM	1	3	22.08	22.31	22.13	23.00
1.4	16QAM	1	5	21.99	22.24	22.09	23.00
1.4	16QAM	3	0	21.75	22.06	21.95	23.00
1.4	16QAM	3	1	21.91	22.11	21.81	23.00
1.4	16QAM	3	3	22.00	22.06	21.81	23.00
1.4	16QAM	6	0	20.86	21.11	20.93	22.00
1.4	64QAM	1	0	21.01	21.30	21.11	22.00
1.4	64QAM	1	3	21.00	21.20	20.99	22.00
1.4	64QAM	1	5	21.00	21.20	20.92	22.00
1.4	64QAM	3	0	20.95	21.00	20.86	22.00
1.4	64QAM	3	1	20.89	21.12	21.00	22.00
1.4	64QAM	3	3	21.02	21.23	21.06	22.00
1.4	64QAM	6	0	19.81	20.08	19.79	21.00
1.4	256QAM	1	0	17.92	18.15	17.95	19.00
1.4	256QAM	1	3	18.02	18.29	18.04	19.00
1.4	256QAM	1	5	18.09	18.28	18.05	19.00
1.4	256QAM	3	0	17.88	18.14	17.87	19.00
1.4	256QAM	3	1	18.19	18.29	18.09	19.00
1.4	256QAM	3	3	18.10	18.16	17.95	19.00
1.4	256QAM	6	0	17.99	18.20	17.93	19.00



【LTE Band 2_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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.04	23.09	23.06	24.00
20	QPSK	1	49	22.90	23.09	23.02	24.00
20	QPSK	1	99	22.93	23.08	23.03	24.00
20	QPSK	50	0	22.10	22.18	22.05	23.00
20	QPSK	50	24	22.03	22.15	22.00	23.00
20	QPSK	50	50	22.09	22.16	22.02	23.00
20	QPSK	100	0	21.99	22.17	22.02	23.00
20	16QAM	1	0	22.19	22.28	22.22	23.00
20	16QAM	1	49	22.29	22.36	22.20	23.00
20	16QAM	1	99	22.11	22.28	22.17	23.00
20	16QAM	50	0	20.95	21.09	21.02	22.00
20	16QAM	50	24	21.02	21.14	21.01	22.00
20	16QAM	50	50	21.12	21.19	21.13	22.00
20	16QAM	100	0	21.07	21.16	21.08	22.00
20	64QAM	1	0	21.15	21.23	21.10	22.00
20	64QAM	1	49	21.09	21.16	21.02	22.00
20	64QAM	1	99	21.12	21.28	21.11	22.00
20	64QAM	50	0	19.99	20.16	20.01	21.00
20	64QAM	50	24	20.02	20.19	20.14	21.00
20	64QAM	50	50	20.10	20.20	20.14	21.00
20	64QAM	100	0	19.93	20.10	19.95	21.00
20	256QAM	1	0	18.10	18.20	18.07	19.00
20	256QAM	1	49	18.13	18.19	18.06	19.00
20	256QAM	1	99	18.15	18.25	18.09	19.00
20	256QAM	50	0	18.07	18.21	18.17	19.00
20	256QAM	50	24	18.05	18.16	18.11	19.00
20	256QAM	50	50	18.19	18.25	18.08	19.00
20	256QAM	100	0	18.02	18.16	18.09	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.90	22.99	22.98	24.00
15	QPSK	1	37	22.78	23.01	22.94	24.00
15	QPSK	1	74	22.90	22.98	22.90	24.00
15	QPSK	36	0	22.04	22.16	22.01	23.00
15	QPSK	36	20	21.94	22.11	21.89	23.00
15	QPSK	36	39	22.07	22.02	21.96	23.00
15	QPSK	75	0	21.90	22.09	21.93	23.00
15	16QAM	1	0	22.14	22.15	22.15	23.00
15	16QAM	1	37	22.16	22.23	22.10	23.00
15	16QAM	1	74	22.06	22.27	22.04	23.00
15	16QAM	36	0	20.93	21.03	21.00	22.00
15	16QAM	36	20	20.88	21.05	20.89	22.00
15	16QAM	36	39	20.98	21.08	21.00	22.00
15	16QAM	75	0	21.06	21.13	20.98	22.00
15	64QAM	1	0	21.04	21.22	21.05	22.00
15	64QAM	1	37	21.05	21.06	20.99	22.00
15	64QAM	1	74	21.05	21.20	21.02	22.00
15	64QAM	36	0	19.90	20.11	19.93	21.00
15	64QAM	36	20	19.93	20.15	20.03	21.00
15	64QAM	36	39	20.01	20.14	20.12	21.00
15	64QAM	75	0	19.81	19.96	19.81	21.00
15	256QAM	1	0	17.97	18.18	17.98	19.00
15	256QAM	1	37	18.04	18.14	18.02	19.00
15	256QAM	1	74	18.07	18.23	17.98	19.00
15	256QAM	36	0	17.97	18.20	18.03	19.00
15	256QAM	36	20	17.91	18.03	18.01	19.00
15	256QAM	36	39	18.09	18.11	17.96	19.00
15	256QAM	75	0	17.91	18.12	18.04	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.90	23.03	22.99	24.00
10	QPSK	1	25	22.85	23.01	22.98	24.00
10	QPSK	1	49	22.87	23.05	22.96	24.00
10	QPSK	25	0	22.08	22.04	22.01	23.00
10	QPSK	25	12	21.99	22.01	21.90	23.00
10	QPSK	25	25	21.96	22.09	21.94	23.00
10	QPSK	50	0	21.98	22.13	21.98	23.00
10	16QAM	1	0	22.06	22.25	22.14	23.00
10	16QAM	1	25	22.26	22.28	22.08	23.00
10	16QAM	1	49	21.98	22.15	22.02	23.00
10	16QAM	25	0	20.80	20.96	20.99	22.00



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10	16QAM	25	12	21.00	21.05	20.96	22.00
10	16QAM	25	25	21.10	21.07	21.03	22.00
10	16QAM	50	0	21.04	21.14	20.95	22.00
10	64QAM	1	0	21.05	21.16	21.05	22.00
10	64QAM	1	25	21.06	21.11	20.89	22.00
10	64QAM	1	49	21.06	21.21	21.05	22.00
10	64QAM	25	0	19.94	20.11	19.98	21.00
10	64QAM	25	12	19.98	20.14	20.12	21.00
10	64QAM	25	25	20.08	20.19	20.12	21.00
10	64QAM	50	0	19.89	19.96	19.88	21.00
10	256QAM	1	0	18.08	18.16	17.93	19.00
10	256QAM	1	25	18.06	18.14	17.97	19.00
10	256QAM	1	49	18.14	18.16	18.03	19.00
10	256QAM	25	0	18.03	18.19	18.08	19.00
10	256QAM	25	12	17.96	18.08	18.05	19.00
10	256QAM	25	25	18.07	18.15	17.95	19.00
10	256QAM	50	0	17.99	18.06	18.03	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.99	22.99	22.94	24.00
5	QPSK	1	12	22.82	23.01	22.92	24.00
5	QPSK	1	24	22.80	22.94	22.95	24.00
5	QPSK	12	0	22.03	22.15	22.01	23.00
5	QPSK	12	7	21.99	22.08	21.87	23.00
5	QPSK	12	13	22.08	22.01	21.95	23.00
5	QPSK	25	0	21.98	22.13	21.97	23.00
5	16QAM	1	0	22.13	22.15	22.16	23.00
5	16QAM	1	12	22.17	22.27	22.19	23.00
5	16QAM	1	24	22.08	22.23	22.04	23.00
5	16QAM	12	0	20.86	21.00	20.93	22.00
5	16QAM	12	7	20.96	21.03	20.93	22.00
5	16QAM	12	13	21.09	21.10	21.05	22.00
5	16QAM	25	0	21.06	21.12	20.96	22.00
5	64QAM	1	0	21.06	21.10	21.07	22.00
5	64QAM	1	12	20.94	21.10	20.94	22.00
5	64QAM	1	24	21.00	21.20	21.10	22.00
5	64QAM	12	0	19.90	20.07	19.91	21.00
5	64QAM	12	7	19.96	20.06	20.05	21.00
5	64QAM	12	13	20.06	20.19	20.11	21.00
5	64QAM	25	0	19.84	19.96	19.88	21.00
5	256QAM	1	0	17.95	18.17	17.97	19.00
5	256QAM	1	12	18.08	18.07	17.92	19.00
5	256QAM	1	24	18.13	18.20	18.05	19.00
5	256QAM	12	0	17.95	18.10	18.10	19.00
5	256QAM	12	7	17.94	18.14	18.05	19.00
5	256QAM	12	13	18.16	18.11	18.04	19.00
5	256QAM	25	0	17.97	18.05	17.96	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.93	23.06	23.00	24.00
3	QPSK	1	8	22.81	23.00	22.87	24.00
3	QPSK	1	14	22.79	22.99	22.91	24.00
3	QPSK	8	0	22.03	22.11	21.93	23.00
3	QPSK	8	4	21.96	22.08	21.90	23.00
3	QPSK	8	7	22.06	22.10	21.96	23.00
3	QPSK	15	0	21.94	22.06	21.96	23.00
3	16QAM	1	0	22.08	22.21	22.12	23.00
3	16QAM	1	8	22.16	22.34	22.15	23.00
3	16QAM	1	14	22.08	22.16	22.10	23.00
3	16QAM	8	0	20.82	21.00	20.99	22.00
3	16QAM	8	4	20.88	21.13	20.87	22.00
3	16QAM	8	7	21.05	21.12	21.12	22.00
3	16QAM	15	0	21.01	21.10	20.94	22.00
3	64QAM	1	0	21.07	21.09	21.08	22.00
3	64QAM	1	8	21.00	21.10	20.92	22.00
3	64QAM	1	14	21.05	21.17	20.99	22.00
3	64QAM	8	0	19.94	20.03	19.87	21.00
3	64QAM	8	4	19.96	20.13	20.03	21.00
3	64QAM	8	7	20.07	20.10	20.00	21.00
3	64QAM	15	0	19.79	20.07	19.93	21.00
3	256QAM	1	0	17.96	18.15	18.00	19.00
3	256QAM	1	8	18.09	18.13	18.03	19.00
3	256QAM	1	14	18.02	18.22	17.97	19.00
3	256QAM	8	0	18.05	18.11	18.14	19.00
3	256QAM	8	4	17.95	18.05	18.04	19.00
3	256QAM	8	7	18.16	18.13	17.98	19.00
3	256QAM	15	0	17.98	18.14	17.96	19.00
Channel				18607	18900	19193	Tune-up limit



Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	22.97	23.03	23.03	24.00
1.4	QPSK	1	3	22.81	22.97	22.98	24.00
1.4	QPSK	1	5	22.82	23.05	22.91	24.00
1.4	QPSK	3	0	22.96	23.07	22.93	24.00
1.4	QPSK	3	1	22.91	23.05	22.90	24.00
1.4	QPSK	3	3	23.04	23.06	22.96	24.00
1.4	QPSK	6	0	21.90	22.14	21.98	23.00
1.4	16QAM	1	0	22.05	22.13	22.08	23.00
1.4	16QAM	1	3	22.24	22.31	22.16	23.00
1.4	16QAM	1	5	22.03	22.19	22.12	23.00
1.4	16QAM	3	0	21.83	22.06	21.94	23.00
1.4	16QAM	3	1	21.97	22.04	21.93	23.00
1.4	16QAM	3	3	22.04	22.14	21.98	23.00
1.4	16QAM	6	0	21.03	21.09	20.96	22.00
1.4	64QAM	1	0	21.12	21.17	21.04	22.00
1.4	64QAM	1	3	20.97	21.09	20.94	22.00
1.4	64QAM	1	5	21.10	21.23	21.02	22.00
1.4	64QAM	3	0	20.88	21.15	20.87	22.00
1.4	64QAM	3	1	21.00	21.08	21.08	22.00
1.4	64QAM	3	3	21.00	21.08	21.08	22.00
1.4	64QAM	6	0	19.80	20.06	19.82	21.00
1.4	256QAM	1	0	18.06	18.18	17.96	19.00
1.4	256QAM	1	3	18.07	18.13	17.99	19.00
1.4	256QAM	1	5	18.02	18.18	18.05	19.00
1.4	256QAM	3	0	17.94	18.12	18.02	19.00
1.4	256QAM	3	1	18.01	18.06	18.00	19.00
1.4	256QAM	3	3	18.08	18.20	18.05	19.00
1.4	256QAM	6	0	17.88	18.01	18.01	19.00

【LTE Band 2_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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.04	23.09	23.06	24.00
20	QPSK	1	49	22.90	23.09	23.02	24.00
20	QPSK	1	99	22.93	23.08	23.03	24.00
20	QPSK	50	0	22.10	22.18	22.05	23.00
20	QPSK	50	24	22.03	22.15	22.00	23.00
20	QPSK	50	50	22.09	22.16	22.02	23.00
20	QPSK	100	0	21.99	22.17	22.02	23.00
20	16QAM	1	0	22.19	22.28	22.22	23.00
20	16QAM	1	49	22.29	22.36	22.20	23.00
20	16QAM	1	99	22.11	22.28	22.17	23.00
20	16QAM	50	0	20.95	21.09	21.02	22.00
20	16QAM	50	24	21.02	21.14	21.01	22.00
20	16QAM	50	50	21.12	21.19	21.13	22.00
20	16QAM	100	0	21.07	21.16	21.08	22.00
20	64QAM	1	0	21.15	21.23	21.10	22.00
20	64QAM	1	49	21.09	21.16	21.02	22.00
20	64QAM	1	99	21.12	21.28	21.11	22.00
20	64QAM	50	0	19.99	20.16	20.01	21.00
20	64QAM	50	24	20.02	20.19	20.14	21.00
20	64QAM	50	50	20.10	20.20	20.14	21.00
20	64QAM	100	0	19.93	20.10	19.95	21.00
20	256QAM	1	0	18.10	18.20	18.07	19.00
20	256QAM	1	49	18.13	18.19	18.06	19.00
20	256QAM	1	99	18.15	18.25	18.09	19.00
20	256QAM	50	0	18.07	18.21	18.17	19.00
20	256QAM	50	24	18.05	18.16	18.11	19.00
20	256QAM	50	50	18.19	18.25	18.08	19.00
20	256QAM	100	0	18.02	18.16	18.09	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.90	22.99	22.98	24.00
15	QPSK	1	37	22.78	23.01	22.94	24.00
15	QPSK	1	74	22.90	22.98	22.90	24.00
15	QPSK	36	0	22.04	22.16	22.01	23.00
15	QPSK	36	20	21.94	22.11	21.89	23.00
15	QPSK	36	39	22.07	22.02	21.96	23.00
15	QPSK	75	0	21.90	22.09	21.93	23.00



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15	16QAM	1	0	22.14	22.15	22.15	23.00
15	16QAM	1	37	22.16	22.23	22.10	23.00
15	16QAM	1	74	22.06	22.27	22.04	23.00
15	16QAM	36	0	20.93	21.03	21.00	22.00
15	16QAM	36	20	20.88	21.05	20.89	22.00
15	16QAM	36	39	20.98	21.08	21.00	22.00
15	16QAM	75	0	21.06	21.13	20.98	22.00
15	64QAM	1	0	21.04	21.22	21.05	22.00
15	64QAM	1	37	21.05	21.06	20.99	22.00
15	64QAM	1	74	21.05	21.20	21.02	22.00
15	64QAM	36	0	19.90	20.11	19.93	21.00
15	64QAM	36	20	19.93	20.15	20.03	21.00
15	64QAM	36	39	20.01	20.14	20.12	21.00
15	64QAM	75	0	19.81	19.96	19.81	21.00
15	256QAM	1	0	17.97	18.18	17.98	19.00
15	256QAM	1	37	18.04	18.14	18.02	19.00
15	256QAM	1	74	18.07	18.23	17.98	19.00
15	256QAM	36	0	17.97	18.20	18.03	19.00
15	256QAM	36	20	17.91	18.03	18.01	19.00
15	256QAM	36	39	18.09	18.11	17.96	19.00
15	256QAM	75	0	17.91	18.12	18.04	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	22.90	23.03	22.99	24.00
10	QPSK	1	25	22.85	23.01	22.98	24.00
10	QPSK	1	49	22.87	23.05	22.96	24.00
10	QPSK	25	0	22.08	22.04	22.01	23.00
10	QPSK	25	12	21.99	22.01	21.90	23.00
10	QPSK	25	25	21.96	22.09	21.94	23.00
10	QPSK	50	0	21.98	22.13	21.98	23.00
10	16QAM	1	0	22.06	22.25	22.14	23.00
10	16QAM	1	25	22.26	22.28	22.08	23.00
10	16QAM	1	49	21.98	22.15	22.02	23.00
10	16QAM	25	0	20.80	20.96	20.99	22.00
10	16QAM	25	12	21.00	21.05	20.96	22.00
10	16QAM	25	25	21.10	21.07	21.03	22.00
10	16QAM	50	0	21.04	21.14	20.95	22.00
10	64QAM	1	0	21.05	21.16	21.05	22.00
10	64QAM	1	25	21.06	21.11	20.89	22.00
10	64QAM	1	49	21.06	21.21	21.05	22.00
10	64QAM	25	0	19.94	20.11	19.98	21.00
10	64QAM	25	12	19.98	20.14	20.12	21.00
10	64QAM	25	25	20.08	20.19	20.12	21.00
10	64QAM	50	0	19.89	19.96	19.88	21.00
10	256QAM	1	0	18.08	18.16	17.93	19.00
10	256QAM	1	25	18.06	18.14	17.97	19.00
10	256QAM	1	49	18.14	18.16	18.03	19.00
10	256QAM	25	0	18.03	18.19	18.08	19.00
10	256QAM	25	12	17.96	18.08	18.05	19.00
10	256QAM	25	25	18.07	18.15	17.95	19.00
10	256QAM	50	0	17.99	18.06	18.03	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.99	22.99	22.94	24.00
5	QPSK	1	12	22.82	23.01	22.92	24.00
5	QPSK	1	24	22.80	22.94	22.95	24.00
5	QPSK	12	0	22.03	22.15	22.01	23.00
5	QPSK	12	7	21.99	22.08	21.87	23.00
5	QPSK	12	13	22.08	22.01	21.95	23.00
5	QPSK	25	0	21.98	22.13	21.97	23.00
5	16QAM	1	0	22.13	22.15	22.16	23.00
5	16QAM	1	12	22.17	22.27	22.19	23.00
5	16QAM	1	24	22.08	22.23	22.04	23.00
5	16QAM	12	0	20.86	21.00	20.93	22.00
5	16QAM	12	7	20.96	21.03	20.93	22.00
5	16QAM	12	13	21.09	21.10	21.05	22.00
5	16QAM	25	0	21.06	21.12	20.96	22.00
5	64QAM	1	0	21.06	21.10	21.07	22.00
5	64QAM	1	12	20.94	21.10	20.94	22.00
5	64QAM	1	24	21.00	21.20	21.10	22.00
5	64QAM	12	0	19.90	20.07	19.91	21.00
5	64QAM	12	7	19.96	20.06	20.05	21.00
5	64QAM	12	13	20.06	20.19	20.11	21.00
5	64QAM	25	0	19.84	19.96	19.88	21.00
5	256QAM	1	0	17.95	18.17	17.97	19.00
5	256QAM	1	12	18.08	18.07	17.92	19.00
5	256QAM	1	24	18.13	18.20	18.05	19.00
5	256QAM	12	0	17.95	18.10	18.10	19.00



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5	256QAM	12	7	17.94	18.14	18.05	19.00
5	256QAM	12	13	18.16	18.11	18.04	19.00
5	256QAM	25	0	17.97	18.05	17.96	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.93	23.06	23.00	24.00
3	QPSK	1	8	22.81	23.00	22.87	24.00
3	QPSK	1	14	22.79	22.99	22.91	24.00
3	QPSK	8	0	22.03	22.11	21.93	23.00
3	QPSK	8	4	21.96	22.08	21.90	23.00
3	QPSK	8	7	22.06	22.10	21.96	23.00
3	QPSK	15	0	21.94	22.06	21.96	23.00
3	16QAM	1	0	22.08	22.21	22.12	23.00
3	16QAM	1	8	22.16	22.34	22.15	23.00
3	16QAM	1	14	22.08	22.16	22.10	23.00
3	16QAM	8	0	20.82	21.00	20.99	22.00
3	16QAM	8	4	20.88	21.13	20.87	22.00
3	16QAM	8	7	21.05	21.12	21.12	22.00
3	16QAM	15	0	21.01	21.10	20.94	22.00
3	64QAM	1	0	21.07	21.09	21.08	22.00
3	64QAM	1	8	21.00	21.10	20.92	22.00
3	64QAM	1	14	21.05	21.17	20.99	22.00
3	64QAM	8	0	19.94	20.03	19.87	21.00
3	64QAM	8	4	19.96	20.13	20.03	21.00
3	64QAM	8	7	20.07	20.10	20.00	21.00
3	64QAM	15	0	19.79	20.07	19.93	21.00
3	256QAM	1	0	17.96	18.15	18.00	19.00
3	256QAM	1	8	18.09	18.13	18.03	19.00
3	256QAM	1	14	18.02	18.22	17.97	19.00
3	256QAM	8	0	18.05	18.11	18.14	19.00
3	256QAM	8	4	17.95	18.05	18.04	19.00
3	256QAM	8	7	18.16	18.13	17.98	19.00
3	256QAM	15	0	17.98	18.14	17.96	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.97	23.03	23.03	24.00
1.4	QPSK	1	3	22.81	22.97	22.98	24.00
1.4	QPSK	1	5	22.82	23.05	22.91	24.00
1.4	QPSK	3	0	22.96	23.07	22.93	24.00
1.4	QPSK	3	1	22.91	23.05	22.90	24.00
1.4	QPSK	3	3	23.04	23.06	22.96	24.00
1.4	QPSK	6	0	21.90	22.14	21.98	23.00
1.4	16QAM	1	0	22.05	22.13	22.08	23.00
1.4	16QAM	1	3	22.24	22.31	22.16	23.00
1.4	16QAM	1	5	22.03	22.19	22.12	23.00
1.4	16QAM	3	0	21.83	22.06	21.94	23.00
1.4	16QAM	3	1	21.97	22.04	21.93	23.00
1.4	16QAM	3	3	22.04	22.14	21.98	23.00
1.4	16QAM	6	0	21.03	21.09	20.96	22.00
1.4	64QAM	1	0	21.12	21.17	21.04	22.00
1.4	64QAM	1	3	20.97	21.09	20.94	22.00
1.4	64QAM	1	5	21.10	21.23	21.02	22.00
1.4	64QAM	3	0	20.88	21.15	20.87	22.00
1.4	64QAM	3	1	21.00	21.08	21.08	22.00
1.4	64QAM	3	3	21.00	21.08	21.08	22.00
1.4	64QAM	6	0	19.80	20.06	19.82	21.00
1.4	256QAM	1	0	18.06	18.18	17.96	19.00
1.4	256QAM	1	3	18.07	18.13	17.99	19.00
1.4	256QAM	1	5	18.02	18.18	18.05	19.00
1.4	256QAM	3	0	17.94	18.12	18.02	19.00
1.4	256QAM	3	1	18.01	18.06	18.00	19.00
1.4	256QAM	3	3	18.08	18.20	18.05	19.00
1.4	256QAM	6	0	17.88	18.01	18.01	19.00

**【LTE Band 2_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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.63	19.68	19.61	20.50
20	QPSK	1	49	19.43	19.56	19.51	20.50
20	QPSK	1	99	19.55	19.47	19.58	20.50
20	QPSK	50	0	19.60	19.65	19.49	20.50
20	QPSK	50	24	19.51	19.65	19.47	20.50
20	QPSK	50	50	19.58	19.64	19.47	20.50
20	QPSK	100	0	19.53	19.56	19.56	20.50
20	16QAM	1	0	19.52	19.59	19.66	20.50
20	16QAM	1	49	19.57	19.65	19.57	20.50
20	16QAM	1	99	19.55	19.67	19.60	20.50
20	16QAM	50	0	19.64	19.51	19.65	20.50
20	16QAM	50	24	19.42	19.59	19.66	20.50
20	16QAM	50	50	19.57	19.52	19.48	20.50
20	16QAM	100	0	19.65	19.57	19.61	20.50
20	64QAM	1	0	19.47	19.61	19.63	20.50
20	64QAM	1	49	19.48	19.59	19.46	20.50
20	64QAM	1	99	19.57	19.61	19.61	20.50
20	64QAM	50	0	19.53	19.71	19.46	20.50
20	64QAM	50	24	19.54	19.58	19.45	20.50
20	64QAM	50	50	19.52	19.49	19.65	20.50
20	64QAM	100	0	19.57	19.65	19.51	20.50
20	256QAM	1	0	18.10	18.20	18.07	19.00
20	256QAM	1	49	18.13	18.19	18.06	19.00
20	256QAM	1	99	18.15	18.25	18.09	19.00
20	256QAM	50	0	18.07	18.21	18.17	19.00
20	256QAM	50	24	18.05	18.16	18.11	19.00
20	256QAM	50	50	18.19	18.25	18.08	19.00
20	256QAM	100	0	18.02	18.16	18.09	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.59	19.63	19.58	20.50
15	QPSK	1	37	19.33	19.42	19.37	20.50
15	QPSK	1	74	19.44	19.39	19.45	20.50
15	QPSK	36	0	19.48	19.61	19.47	20.50
15	QPSK	36	20	19.44	19.52	19.40	20.50
15	QPSK	36	39	19.54	19.54	19.45	20.50
15	QPSK	75	0	19.43	19.48	19.49	20.50
15	16QAM	1	0	19.42	19.57	19.53	20.50
15	16QAM	1	37	19.56	19.63	19.51	20.50
15	16QAM	1	74	19.52	19.54	19.55	20.50
15	16QAM	36	0	19.54	19.42	19.57	20.50
15	16QAM	36	20	19.40	19.55	19.54	20.50
15	16QAM	36	39	19.55	19.43	19.34	20.50
15	16QAM	75	0	19.52	19.45	19.47	20.50
15	64QAM	1	0	19.32	19.48	19.54	20.50
15	64QAM	1	37	19.43	19.47	19.43	20.50
15	64QAM	1	74	19.42	19.53	19.48	20.50
15	64QAM	36	0	19.51	19.66	19.36	20.50
15	64QAM	36	20	19.40	19.45	19.38	20.50
15	64QAM	36	39	19.50	19.39	19.52	20.50
15	64QAM	75	0	19.56	19.57	19.36	20.50
15	256QAM	1	0	18.08	18.18	17.92	19.00
15	256QAM	1	37	18.02	18.13	17.92	19.00
15	256QAM	1	74	18.05	18.11	18.05	19.00
15	256QAM	36	0	18.05	18.15	18.08	19.00
15	256QAM	36	20	17.94	18.09	17.96	19.00
15	256QAM	36	39	18.16	18.24	17.94	19.00
15	256QAM	75	0	18.00	18.02	17.99	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.50	19.53	19.57	20.50
10	QPSK	1	25	19.36	19.48	19.47	20.50
10	QPSK	1	49	19.50	19.44	19.49	20.50
10	QPSK	25	0	19.49	19.63	19.42	20.50
10	QPSK	25	12	19.43	19.52	19.36	20.50
10	QPSK	25	25	19.56	19.54	19.42	20.50
10	QPSK	50	0	19.42	19.50	19.43	20.50
10	16QAM	1	0	19.43	19.55	19.52	20.50
10	16QAM	1	25	19.44	19.63	19.43	20.50
10	16QAM	1	49	19.43	19.66	19.56	20.50
10	16QAM	25	0	19.53	19.39	19.61	20.50



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10	16QAM	25	12	19.29	19.49	19.57	20.50
10	16QAM	25	25	19.43	19.42	19.43	20.50
10	16QAM	50	0	19.56	19.51	19.59	20.50
10	64QAM	1	0	19.33	19.57	19.51	20.50
10	64QAM	1	25	19.45	19.49	19.38	20.50
10	64QAM	1	49	19.53	19.49	19.58	20.50
10	64QAM	25	0	19.43	19.63	19.33	20.50
10	64QAM	25	12	19.46	19.56	19.33	20.50
10	64QAM	25	25	19.38	19.37	19.61	20.50
10	64QAM	50	0	19.50	19.55	19.46	20.50
10	256QAM	1	0	17.96	18.18	18.00	19.00
10	256QAM	1	25	18.10	18.17	17.97	19.00
10	256QAM	1	49	18.05	18.22	17.97	19.00
10	256QAM	25	0	18.03	18.18	18.12	19.00
10	256QAM	25	12	17.97	18.05	18.03	19.00
10	256QAM	25	25	18.07	18.20	18.03	19.00
10	256QAM	50	0	17.96	18.09	18.07	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	19.54	19.55	19.54	20.50
5	QPSK	1	12	19.31	19.52	19.45	20.50
5	QPSK	1	24	19.41	19.43	19.54	20.50
5	QPSK	12	0	19.48	19.59	19.36	20.50
5	QPSK	12	7	19.49	19.57	19.45	20.50
5	QPSK	12	13	19.51	19.54	19.41	20.50
5	QPSK	25	0	19.49	19.49	19.49	20.50
5	16QAM	1	0	19.43	19.56	19.60	20.50
5	16QAM	1	12	19.51	19.57	19.51	20.50
5	16QAM	1	24	19.51	19.55	19.57	20.50
5	16QAM	12	0	19.61	19.38	19.61	20.50
5	16QAM	12	7	19.30	19.48	19.57	20.50
5	16QAM	12	13	19.46	19.38	19.37	20.50
5	16QAM	25	0	19.59	19.49	19.59	20.50
5	64QAM	1	0	19.43	19.54	19.59	20.50
5	64QAM	1	12	19.33	19.49	19.38	20.50
5	64QAM	1	24	19.51	19.54	19.55	20.50
5	64QAM	12	0	19.42	19.56	19.36	20.50
5	64QAM	12	7	19.47	19.48	19.37	20.50
5	64QAM	12	13	19.39	19.40	19.61	20.50
5	64QAM	25	0	19.47	19.54	19.39	20.50
5	256QAM	1	0	18.00	18.16	18.03	19.00
5	256QAM	1	12	17.99	18.13	17.99	19.00
5	256QAM	1	24	18.10	18.19	18.08	19.00
5	256QAM	12	0	18.02	18.13	18.14	19.00
5	256QAM	12	7	17.90	18.08	18.08	19.00
5	256QAM	12	13	18.12	18.13	18.03	19.00
5	256QAM	25	0	17.88	18.04	18.07	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	19.54	19.64	19.59	20.50
3	QPSK	1	8	19.36	19.53	19.37	20.50
3	QPSK	1	14	19.49	19.43	19.47	20.50
3	QPSK	8	0	19.55	19.62	19.43	20.50
3	QPSK	8	4	19.47	19.54	19.40	20.50
3	QPSK	8	7	19.51	19.58	19.42	20.50
3	QPSK	15	0	19.48	19.45	19.46	20.50
3	16QAM	1	0	19.43	19.50	19.60	20.50
3	16QAM	1	8	19.47	19.60	19.50	20.50
3	16QAM	1	14	19.40	19.64	19.52	20.50
3	16QAM	8	0	19.49	19.46	19.57	20.50
3	16QAM	8	4	19.33	19.51	19.58	20.50
3	16QAM	8	7	19.46	19.50	19.45	20.50
3	16QAM	15	0	19.58	19.44	19.52	20.50
3	64QAM	1	0	19.38	19.51	19.59	20.50
3	64QAM	1	8	19.41	19.58	19.32	20.50
3	64QAM	1	14	19.45	19.57	19.50	20.50
3	64QAM	8	0	19.39	19.60	19.37	20.50
3	64QAM	8	4	19.48	19.47	19.35	20.50
3	64QAM	8	7	19.39	19.40	19.52	20.50
3	64QAM	15	0	19.54	19.55	19.47	20.50
3	256QAM	1	0	18.06	18.09	17.92	19.00
3	256QAM	1	8	18.02	18.14	18.02	19.00
3	256QAM	1	14	18.05	18.12	17.96	19.00
3	256QAM	8	0	18.02	18.16	18.06	19.00
3	256QAM	8	4	17.96	18.12	18.06	19.00
3	256QAM	8	7	18.04	18.20	17.96	19.00
3	256QAM	15	0	17.93	18.04	17.96	19.00
Channel				18607	18900	19193	Tune-up limit



Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	19.53	19.62	19.59	20.50
1.4	QPSK	1	3	19.28	19.42	19.38	20.50
1.4	QPSK	1	5	19.50	19.44	19.47	20.50
1.4	QPSK	3	0	19.51	19.55	19.47	20.50
1.4	QPSK	3	1	19.49	19.58	19.42	20.50
1.4	QPSK	3	3	19.44	19.62	19.44	20.50
1.4	QPSK	6	0	19.39	19.49	19.46	20.50
1.4	16QAM	1	0	19.42	19.48	19.61	20.50
1.4	16QAM	1	3	19.48	19.51	19.47	20.50
1.4	16QAM	1	5	19.53	19.62	19.53	20.50
1.4	16QAM	3	0	19.50	19.49	19.60	20.50
1.4	16QAM	3	1	19.38	19.56	19.58	20.50
1.4	16QAM	3	3	19.50	19.38	19.36	20.50
1.4	16QAM	6	0	19.57	19.48	19.51	20.50
1.4	64QAM	1	0	19.38	19.53	19.52	20.50
1.4	64QAM	1	3	19.42	19.56	19.34	20.50
1.4	64QAM	1	5	19.51	19.47	19.55	20.50
1.4	64QAM	3	0	19.42	19.57	19.44	20.50
1.4	64QAM	3	1	19.41	19.51	19.36	20.50
1.4	64QAM	3	3	19.44	19.43	19.57	20.50
1.4	64QAM	6	0	19.43	19.57	19.49	20.50
1.4	256QAM	1	0	17.97	18.09	17.97	19.00
1.4	256QAM	1	3	17.98	18.09	18.00	19.00
1.4	256QAM	1	5	18.13	18.20	17.96	19.00
1.4	256QAM	3	0	18.01	18.17	18.04	19.00
1.4	256QAM	3	1	17.97	18.12	17.98	19.00
1.4	256QAM	3	3	18.10	18.16	17.99	19.00
1.4	256QAM	6	0	17.94	18.14	18.04	19.00

【LTE Band 2_Ant 4_Hotspot 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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.63	19.68	19.61	20.50
20	QPSK	1	49	19.43	19.56	19.51	20.50
20	QPSK	1	99	19.55	19.47	19.58	20.50
20	QPSK	50	0	19.60	19.65	19.49	20.50
20	QPSK	50	24	19.51	19.65	19.47	20.50
20	QPSK	50	50	19.58	19.64	19.47	20.50
20	QPSK	100	0	19.53	19.56	19.56	20.50
20	16QAM	1	0	19.52	19.59	19.66	20.50
20	16QAM	1	49	19.57	19.65	19.57	20.50
20	16QAM	1	99	19.55	19.67	19.60	20.50
20	16QAM	50	0	19.64	19.51	19.65	20.50
20	16QAM	50	24	19.42	19.59	19.66	20.50
20	16QAM	50	50	19.57	19.52	19.48	20.50
20	16QAM	100	0	19.65	19.57	19.61	20.50
20	64QAM	1	0	19.47	19.61	19.63	20.50
20	64QAM	1	49	19.48	19.59	19.46	20.50
20	64QAM	1	99	19.57	19.61	19.61	20.50
20	64QAM	50	0	19.53	19.71	19.46	20.50
20	64QAM	50	24	19.54	19.58	19.45	20.50
20	64QAM	50	50	19.52	19.49	19.65	20.50
20	64QAM	100	0	19.57	19.65	19.51	20.50
20	256QAM	1	0	18.10	18.20	18.07	19.00
20	256QAM	1	49	18.13	18.19	18.06	19.00
20	256QAM	1	99	18.15	18.25	18.09	19.00
20	256QAM	50	0	18.07	18.21	18.17	19.00
20	256QAM	50	24	18.05	18.16	18.11	19.00
20	256QAM	50	50	18.19	18.25	18.08	19.00
20	256QAM	100	0	18.02	18.16	18.09	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.59	19.63	19.58	20.50
15	QPSK	1	37	19.33	19.42	19.37	20.50
15	QPSK	1	74	19.44	19.39	19.45	20.50
15	QPSK	36	0	19.48	19.61	19.47	20.50
15	QPSK	36	20	19.44	19.52	19.40	20.50
15	QPSK	36	39	19.54	19.54	19.45	20.50
15	QPSK	75	0	19.43	19.48	19.49	20.50



FCC SAR Test Report

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15	16QAM	1	0	19.42	19.57	19.53	20.50
15	16QAM	1	37	19.56	19.63	19.51	20.50
15	16QAM	1	74	19.52	19.54	19.55	20.50
15	16QAM	36	0	19.54	19.42	19.57	20.50
15	16QAM	36	20	19.40	19.55	19.54	20.50
15	16QAM	36	39	19.55	19.43	19.34	20.50
15	16QAM	75	0	19.52	19.45	19.47	20.50
15	64QAM	1	0	19.32	19.48	19.54	20.50
15	64QAM	1	37	19.43	19.47	19.43	20.50
15	64QAM	1	74	19.42	19.53	19.48	20.50
15	64QAM	36	0	19.51	19.66	19.36	20.50
15	64QAM	36	20	19.40	19.45	19.38	20.50
15	64QAM	36	39	19.50	19.39	19.52	20.50
15	64QAM	75	0	19.56	19.57	19.36	20.50
15	256QAM	1	0	18.08	18.18	17.92	19.00
15	256QAM	1	37	18.02	18.13	17.92	19.00
15	256QAM	1	74	18.05	18.11	18.05	19.00
15	256QAM	36	0	18.05	18.15	18.08	19.00
15	256QAM	36	20	17.94	18.09	17.96	19.00
15	256QAM	36	39	18.16	18.24	17.94	19.00
15	256QAM	75	0	18.00	18.02	17.99	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	19.50	19.53	19.57	20.50
10	QPSK	1	25	19.36	19.48	19.47	20.50
10	QPSK	1	49	19.50	19.44	19.49	20.50
10	QPSK	25	0	19.49	19.63	19.42	20.50
10	QPSK	25	12	19.43	19.52	19.36	20.50
10	QPSK	25	25	19.56	19.54	19.42	20.50
10	QPSK	50	0	19.42	19.50	19.43	20.50
10	16QAM	1	0	19.43	19.55	19.52	20.50
10	16QAM	1	25	19.44	19.63	19.43	20.50
10	16QAM	1	49	19.43	19.66	19.56	20.50
10	16QAM	25	0	19.53	19.39	19.61	20.50
10	16QAM	25	12	19.29	19.49	19.57	20.50
10	16QAM	25	25	19.43	19.42	19.43	20.50
10	16QAM	50	0	19.56	19.51	19.59	20.50
10	64QAM	1	0	19.33	19.57	19.51	20.50
10	64QAM	1	25	19.45	19.49	19.38	20.50
10	64QAM	1	49	19.53	19.49	19.58	20.50
10	64QAM	25	0	19.43	19.63	19.33	20.50
10	64QAM	25	12	19.46	19.56	19.33	20.50
10	64QAM	25	25	19.38	19.37	19.61	20.50
10	64QAM	50	0	19.50	19.55	19.46	20.50
10	256QAM	1	0	17.96	18.18	18.00	19.00
10	256QAM	1	25	18.10	18.17	17.97	19.00
10	256QAM	1	49	18.05	18.22	17.97	19.00
10	256QAM	25	0	18.03	18.18	18.12	19.00
10	256QAM	25	12	17.97	18.05	18.03	19.00
10	256QAM	25	25	18.07	18.20	18.03	19.00
10	256QAM	50	0	17.96	18.09	18.07	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	19.54	19.55	19.54	20.50
5	QPSK	1	12	19.31	19.52	19.45	20.50
5	QPSK	1	24	19.41	19.43	19.54	20.50
5	QPSK	12	0	19.48	19.59	19.36	20.50
5	QPSK	12	7	19.49	19.57	19.45	20.50
5	QPSK	12	13	19.51	19.54	19.41	20.50
5	QPSK	25	0	19.49	19.49	19.49	20.50
5	16QAM	1	0	19.43	19.56	19.60	20.50
5	16QAM	1	12	19.51	19.57	19.51	20.50
5	16QAM	1	24	19.51	19.55	19.57	20.50
5	16QAM	12	0	19.61	19.38	19.61	20.50
5	16QAM	12	7	19.30	19.48	19.57	20.50
5	16QAM	12	13	19.46	19.38	19.37	20.50
5	16QAM	25	0	19.59	19.49	19.59	20.50
5	64QAM	1	0	19.43	19.54	19.59	20.50
5	64QAM	1	12	19.33	19.49	19.38	20.50
5	64QAM	1	24	19.51	19.54	19.55	20.50
5	64QAM	12	0	19.42	19.56	19.36	20.50
5	64QAM	12	7	19.47	19.48	19.37	20.50
5	64QAM	12	13	19.39	19.40	19.61	20.50
5	64QAM	25	0	19.47	19.54	19.39	20.50
5	256QAM	1	0	18.00	18.16	18.03	19.00
5	256QAM	1	12	17.99	18.13	17.99	19.00
5	256QAM	1	24	18.10	18.19	18.08	19.00
5	256QAM	12	0	18.02	18.13	18.14	19.00



5	256QAM	12	7	17.90	18.08	18.08	19.00
5	256QAM	12	13	18.12	18.13	18.03	19.00
5	256QAM	25	0	17.88	18.04	18.07	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	19.54	19.64	19.59	20.50
3	QPSK	1	8	19.36	19.53	19.37	20.50
3	QPSK	1	14	19.49	19.43	19.47	20.50
3	QPSK	8	0	19.55	19.62	19.43	20.50
3	QPSK	8	4	19.47	19.54	19.40	20.50
3	QPSK	8	7	19.51	19.58	19.42	20.50
3	QPSK	15	0	19.48	19.45	19.46	20.50
3	16QAM	1	0	19.43	19.50	19.60	20.50
3	16QAM	1	8	19.47	19.60	19.50	20.50
3	16QAM	1	14	19.40	19.64	19.52	20.50
3	16QAM	8	0	19.49	19.46	19.57	20.50
3	16QAM	8	4	19.33	19.51	19.58	20.50
3	16QAM	8	7	19.46	19.50	19.45	20.50
3	16QAM	15	0	19.58	19.44	19.52	20.50
3	64QAM	1	0	19.38	19.51	19.59	20.50
3	64QAM	1	8	19.41	19.58	19.32	20.50
3	64QAM	1	14	19.45	19.57	19.50	20.50
3	64QAM	8	0	19.39	19.60	19.37	20.50
3	64QAM	8	4	19.48	19.47	19.35	20.50
3	64QAM	8	7	19.39	19.40	19.52	20.50
3	64QAM	15	0	19.54	19.55	19.47	20.50
3	256QAM	1	0	18.06	18.09	17.92	19.00
3	256QAM	1	8	18.02	18.14	18.02	19.00
3	256QAM	1	14	18.05	18.12	17.96	19.00
3	256QAM	8	0	18.02	18.16	18.06	19.00
3	256QAM	8	4	17.96	18.12	18.06	19.00
3	256QAM	8	7	18.04	18.20	17.96	19.00
3	256QAM	15	0	17.93	18.04	17.96	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.53	19.62	19.59	20.50
1.4	QPSK	1	3	19.28	19.42	19.38	20.50
1.4	QPSK	1	5	19.50	19.44	19.47	20.50
1.4	QPSK	3	0	19.51	19.55	19.47	20.50
1.4	QPSK	3	1	19.49	19.58	19.42	20.50
1.4	QPSK	3	3	19.44	19.62	19.44	20.50
1.4	QPSK	6	0	19.39	19.49	19.46	20.50
1.4	16QAM	1	0	19.42	19.48	19.61	20.50
1.4	16QAM	1	3	19.48	19.51	19.47	20.50
1.4	16QAM	1	5	19.53	19.62	19.53	20.50
1.4	16QAM	3	0	19.50	19.49	19.60	20.50
1.4	16QAM	3	1	19.38	19.56	19.58	20.50
1.4	16QAM	3	3	19.50	19.38	19.36	20.50
1.4	16QAM	6	0	19.57	19.48	19.51	20.50
1.4	64QAM	1	0	19.38	19.53	19.52	20.50
1.4	64QAM	1	3	19.42	19.56	19.34	20.50
1.4	64QAM	1	5	19.51	19.47	19.55	20.50
1.4	64QAM	3	0	19.42	19.57	19.44	20.50
1.4	64QAM	3	1	19.41	19.51	19.36	20.50
1.4	64QAM	3	3	19.44	19.43	19.57	20.50
1.4	64QAM	6	0	19.43	19.57	19.49	20.50
1.4	256QAM	1	0	17.97	18.09	17.97	19.00
1.4	256QAM	1	3	17.98	18.09	18.00	19.00
1.4	256QAM	1	5	18.13	18.20	17.96	19.00
1.4	256QAM	3	0	18.01	18.17	18.04	19.00
1.4	256QAM	3	1	17.97	18.12	17.98	19.00
1.4	256QAM	3	3	18.10	18.16	17.99	19.00
1.4	256QAM	6	0	17.94	18.14	18.04	19.00



【LTE Band 4_Ant 0_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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.14	23.05	22.92	24.00
20	QPSK	1	49	23.01	23.04	22.83	24.00
20	QPSK	1	99	23.02	22.97	22.81	24.00
20	QPSK	50	0	22.07	22.01	21.74	23.00
20	QPSK	50	24	22.01	21.98	21.76	23.00
20	QPSK	50	50	21.87	21.83	21.60	23.00
20	QPSK	100	0	21.97	21.92	21.65	23.00
20	16QAM	1	0	22.13	22.17	21.91	23.00
20	16QAM	1	49	21.98	22.00	21.83	23.00
20	16QAM	1	99	21.96	22.01	21.77	23.00
20	16QAM	50	0	20.96	21.03	20.82	22.00
20	16QAM	50	24	21.07	21.05	20.91	22.00
20	16QAM	50	50	21.05	21.00	20.78	22.00
20	16QAM	100	0	20.95	21.01	20.78	22.00
20	64QAM	1	0	21.20	21.25	21.02	22.00
20	64QAM	1	49	21.22	21.18	21.03	22.00
20	64QAM	1	99	21.09	21.03	20.77	22.00
20	64QAM	50	0	20.00	20.01	19.86	21.00
20	64QAM	50	24	20.09	20.03	19.82	21.00
20	64QAM	50	50	19.89	19.89	19.73	21.00
20	64QAM	100	0	19.99	19.98	19.77	21.00
20	256QAM	1	0	18.11	18.12	18.00	19.00
20	256QAM	1	49	17.99	18.03	17.88	19.00
20	256QAM	1	99	18.00	18.04	17.85	19.00
20	256QAM	50	0	18.05	18.05	17.87	19.00
20	256QAM	50	24	18.18	18.19	17.99	19.00
20	256QAM	50	50	17.94	17.99	17.75	19.00
20	256QAM	100	0	17.91	17.98	17.73	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.01	23.01	22.86	24.00
15	QPSK	1	37	22.94	22.92	22.77	24.00
15	QPSK	1	74	22.96	22.88	22.72	24.00
15	QPSK	36	0	22.04	21.92	21.72	23.00
15	QPSK	36	20	21.93	21.96	21.71	23.00
15	QPSK	36	39	21.79	21.76	21.57	23.00
15	QPSK	75	0	21.84	21.85	21.60	23.00
15	16QAM	1	0	22.09	22.07	21.79	23.00
15	16QAM	1	37	21.87	21.90	21.76	23.00
15	16QAM	1	74	21.83	21.90	21.72	23.00
15	16QAM	36	0	20.88	20.91	20.79	22.00
15	16QAM	36	20	21.05	20.90	20.77	22.00
15	16QAM	36	39	21.03	20.91	20.72	22.00
15	16QAM	75	0	20.91	20.91	20.71	22.00
15	64QAM	1	0	21.13	21.24	20.99	22.00
15	64QAM	1	37	21.16	21.12	20.96	22.00
15	64QAM	1	74	21.01	20.91	20.62	22.00
15	64QAM	36	0	19.92	19.98	19.83	21.00
15	64QAM	36	20	20.03	19.92	19.81	21.00
15	64QAM	36	39	19.83	19.76	19.69	21.00
15	64QAM	75	0	19.95	19.83	19.74	21.00
15	256QAM	1	0	18.01	17.99	17.96	19.00
15	256QAM	1	37	17.84	18.00	17.84	19.00
15	256QAM	1	74	17.86	18.00	17.78	19.00
15	256QAM	36	0	17.95	18.03	17.78	19.00
15	256QAM	36	20	18.11	18.08	17.95	19.00
15	256QAM	36	39	17.81	17.97	17.70	19.00
15	256QAM	75	0	17.82	17.86	17.59	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.03	22.96	22.78	24.00
10	QPSK	1	25	22.92	23.00	22.71	24.00
10	QPSK	1	49	22.91	22.95	22.69	24.00
10	QPSK	25	0	21.94	21.88	21.65	23.00
10	QPSK	25	12	21.98	21.91	21.61	23.00
10	QPSK	25	25	21.76	21.70	21.57	23.00
10	QPSK	50	0	21.96	21.85	21.57	23.00
10	16QAM	1	0	22.02	22.02	21.81	23.00
10	16QAM	1	25	21.88	21.89	21.79	23.00
10	16QAM	1	49	21.92	21.92	21.64	23.00
10	16QAM	25	0	20.92	20.88	20.76	22.00



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10	16QAM	25	12	21.02	20.92	20.84	22.00
10	16QAM	25	25	20.93	20.88	20.63	22.00
10	16QAM	50	0	20.85	20.96	20.64	22.00
10	64QAM	1	0	21.17	21.16	20.97	22.00
10	64QAM	1	25	21.08	21.04	20.88	22.00
10	64QAM	1	49	20.95	21.01	20.66	22.00
10	64QAM	25	0	19.89	19.92	19.71	21.00
10	64QAM	25	12	20.06	19.92	19.72	21.00
10	64QAM	25	25	19.85	19.74	19.61	21.00
10	64QAM	50	0	19.98	19.91	19.64	21.00
10	256QAM	1	0	17.97	18.05	17.95	19.00
10	256QAM	1	25	17.91	17.96	17.84	19.00
10	256QAM	1	49	17.93	17.98	17.78	19.00
10	256QAM	25	0	17.94	17.91	17.73	19.00
10	256QAM	25	12	18.04	18.16	17.96	19.00
10	256QAM	25	25	17.88	17.85	17.73	19.00
10	256QAM	50	0	17.83	17.95	17.65	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.03	22.95	22.84	24.00
5	QPSK	1	12	22.86	23.03	22.81	24.00
5	QPSK	1	24	22.88	22.87	22.78	24.00
5	QPSK	12	0	21.98	21.93	21.72	23.00
5	QPSK	12	7	21.97	21.96	21.74	23.00
5	QPSK	12	13	21.82	21.72	21.46	23.00
5	QPSK	25	0	21.88	21.90	21.63	23.00
5	16QAM	1	0	22.08	22.12	21.76	23.00
5	16QAM	1	12	21.92	21.85	21.70	23.00
5	16QAM	1	24	21.90	21.86	21.72	23.00
5	16QAM	12	0	20.90	20.92	20.71	22.00
5	16QAM	12	7	20.93	21.03	20.77	22.00
5	16QAM	12	13	20.99	20.92	20.69	22.00
5	16QAM	25	0	20.92	20.89	20.69	22.00
5	64QAM	1	0	21.14	21.19	20.90	22.00
5	64QAM	1	12	21.14	21.15	20.98	22.00
5	64QAM	1	24	20.95	20.88	20.75	22.00
5	64QAM	12	0	19.88	19.94	19.78	21.00
5	64QAM	12	7	20.06	19.95	19.78	21.00
5	64QAM	12	13	19.77	19.84	19.61	21.00
5	64QAM	25	0	19.91	19.92	19.75	21.00
5	256QAM	1	0	18.09	17.99	17.93	19.00
5	256QAM	1	12	17.95	17.92	17.81	19.00
5	256QAM	1	24	17.96	18.01	17.74	19.00
5	256QAM	12	0	17.97	18.04	17.82	19.00
5	256QAM	12	7	18.05	18.09	17.92	19.00
5	256QAM	12	13	17.89	17.95	17.68	19.00
5	256QAM	25	0	17.87	17.85	17.64	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.07	23.00	22.91	24.00
3	QPSK	1	8	22.94	23.03	22.80	24.00
3	QPSK	1	14	22.88	22.88	22.68	24.00
3	QPSK	8	0	22.04	21.95	21.71	23.00
3	QPSK	8	4	21.98	21.94	21.61	23.00
3	QPSK	8	7	21.74	21.69	21.50	23.00
3	QPSK	15	0	21.94	21.83	21.60	23.00
3	16QAM	1	0	22.05	22.05	21.79	23.00
3	16QAM	1	8	21.91	21.86	21.72	23.00
3	16QAM	1	14	21.81	21.87	21.70	23.00
3	16QAM	8	0	20.89	20.91	20.77	22.00
3	16QAM	8	4	21.04	21.01	20.83	22.00
3	16QAM	8	7	20.92	20.91	20.68	22.00
3	16QAM	15	0	20.84	20.89	20.65	22.00
3	64QAM	1	0	21.05	21.15	20.87	22.00
3	64QAM	1	8	21.11	21.08	20.91	22.00
3	64QAM	1	14	21.06	20.90	20.70	22.00
3	64QAM	8	0	19.86	19.99	19.72	21.00
3	64QAM	8	4	20.06	20.00	19.75	21.00
3	64QAM	8	7	19.77	19.75	19.66	21.00
3	64QAM	15	0	19.93	19.88	19.71	21.00
3	256QAM	1	0	18.03	17.98	17.92	19.00
3	256QAM	1	8	17.94	17.89	17.83	19.00
3	256QAM	1	14	17.91	17.93	17.75	19.00
3	256QAM	8	0	17.92	18.01	17.75	19.00
3	256QAM	8	4	18.14	18.05	17.97	19.00
3	256QAM	8	7	17.80	17.85	17.64	19.00
3	256QAM	15	0	17.82	17.93	17.63	19.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	23.10	22.94	22.77	24.00
1.4	QPSK	1	3	22.96	23.01	22.76	24.00
1.4	QPSK	1	5	22.97	22.94	22.76	24.00
1.4	QPSK	3	0	22.99	23.00	22.61	24.00
1.4	QPSK	3	1	22.99	22.90	22.65	24.00
1.4	QPSK	3	3	22.76	22.69	22.56	24.00
1.4	QPSK	6	0	21.91	21.88	21.51	23.00
1.4	16QAM	1	0	22.07	22.12	21.87	23.00
1.4	16QAM	1	3	21.91	21.86	21.76	23.00
1.4	16QAM	1	5	21.89	21.93	21.64	23.00
1.4	16QAM	3	0	21.93	21.90	21.74	23.00
1.4	16QAM	3	1	22.05	21.92	21.76	23.00
1.4	16QAM	3	3	21.95	21.85	21.71	23.00
1.4	16QAM	6	0	20.93	20.94	20.67	22.00
1.4	64QAM	1	0	21.07	21.11	20.95	22.00
1.4	64QAM	1	3	21.09	21.14	21.01	22.00
1.4	64QAM	1	5	20.97	20.94	20.68	22.00
1.4	64QAM	3	0	20.88	20.97	20.81	22.00
1.4	64QAM	3	1	20.98	20.98	20.73	22.00
1.4	64QAM	3	3	20.87	20.75	20.68	22.00
1.4	64QAM	6	0	19.87	19.88	19.68	21.00
1.4	256QAM	1	0	18.01	18.09	17.89	19.00
1.4	256QAM	1	3	17.94	17.92	17.73	19.00
1.4	256QAM	1	5	17.94	17.91	17.80	19.00
1.4	256QAM	3	0	17.98	17.94	17.84	19.00
1.4	256QAM	3	1	18.06	18.08	17.90	19.00
1.4	256QAM	3	3	17.86	17.87	17.63	19.00
1.4	256QAM	6	0	17.86	17.93	17.63	19.00

【LTE Band 4_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.14	23.05	22.92	24.00
20	QPSK	1	49	23.01	23.04	22.83	24.00
20	QPSK	1	99	23.02	22.97	22.81	24.00
20	QPSK	50	0	22.07	22.01	21.74	23.00
20	QPSK	50	24	22.01	21.98	21.76	23.00
20	QPSK	50	50	21.87	21.83	21.60	23.00
20	QPSK	100	0	21.97	21.92	21.65	23.00
20	16QAM	1	0	22.13	22.17	21.91	23.00
20	16QAM	1	49	21.98	22.00	21.83	23.00
20	16QAM	1	99	21.96	22.01	21.77	23.00
20	16QAM	50	0	20.96	21.03	20.82	22.00
20	16QAM	50	24	21.07	21.05	20.91	22.00
20	16QAM	50	50	21.05	21.00	20.78	22.00
20	16QAM	100	0	20.95	21.01	20.78	22.00
20	64QAM	1	0	21.20	21.25	21.02	22.00
20	64QAM	1	49	21.22	21.18	21.03	22.00
20	64QAM	1	99	21.09	21.03	20.77	22.00
20	64QAM	50	0	20.00	20.01	19.86	21.00
20	64QAM	50	24	20.09	20.03	19.82	21.00
20	64QAM	50	50	19.89	19.89	19.73	21.00
20	64QAM	100	0	19.99	19.98	19.77	21.00
20	256QAM	1	0	18.11	18.12	18.00	19.00
20	256QAM	1	49	17.99	18.03	17.88	19.00
20	256QAM	1	99	18.00	18.04	17.85	19.00
20	256QAM	50	0	18.05	18.05	17.87	19.00
20	256QAM	50	24	18.18	18.19	17.99	19.00
20	256QAM	50	50	17.94	17.99	17.75	19.00
20	256QAM	100	0	17.91	17.98	17.73	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.01	23.01	22.86	24.00
15	QPSK	1	37	22.94	22.92	22.77	24.00
15	QPSK	1	74	22.96	22.88	22.72	24.00
15	QPSK	36	0	22.04	21.92	21.72	23.00
15	QPSK	36	20	21.93	21.96	21.71	23.00
15	QPSK	36	39	21.79	21.76	21.57	23.00
15	QPSK	75	0	21.84	21.85	21.60	23.00



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15	16QAM	1	0	22.09	22.07	21.79	23.00
15	16QAM	1	37	21.87	21.90	21.76	23.00
15	16QAM	1	74	21.83	21.90	21.72	23.00
15	16QAM	36	0	20.88	20.91	20.79	22.00
15	16QAM	36	20	21.05	20.90	20.77	22.00
15	16QAM	36	39	21.03	20.91	20.72	22.00
15	16QAM	75	0	20.91	20.91	20.71	22.00
15	64QAM	1	0	21.13	21.24	20.99	22.00
15	64QAM	1	37	21.16	21.12	20.96	22.00
15	64QAM	1	74	21.01	20.91	20.62	22.00
15	64QAM	36	0	19.92	19.98	19.83	21.00
15	64QAM	36	20	20.03	19.92	19.81	21.00
15	64QAM	36	39	19.83	19.76	19.69	21.00
15	64QAM	75	0	19.95	19.83	19.74	21.00
15	256QAM	1	0	18.01	17.99	17.96	19.00
15	256QAM	1	37	17.84	18.00	17.84	19.00
15	256QAM	1	74	17.86	18.00	17.78	19.00
15	256QAM	36	0	17.95	18.03	17.78	19.00
15	256QAM	36	20	18.11	18.08	17.95	19.00
15	256QAM	36	39	17.81	17.97	17.70	19.00
15	256QAM	75	0	17.82	17.86	17.59	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	23.03	22.96	22.78	24.00
10	QPSK	1	25	22.92	23.00	22.71	24.00
10	QPSK	1	49	22.91	22.95	22.69	24.00
10	QPSK	25	0	21.94	21.88	21.65	23.00
10	QPSK	25	12	21.98	21.91	21.61	23.00
10	QPSK	25	25	21.76	21.70	21.57	23.00
10	QPSK	50	0	21.96	21.85	21.57	23.00
10	16QAM	1	0	22.02	22.02	21.81	23.00
10	16QAM	1	25	21.88	21.89	21.79	23.00
10	16QAM	1	49	21.92	21.92	21.64	23.00
10	16QAM	25	0	20.92	20.88	20.76	22.00
10	16QAM	25	12	21.02	20.92	20.84	22.00
10	16QAM	25	25	20.93	20.88	20.63	22.00
10	16QAM	50	0	20.85	20.96	20.64	22.00
10	64QAM	1	0	21.17	21.16	20.97	22.00
10	64QAM	1	25	21.08	21.04	20.88	22.00
10	64QAM	1	49	20.95	21.01	20.66	22.00
10	64QAM	25	0	19.89	19.92	19.71	21.00
10	64QAM	25	12	20.06	19.92	19.72	21.00
10	64QAM	25	25	19.85	19.74	19.61	21.00
10	64QAM	50	0	19.98	19.91	19.64	21.00
10	256QAM	1	0	17.97	18.05	17.95	19.00
10	256QAM	1	25	17.91	17.96	17.84	19.00
10	256QAM	1	49	17.93	17.98	17.78	19.00
10	256QAM	25	0	17.94	17.91	17.73	19.00
10	256QAM	25	12	18.04	18.16	17.96	19.00
10	256QAM	25	25	17.88	17.85	17.73	19.00
10	256QAM	50	0	17.83	17.95	17.65	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.03	22.95	22.84	24.00
5	QPSK	1	12	22.86	23.03	22.81	24.00
5	QPSK	1	24	22.88	22.87	22.78	24.00
5	QPSK	12	0	21.98	21.93	21.72	23.00
5	QPSK	12	7	21.97	21.96	21.74	23.00
5	QPSK	12	13	21.82	21.72	21.46	23.00
5	QPSK	25	0	21.88	21.90	21.63	23.00
5	16QAM	1	0	22.08	22.12	21.76	23.00
5	16QAM	1	12	21.92	21.85	21.70	23.00
5	16QAM	1	24	21.90	21.86	21.72	23.00
5	16QAM	12	0	20.90	20.92	20.71	22.00
5	16QAM	12	7	20.93	21.03	20.77	22.00
5	16QAM	12	13	20.99	20.92	20.69	22.00
5	16QAM	25	0	20.92	20.89	20.69	22.00
5	64QAM	1	0	21.14	21.19	20.90	22.00
5	64QAM	1	12	21.14	21.15	20.98	22.00
5	64QAM	1	24	20.95	20.88	20.75	22.00
5	64QAM	12	0	19.88	19.94	19.78	21.00
5	64QAM	12	7	20.06	19.95	19.78	21.00
5	64QAM	12	13	19.77	19.84	19.61	21.00
5	64QAM	25	0	19.91	19.92	19.75	21.00
5	256QAM	1	0	18.09	17.99	17.93	19.00
5	256QAM	1	12	17.95	17.92	17.81	19.00
5	256QAM	1	24	17.96	18.01	17.74	19.00
5	256QAM	12	0	17.97	18.04	17.82	19.00



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5	256QAM	12	7	18.05	18.09	17.92	19.00
5	256QAM	12	13	17.89	17.95	17.68	19.00
5	256QAM	25	0	17.87	17.85	17.64	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.07	23.00	22.91	24.00
3	QPSK	1	8	22.94	23.03	22.80	24.00
3	QPSK	1	14	22.88	22.88	22.68	24.00
3	QPSK	8	0	22.04	21.95	21.71	23.00
3	QPSK	8	4	21.98	21.94	21.61	23.00
3	QPSK	8	7	21.74	21.69	21.50	23.00
3	QPSK	15	0	21.94	21.83	21.60	23.00
3	16QAM	1	0	22.05	22.05	21.79	23.00
3	16QAM	1	8	21.91	21.86	21.72	23.00
3	16QAM	1	14	21.81	21.87	21.70	23.00
3	16QAM	8	0	20.89	20.91	20.77	22.00
3	16QAM	8	4	21.04	21.01	20.83	22.00
3	16QAM	8	7	20.92	20.91	20.68	22.00
3	16QAM	15	0	20.84	20.89	20.65	22.00
3	64QAM	1	0	21.05	21.15	20.87	22.00
3	64QAM	1	8	21.11	21.08	20.91	22.00
3	64QAM	1	14	21.06	20.90	20.70	22.00
3	64QAM	8	0	19.86	19.99	19.72	21.00
3	64QAM	8	4	20.06	20.00	19.75	21.00
3	64QAM	8	7	19.77	19.75	19.66	21.00
3	64QAM	15	0	19.93	19.88	19.71	21.00
3	256QAM	1	0	18.03	17.98	17.92	19.00
3	256QAM	1	8	17.94	17.89	17.83	19.00
3	256QAM	1	14	17.91	17.93	17.75	19.00
3	256QAM	8	0	17.92	18.01	17.75	19.00
3	256QAM	8	4	18.14	18.05	17.97	19.00
3	256QAM	8	7	17.80	17.85	17.64	19.00
3	256QAM	15	0	17.82	17.93	17.63	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.10	22.94	22.77	24.00
1.4	QPSK	1	3	22.96	23.01	22.76	24.00
1.4	QPSK	1	5	22.97	22.94	22.76	24.00
1.4	QPSK	3	0	22.99	23.00	22.61	24.00
1.4	QPSK	3	1	22.99	22.90	22.65	24.00
1.4	QPSK	3	3	22.76	22.69	22.56	24.00
1.4	QPSK	6	0	21.91	21.88	21.51	23.00
1.4	16QAM	1	0	22.07	22.12	21.87	23.00
1.4	16QAM	1	3	21.91	21.86	21.76	23.00
1.4	16QAM	1	5	21.89	21.93	21.64	23.00
1.4	16QAM	3	0	21.93	21.90	21.74	23.00
1.4	16QAM	3	1	22.05	21.92	21.76	23.00
1.4	16QAM	3	3	21.95	21.85	21.71	23.00
1.4	16QAM	6	0	20.93	20.94	20.67	22.00
1.4	64QAM	1	0	21.07	21.11	20.95	22.00
1.4	64QAM	1	3	21.09	21.14	21.01	22.00
1.4	64QAM	1	5	20.97	20.94	20.68	22.00
1.4	64QAM	3	0	20.88	20.97	20.81	22.00
1.4	64QAM	3	1	20.98	20.98	20.73	22.00
1.4	64QAM	3	3	20.87	20.75	20.68	22.00
1.4	64QAM	6	0	19.87	19.88	19.68	21.00
1.4	256QAM	1	0	18.01	18.09	17.89	19.00
1.4	256QAM	1	3	17.94	17.92	17.73	19.00
1.4	256QAM	1	5	17.94	17.91	17.80	19.00
1.4	256QAM	3	0	17.98	17.94	17.84	19.00
1.4	256QAM	3	1	18.06	18.08	17.90	19.00
1.4	256QAM	3	3	17.86	17.87	17.63	19.00
1.4	256QAM	6	0	17.86	17.93	17.63	19.00



【LTE Band 4_Ant 0_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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	12.50	12.60	12.53	13.50
20	QPSK	1	49	12.48	12.52	12.46	13.50
20	QPSK	1	99	12.53	12.46	12.35	13.50
20	QPSK	50	0	12.53	12.56	12.40	13.50
20	QPSK	50	24	12.55	12.47	12.48	13.50
20	QPSK	50	50	12.61	12.52	12.51	13.50
20	QPSK	100	0	12.66	12.58	12.30	13.50
20	16QAM	1	0	12.64	12.58	12.36	13.50
20	16QAM	1	49	12.51	12.48	12.47	13.50
20	16QAM	1	99	12.49	12.52	12.41	13.50
20	16QAM	50	0	12.56	12.64	12.46	13.50
20	16QAM	50	24	12.47	12.62	12.39	13.50
20	16QAM	50	50	12.61	12.55	12.39	13.50
20	16QAM	100	0	12.43	12.47	12.41	13.50
20	64QAM	1	0	12.49	12.59	12.44	13.50
20	64QAM	1	49	12.59	12.59	12.40	13.50
20	64QAM	1	99	12.53	12.57	12.34	13.50
20	64QAM	50	0	12.47	12.51	12.38	13.50
20	64QAM	50	24	12.54	12.59	12.35	13.50
20	64QAM	50	50	12.45	12.45	12.53	13.50
20	64QAM	100	0	12.66	12.65	12.35	13.50
20	256QAM	1	0	12.64	12.48	12.53	13.50
20	256QAM	1	49	12.59	12.48	12.50	13.50
20	256QAM	1	99	12.43	12.57	12.47	13.50
20	256QAM	50	0	12.61	12.59	12.44	13.50
20	256QAM	50	24	12.42	12.58	12.50	13.50
20	256QAM	50	50	12.64	12.51	12.33	13.50
20	256QAM	100	0	12.55	12.51	12.35	13.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	12.36	12.50	12.49	13.50
15	QPSK	1	37	12.43	12.47	12.40	13.50
15	QPSK	1	74	12.49	12.32	12.27	13.50
15	QPSK	36	0	12.43	12.43	12.34	13.50
15	QPSK	36	20	12.50	12.35	12.44	13.50
15	QPSK	36	39	12.48	12.42	12.49	13.50
15	QPSK	75	0	12.50	12.43	12.23	13.50
15	16QAM	1	0	12.48	12.47	12.32	13.50
15	16QAM	1	37	12.42	12.35	12.34	13.50
15	16QAM	1	74	12.36	12.42	12.38	13.50
15	16QAM	36	0	12.47	12.50	12.40	13.50
15	16QAM	36	20	12.40	12.58	12.36	13.50
15	16QAM	36	39	12.49	12.42	12.35	13.50
15	16QAM	75	0	12.31	12.39	12.36	13.50
15	64QAM	1	0	12.43	12.56	12.30	13.50
15	64QAM	1	37	12.50	12.48	12.39	13.50
15	64QAM	1	74	12.40	12.43	12.26	13.50
15	64QAM	36	0	12.38	12.46	12.30	13.50
15	64QAM	36	20	12.47	12.53	12.32	13.50
15	64QAM	36	39	12.42	12.43	12.43	13.50
15	64QAM	75	0	12.49	12.55	12.21	13.50
15	256QAM	1	0	12.49	12.44	12.46	13.50
15	256QAM	1	37	12.49	12.36	12.35	13.50
15	256QAM	1	74	12.38	12.47	12.45	13.50
15	256QAM	36	0	12.50	12.57	12.33	13.50
15	256QAM	36	20	12.38	12.43	12.42	13.50
15	256QAM	36	39	12.50	12.48	12.25	13.50
15	256QAM	75	0	12.50	12.43	12.20	13.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	12.39	12.59	12.41	13.50
10	QPSK	1	25	12.33	12.37	12.35	13.50
10	QPSK	1	49	12.46	12.38	12.32	13.50
10	QPSK	25	0	12.46	12.41	12.29	13.50
10	QPSK	25	12	12.49	12.37	12.37	13.50
10	QPSK	25	25	12.50	12.46	12.36	13.50
10	QPSK	50	0	12.50	12.47	12.24	13.50
10	16QAM	1	0	12.50	12.51	12.34	13.50
10	16QAM	1	25	12.38	12.37	12.38	13.50
10	16QAM	1	49	12.36	12.40	12.30	13.50
10	16QAM	25	0	12.49	12.51	12.35	13.50



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10	16QAM	25	12	12.42	12.54	12.33	13.50
10	16QAM	25	25	12.50	12.42	12.31	13.50
10	16QAM	50	0	12.31	12.40	12.28	13.50
10	64QAM	1	0	12.41	12.56	12.37	13.50
10	64QAM	1	25	12.45	12.45	12.34	13.50
10	64QAM	1	49	12.40	12.51	12.27	13.50
10	64QAM	25	0	12.40	12.43	12.32	13.50
10	64QAM	25	12	12.49	12.51	12.26	13.50
10	64QAM	25	25	12.38	12.37	12.48	13.50
10	64QAM	50	0	12.50	12.58	12.30	13.50
10	256QAM	1	0	12.49	12.41	12.45	13.50
10	256QAM	1	25	12.50	12.35	12.39	13.50
10	256QAM	1	49	12.37	12.45	12.35	13.50
10	256QAM	25	0	12.50	12.56	12.37	13.50
10	256QAM	25	12	12.39	12.56	12.48	13.50
10	256QAM	25	25	12.49	12.39	12.29	13.50
10	256QAM	50	0	12.48	12.38	12.21	13.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	12.35	12.58	12.49	13.50
5	QPSK	1	12	12.37	12.45	12.32	13.50
5	QPSK	1	24	12.38	12.44	12.28	13.50
5	QPSK	12	0	12.50	12.44	12.32	13.50
5	QPSK	12	7	12.42	12.38	12.38	13.50
5	QPSK	12	13	12.49	12.41	12.49	13.50
5	QPSK	25	0	12.50	12.47	12.18	13.50
5	16QAM	1	0	12.49	12.51	12.33	13.50
5	16QAM	1	12	12.42	12.41	12.36	13.50
5	16QAM	1	24	12.42	12.40	12.29	13.50
5	16QAM	12	0	12.48	12.53	12.35	13.50
5	16QAM	12	7	12.45	12.56	12.36	13.50
5	16QAM	12	13	12.50	12.52	12.30	13.50
5	16QAM	25	0	12.34	12.37	12.32	13.50
5	64QAM	1	0	12.38	12.46	12.32	13.50
5	64QAM	1	12	12.49	12.45	12.34	13.50
5	64QAM	1	24	12.49	12.48	12.25	13.50
5	64QAM	12	0	12.37	12.41	12.29	13.50
5	64QAM	12	7	12.42	12.48	12.23	13.50
5	64QAM	12	13	12.40	12.36	12.49	13.50
5	64QAM	25	0	12.50	12.51	12.33	13.50
5	256QAM	1	0	12.50	12.38	12.47	13.50
5	256QAM	1	12	12.48	12.42	12.41	13.50
5	256QAM	1	24	12.38	12.46	12.44	13.50
5	256QAM	12	0	12.50	12.48	12.40	13.50
5	256QAM	12	7	12.37	12.50	12.38	13.50
5	256QAM	12	13	12.49	12.40	12.25	13.50
5	256QAM	25	0	12.40	12.39	12.29	13.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	12.37	12.47	12.44	13.50
3	QPSK	1	8	12.39	12.49	12.40	13.50
3	QPSK	1	14	12.49	12.42	12.33	13.50
3	QPSK	8	0	12.50	12.44	12.28	13.50
3	QPSK	8	4	12.41	12.40	12.46	13.50
3	QPSK	8	7	12.48	12.50	12.45	13.50
3	QPSK	15	0	12.50	12.54	12.15	13.50
3	16QAM	1	0	12.49	12.47	12.26	13.50
3	16QAM	1	8	12.41	12.46	12.38	13.50
3	16QAM	1	14	12.45	12.50	12.26	13.50
3	16QAM	8	0	12.47	12.50	12.40	13.50
3	16QAM	8	4	12.41	12.52	12.32	13.50
3	16QAM	8	7	12.49	12.47	12.26	13.50
3	16QAM	15	0	12.35	12.45	12.33	13.50
3	64QAM	1	0	12.36	12.52	12.31	13.50
3	64QAM	1	8	12.48	12.46	12.32	13.50
3	64QAM	1	14	12.50	12.49	12.21	13.50
3	64QAM	8	0	12.36	12.46	12.33	13.50
3	64QAM	8	4	12.45	12.53	12.23	13.50
3	64QAM	8	7	12.37	12.33	12.48	13.50
3	64QAM	15	0	12.50	12.57	12.33	13.50
3	256QAM	1	0	12.50	12.37	12.49	13.50
3	256QAM	1	8	12.48	12.35	12.49	13.50
3	256QAM	1	14	12.40	12.54	12.34	13.50
3	256QAM	8	0	12.49	12.54	12.32	13.50
3	256QAM	8	4	12.36	12.53	12.46	13.50
3	256QAM	8	7	12.50	12.37	12.29	13.50
3	256QAM	15	0	12.47	12.45	12.27	13.50
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	12.40	12.55	12.40	13.50
1.4	QPSK	1	3	12.42	12.40	12.32	13.50
1.4	QPSK	1	5	12.48	12.35	12.28	13.50
1.4	QPSK	3	0	12.45	12.53	12.28	13.50
1.4	QPSK	3	1	12.47	12.40	12.34	13.50
1.4	QPSK	3	3	12.50	12.44	12.43	13.50
1.4	QPSK	6	0	12.48	12.51	12.28	13.50
1.4	16QAM	1	0	12.49	12.48	12.32	13.50
1.4	16QAM	1	3	12.39	12.44	12.41	13.50
1.4	16QAM	1	5	12.37	12.38	12.31	13.50
1.4	16QAM	3	0	12.48	12.51	12.39	13.50
1.4	16QAM	3	1	12.42	12.53	12.36	13.50
1.4	16QAM	3	3	12.50	12.45	12.35	13.50
1.4	16QAM	6	0	12.33	12.43	12.36	13.50
1.4	64QAM	1	0	12.36	12.45	12.40	13.50
1.4	64QAM	1	3	12.46	12.52	12.36	13.50
1.4	64QAM	1	5	12.50	12.42	12.31	13.50
1.4	64QAM	3	0	12.34	12.41	12.27	13.50
1.4	64QAM	3	1	12.41	12.53	12.30	13.50
1.4	64QAM	3	3	12.35	12.32	12.42	13.50
1.4	64QAM	6	0	12.50	12.58	12.31	13.50
1.4	256QAM	1	0	12.50	12.37	12.45	13.50
1.4	256QAM	1	3	12.49	12.40	12.48	13.50
1.4	256QAM	1	5	12.28	12.52	12.39	13.50
1.4	256QAM	3	0	12.48	12.55	12.31	13.50
1.4	256QAM	3	1	12.33	12.53	12.42	13.50
1.4	256QAM	3	3	12.50	12.46	12.25	13.50
1.4	256QAM	6	0	12.50	12.41	12.32	13.50

【LTE Band 4_Ant 0_Hotspot 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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	12.50	12.60	12.53	13.50
20	QPSK	1	49	12.48	12.52	12.46	13.50
20	QPSK	1	99	12.53	12.46	12.35	13.50
20	QPSK	50	0	12.53	12.56	12.40	13.50
20	QPSK	50	24	12.55	12.47	12.48	13.50
20	QPSK	50	50	12.61	12.52	12.51	13.50
20	QPSK	100	0	12.66	12.58	12.30	13.50
20	16QAM	1	0	12.64	12.58	12.36	13.50
20	16QAM	1	49	12.51	12.48	12.47	13.50
20	16QAM	1	99	12.49	12.52	12.41	13.50
20	16QAM	50	0	12.56	12.64	12.46	13.50
20	16QAM	50	24	12.47	12.62	12.39	13.50
20	16QAM	50	50	12.61	12.55	12.39	13.50
20	16QAM	100	0	12.43	12.47	12.41	13.50
20	64QAM	1	0	12.49	12.59	12.44	13.50
20	64QAM	1	49	12.59	12.59	12.40	13.50
20	64QAM	1	99	12.53	12.57	12.34	13.50
20	64QAM	50	0	12.47	12.51	12.38	13.50
20	64QAM	50	24	12.54	12.59	12.35	13.50
20	64QAM	50	50	12.45	12.45	12.53	13.50
20	64QAM	100	0	12.66	12.65	12.35	13.50
20	256QAM	1	0	12.64	12.48	12.53	13.50
20	256QAM	1	49	12.59	12.48	12.50	13.50
20	256QAM	1	99	12.43	12.57	12.47	13.50
20	256QAM	50	0	12.61	12.59	12.44	13.50
20	256QAM	50	24	12.42	12.58	12.50	13.50
20	256QAM	50	50	12.64	12.51	12.33	13.50
20	256QAM	100	0	12.55	12.51	12.35	13.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	12.36	12.50	12.49	13.50
15	QPSK	1	37	12.43	12.47	12.40	13.50
15	QPSK	1	74	12.49	12.32	12.27	13.50
15	QPSK	36	0	12.43	12.43	12.34	13.50
15	QPSK	36	20	12.50	12.35	12.44	13.50
15	QPSK	36	39	12.48	12.42	12.49	13.50
15	QPSK	75	0	12.50	12.43	12.23	13.50



15	16QAM	1	0	12.48	12.47	12.32	13.50
15	16QAM	1	37	12.42	12.35	12.34	13.50
15	16QAM	1	74	12.36	12.42	12.38	13.50
15	16QAM	36	0	12.47	12.50	12.40	13.50
15	16QAM	36	20	12.40	12.58	12.36	13.50
15	16QAM	36	39	12.49	12.42	12.35	13.50
15	16QAM	75	0	12.31	12.39	12.36	13.50
15	64QAM	1	0	12.43	12.56	12.30	13.50
15	64QAM	1	37	12.50	12.48	12.39	13.50
15	64QAM	1	74	12.40	12.43	12.26	13.50
15	64QAM	36	0	12.38	12.46	12.30	13.50
15	64QAM	36	20	12.47	12.53	12.32	13.50
15	64QAM	36	39	12.42	12.43	12.43	13.50
15	64QAM	75	0	12.49	12.55	12.21	13.50
15	256QAM	1	0	12.49	12.44	12.46	13.50
15	256QAM	1	37	12.49	12.36	12.35	13.50
15	256QAM	1	74	12.38	12.47	12.45	13.50
15	256QAM	36	0	12.50	12.57	12.33	13.50
15	256QAM	36	20	12.38	12.43	12.42	13.50
15	256QAM	36	39	12.50	12.48	12.25	13.50
15	256QAM	75	0	12.50	12.43	12.20	13.50
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	12.39	12.59	12.41	13.50
10	QPSK	1	25	12.33	12.37	12.35	13.50
10	QPSK	1	49	12.46	12.38	12.32	13.50
10	QPSK	25	0	12.46	12.41	12.29	13.50
10	QPSK	25	12	12.49	12.37	12.37	13.50
10	QPSK	25	25	12.50	12.46	12.36	13.50
10	QPSK	50	0	12.50	12.47	12.24	13.50
10	16QAM	1	0	12.50	12.51	12.34	13.50
10	16QAM	1	25	12.38	12.37	12.38	13.50
10	16QAM	1	49	12.36	12.40	12.30	13.50
10	16QAM	25	0	12.49	12.51	12.35	13.50
10	16QAM	25	12	12.42	12.54	12.33	13.50
10	16QAM	25	25	12.50	12.42	12.31	13.50
10	16QAM	50	0	12.31	12.40	12.28	13.50
10	64QAM	1	0	12.41	12.56	12.37	13.50
10	64QAM	1	25	12.45	12.45	12.34	13.50
10	64QAM	1	49	12.40	12.51	12.27	13.50
10	64QAM	25	0	12.40	12.43	12.32	13.50
10	64QAM	25	12	12.49	12.51	12.26	13.50
10	64QAM	25	25	12.38	12.37	12.48	13.50
10	64QAM	50	0	12.50	12.58	12.30	13.50
10	256QAM	1	0	12.49	12.41	12.45	13.50
10	256QAM	1	25	12.50	12.35	12.39	13.50
10	256QAM	1	49	12.37	12.45	12.35	13.50
10	256QAM	25	0	12.50	12.56	12.37	13.50
10	256QAM	25	12	12.39	12.56	12.48	13.50
10	256QAM	25	25	12.49	12.39	12.29	13.50
10	256QAM	50	0	12.48	12.38	12.21	13.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	12.35	12.58	12.49	13.50
5	QPSK	1	12	12.37	12.45	12.32	13.50
5	QPSK	1	24	12.38	12.44	12.28	13.50
5	QPSK	12	0	12.50	12.44	12.32	13.50
5	QPSK	12	7	12.42	12.38	12.38	13.50
5	QPSK	12	13	12.49	12.41	12.49	13.50
5	QPSK	25	0	12.50	12.47	12.18	13.50
5	16QAM	1	0	12.49	12.51	12.33	13.50
5	16QAM	1	12	12.42	12.41	12.36	13.50
5	16QAM	1	24	12.42	12.40	12.29	13.50
5	16QAM	12	0	12.48	12.53	12.35	13.50
5	16QAM	12	7	12.45	12.56	12.36	13.50
5	16QAM	12	13	12.50	12.52	12.30	13.50
5	16QAM	25	0	12.34	12.37	12.32	13.50
5	64QAM	1	0	12.38	12.46	12.32	13.50
5	64QAM	1	12	12.49	12.45	12.34	13.50
5	64QAM	1	24	12.49	12.48	12.25	13.50
5	64QAM	12	0	12.37	12.41	12.29	13.50
5	64QAM	12	7	12.42	12.48	12.23	13.50
5	64QAM	12	13	12.40	12.36	12.49	13.50
5	64QAM	25	0	12.50	12.51	12.33	13.50
5	256QAM	1	0	12.50	12.38	12.47	13.50
5	256QAM	1	12	12.48	12.42	12.41	13.50
5	256QAM	1	24	12.38	12.46	12.44	13.50
5	256QAM	12	0	12.50	12.48	12.40	13.50



5	256QAM	12	7	12.37	12.50	12.38	13.50
5	256QAM	12	13	12.49	12.40	12.25	13.50
5	256QAM	25	0	12.40	12.39	12.29	13.50
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	12.37	12.47	12.44	13.50
3	QPSK	1	8	12.39	12.49	12.40	13.50
3	QPSK	1	14	12.49	12.42	12.33	13.50
3	QPSK	8	0	12.50	12.44	12.28	13.50
3	QPSK	8	4	12.41	12.40	12.46	13.50
3	QPSK	8	7	12.48	12.50	12.45	13.50
3	QPSK	15	0	12.50	12.54	12.15	13.50
3	16QAM	1	0	12.49	12.47	12.26	13.50
3	16QAM	1	8	12.41	12.46	12.38	13.50
3	16QAM	1	14	12.45	12.50	12.26	13.50
3	16QAM	8	0	12.47	12.50	12.40	13.50
3	16QAM	8	4	12.41	12.52	12.32	13.50
3	16QAM	8	7	12.49	12.47	12.26	13.50
3	16QAM	15	0	12.35	12.45	12.33	13.50
3	64QAM	1	0	12.36	12.52	12.31	13.50
3	64QAM	1	8	12.48	12.46	12.32	13.50
3	64QAM	1	14	12.50	12.49	12.21	13.50
3	64QAM	8	0	12.36	12.46	12.33	13.50
3	64QAM	8	4	12.45	12.53	12.23	13.50
3	64QAM	8	7	12.37	12.33	12.48	13.50
3	64QAM	15	0	12.50	12.57	12.33	13.50
3	256QAM	1	0	12.50	12.37	12.49	13.50
3	256QAM	1	8	12.48	12.35	12.49	13.50
3	256QAM	1	14	12.40	12.54	12.34	13.50
3	256QAM	8	0	12.49	12.54	12.32	13.50
3	256QAM	8	4	12.36	12.53	12.46	13.50
3	256QAM	8	7	12.50	12.37	12.29	13.50
3	256QAM	15	0	12.47	12.45	12.27	13.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	12.40	12.55	12.40	13.50
1.4	QPSK	1	3	12.42	12.40	12.32	13.50
1.4	QPSK	1	5	12.48	12.35	12.28	13.50
1.4	QPSK	3	0	12.45	12.53	12.28	13.50
1.4	QPSK	3	1	12.47	12.40	12.34	13.50
1.4	QPSK	3	3	12.50	12.44	12.43	13.50
1.4	QPSK	6	0	12.48	12.51	12.28	13.50
1.4	16QAM	1	0	12.49	12.48	12.32	13.50
1.4	16QAM	1	3	12.39	12.44	12.41	13.50
1.4	16QAM	1	5	12.37	12.38	12.31	13.50
1.4	16QAM	3	0	12.48	12.51	12.39	13.50
1.4	16QAM	3	1	12.42	12.53	12.36	13.50
1.4	16QAM	3	3	12.50	12.45	12.35	13.50
1.4	16QAM	6	0	12.33	12.43	12.36	13.50
1.4	64QAM	1	0	12.36	12.45	12.40	13.50
1.4	64QAM	1	3	12.46	12.52	12.36	13.50
1.4	64QAM	1	5	12.50	12.42	12.31	13.50
1.4	64QAM	3	0	12.34	12.41	12.27	13.50
1.4	64QAM	3	1	12.41	12.53	12.30	13.50
1.4	64QAM	3	3	12.35	12.32	12.42	13.50
1.4	64QAM	6	0	12.50	12.58	12.31	13.50
1.4	256QAM	1	0	12.50	12.37	12.45	13.50
1.4	256QAM	1	3	12.49	12.40	12.48	13.50
1.4	256QAM	1	5	12.28	12.52	12.39	13.50
1.4	256QAM	3	0	12.48	12.55	12.31	13.50
1.4	256QAM	3	1	12.33	12.53	12.42	13.50
1.4	256QAM	3	3	12.50	12.46	12.25	13.50
1.4	256QAM	6	0	12.50	12.41	12.32	13.50



【LTE Band 4_Ant 1_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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.82	22.93	22.88	24.00
20	QPSK	1	49	22.69	22.81	22.71	24.00
20	QPSK	1	99	22.66	22.84	22.65	24.00
20	QPSK	50	0	21.74	21.98	21.85	23.00
20	QPSK	50	24	21.69	21.94	21.83	23.00
20	QPSK	50	50	21.58	21.79	21.66	23.00
20	QPSK	100	0	21.76	21.95	21.87	23.00
20	16QAM	1	0	21.69	21.94	21.78	23.00
20	16QAM	1	49	21.68	21.85	21.65	23.00
20	16QAM	1	99	21.85	21.99	21.93	23.00
20	16QAM	50	0	20.70	20.95	20.85	22.00
20	16QAM	50	24	20.71	20.89	20.74	22.00
20	16QAM	50	50	20.58	20.81	20.68	22.00
20	16QAM	100	0	20.75	20.92	20.78	22.00
20	64QAM	1	0	20.89	21.07	20.94	22.00
20	64QAM	1	49	20.89	21.06	20.87	22.00
20	64QAM	1	99	20.79	21.00	20.88	22.00
20	64QAM	50	0	19.69	19.91	19.80	21.00
20	64QAM	50	24	19.81	19.96	19.87	21.00
20	64QAM	50	50	19.66	19.88	19.78	21.00
20	64QAM	100	0	19.73	19.97	19.83	21.00
20	256QAM	1	0	17.84	17.97	17.85	19.00
20	256QAM	1	49	17.95	18.06	18.01	19.00
20	256QAM	1	99	17.88	17.98	17.85	19.00
20	256QAM	50	0	17.78	17.91	17.83	19.00
20	256QAM	50	24	17.79	17.94	17.82	19.00
20	256QAM	50	50	17.63	17.83	17.66	19.00
20	256QAM	100	0	17.79	17.97	17.83	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.74	22.89	22.80	24.00
15	QPSK	1	37	22.55	22.68	22.63	24.00
15	QPSK	1	74	22.62	22.71	22.52	24.00
15	QPSK	36	0	21.60	21.86	21.70	23.00
15	QPSK	36	20	21.62	21.92	21.72	23.00
15	QPSK	36	39	21.45	21.68	21.64	23.00
15	QPSK	75	0	21.66	21.86	21.76	23.00
15	16QAM	1	0	21.60	21.88	21.74	23.00
15	16QAM	1	37	21.60	21.72	21.57	23.00
15	16QAM	1	74	21.74	21.98	21.84	23.00
15	16QAM	36	0	20.58	20.93	20.71	22.00
15	16QAM	36	20	20.57	20.80	20.60	22.00
15	16QAM	36	39	20.48	20.72	20.61	22.00
15	16QAM	75	0	20.72	20.80	20.70	22.00
15	64QAM	1	0	20.83	21.05	20.85	22.00
15	64QAM	1	37	20.85	20.91	20.78	22.00
15	64QAM	1	74	20.73	20.88	20.83	22.00
15	64QAM	36	0	19.66	19.84	19.69	21.00
15	64QAM	36	20	19.77	19.94	19.78	21.00
15	64QAM	36	39	19.54	19.74	19.73	21.00
15	64QAM	75	0	19.59	19.89	19.76	21.00
15	256QAM	1	0	17.73	17.82	17.76	19.00
15	256QAM	1	37	17.83	17.95	17.99	19.00
15	256QAM	1	74	17.84	17.84	17.82	19.00
15	256QAM	36	0	17.69	17.86	17.74	19.00
15	256QAM	36	20	17.72	17.90	17.77	19.00
15	256QAM	36	39	17.57	17.73	17.61	19.00
15	256QAM	75	0	17.64	17.94	17.79	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.70	22.86	22.75	24.00
10	QPSK	1	25	22.65	22.70	22.65	24.00
10	QPSK	1	49	22.63	22.80	22.58	24.00
10	QPSK	25	0	21.72	21.86	21.78	23.00
10	QPSK	25	12	21.59	21.88	21.70	23.00
10	QPSK	25	25	21.46	21.78	21.52	23.00
10	QPSK	50	0	21.65	21.90	21.83	23.00
10	16QAM	1	0	21.62	21.89	21.66	23.00
10	16QAM	1	25	21.59	21.75	21.60	23.00
10	16QAM	1	49	21.75	21.89	21.86	23.00
10	16QAM	25	0	20.64	20.90	20.71	22.00



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10	16QAM	25	12	20.57	20.75	20.62	22.00
10	16QAM	25	25	20.52	20.68	20.54	22.00
10	16QAM	50	0	20.60	20.90	20.71	22.00
10	64QAM	1	0	20.87	20.99	20.82	22.00
10	64QAM	1	25	20.82	20.93	20.75	22.00
10	64QAM	1	49	20.78	20.97	20.79	22.00
10	64QAM	25	0	19.68	19.86	19.69	21.00
10	64QAM	25	12	19.74	19.95	19.83	21.00
10	64QAM	25	25	19.55	19.75	19.73	21.00
10	64QAM	50	0	19.67	19.82	19.75	21.00
10	256QAM	1	0	17.71	17.85	17.78	19.00
10	256QAM	1	25	17.85	17.98	17.97	19.00
10	256QAM	1	49	17.75	17.96	17.81	19.00
10	256QAM	25	0	17.64	17.81	17.75	19.00
10	256QAM	25	12	17.74	17.92	17.68	19.00
10	256QAM	25	25	17.59	17.76	17.58	19.00
10	256QAM	50	0	17.69	17.86	17.76	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.71	22.81	22.75	24.00
5	QPSK	1	12	22.66	22.72	22.61	24.00
5	QPSK	1	24	22.65	22.80	22.57	24.00
5	QPSK	12	0	21.72	21.94	21.78	23.00
5	QPSK	12	7	21.68	21.84	21.76	23.00
5	QPSK	12	13	21.48	21.70	21.65	23.00
5	QPSK	25	0	21.73	21.89	21.80	23.00
5	16QAM	1	0	21.67	21.86	21.68	23.00
5	16QAM	1	12	21.64	21.75	21.60	23.00
5	16QAM	1	24	21.77	21.90	21.90	23.00
5	16QAM	12	0	20.60	20.84	20.74	22.00
5	16QAM	12	7	20.62	20.76	20.66	22.00
5	16QAM	12	13	20.44	20.68	20.57	22.00
5	16QAM	25	0	20.69	20.83	20.66	22.00
5	64QAM	1	0	20.77	20.93	20.90	22.00
5	64QAM	1	12	20.85	20.93	20.73	22.00
5	64QAM	1	24	20.75	20.91	20.84	22.00
5	64QAM	12	0	19.67	19.86	19.76	21.00
5	64QAM	12	7	19.78	19.92	19.72	21.00
5	64QAM	12	13	19.55	19.78	19.69	21.00
5	64QAM	25	0	19.60	19.96	19.71	21.00
5	256QAM	1	0	17.69	17.95	17.75	19.00
5	256QAM	1	12	17.86	17.93	17.93	19.00
5	256QAM	1	24	17.74	17.84	17.75	19.00
5	256QAM	12	0	17.74	17.80	17.73	19.00
5	256QAM	12	7	17.73	17.91	17.74	19.00
5	256QAM	12	13	17.50	17.71	17.58	19.00
5	256QAM	25	0	17.69	17.93	17.73	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.81	22.84	22.85	24.00
3	QPSK	1	8	22.55	22.70	22.60	24.00
3	QPSK	1	14	22.60	22.76	22.53	24.00
3	QPSK	8	0	21.66	21.92	21.84	23.00
3	QPSK	8	4	21.59	21.89	21.74	23.00
3	QPSK	8	7	21.48	21.76	21.52	23.00
3	QPSK	15	0	21.73	21.84	21.78	23.00
3	16QAM	1	0	21.65	21.81	21.63	23.00
3	16QAM	1	8	21.54	21.79	21.57	23.00
3	16QAM	1	14	21.80	21.90	21.87	23.00
3	16QAM	8	0	20.68	20.82	20.80	22.00
3	16QAM	8	4	20.61	20.86	20.71	22.00
3	16QAM	8	7	20.54	20.73	20.62	22.00
3	16QAM	15	0	20.65	20.84	20.76	22.00
3	64QAM	1	0	20.82	21.06	20.90	22.00
3	64QAM	1	8	20.88	21.02	20.86	22.00
3	64QAM	1	14	20.76	20.98	20.82	22.00
3	64QAM	8	0	19.66	19.82	19.68	21.00
3	64QAM	8	4	19.70	19.81	19.78	21.00
3	64QAM	8	7	19.59	19.78	19.66	21.00
3	64QAM	15	0	19.58	19.90	19.81	21.00
3	256QAM	1	0	17.74	17.84	17.72	19.00
3	256QAM	1	8	17.82	18.00	17.89	19.00
3	256QAM	1	14	17.79	17.94	17.71	19.00
3	256QAM	8	0	17.67	17.84	17.80	19.00
3	256QAM	8	4	17.68	17.85	17.71	19.00
3	256QAM	8	7	17.57	17.75	17.57	19.00
3	256QAM	15	0	17.77	17.84	17.77	19.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	22.76	22.89	22.80	24.00
1.4	QPSK	1	3	22.55	22.74	22.57	24.00
1.4	QPSK	1	5	22.58	22.78	22.60	24.00
1.4	QPSK	3	0	22.62	22.88	22.74	24.00
1.4	QPSK	3	1	22.55	22.85	22.78	24.00
1.4	QPSK	3	3	22.45	22.78	22.57	24.00
1.4	QPSK	6	0	21.75	21.81	21.81	23.00
1.4	16QAM	1	0	21.59	21.85	21.69	23.00
1.4	16QAM	1	3	21.61	21.72	21.50	23.00
1.4	16QAM	1	5	21.77	21.94	21.81	23.00
1.4	16QAM	3	0	21.60	21.81	21.80	23.00
1.4	16QAM	3	1	21.67	21.87	21.72	23.00
1.4	16QAM	3	3	21.51	21.71	21.62	23.00
1.4	16QAM	6	0	20.71	20.87	20.77	22.00
1.4	64QAM	1	0	20.86	21.02	20.84	22.00
1.4	64QAM	1	3	20.81	20.94	20.76	22.00
1.4	64QAM	1	5	20.76	20.91	20.78	22.00
1.4	64QAM	3	0	20.66	20.79	20.72	22.00
1.4	64QAM	3	1	20.77	20.90	20.77	22.00
1.4	64QAM	3	3	20.63	20.83	20.76	22.00
1.4	64QAM	6	0	19.67	19.85	19.70	21.00
1.4	256QAM	1	0	17.74	17.88	17.73	19.00
1.4	256QAM	1	3	17.89	17.96	17.87	19.00
1.4	256QAM	1	5	17.74	17.94	17.70	19.00
1.4	256QAM	3	0	17.77	17.78	17.77	19.00
1.4	256QAM	3	1	17.68	17.89	17.71	19.00
1.4	256QAM	3	3	17.61	17.81	17.61	19.00
1.4	256QAM	6	0	17.69	17.88	17.79	19.00

【LTE Band 4_Ant 1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.82	22.93	22.88	24.00
20	QPSK	1	49	22.69	22.81	22.71	24.00
20	QPSK	1	99	22.66	22.84	22.65	24.00
20	QPSK	50	0	21.74	21.98	21.85	23.00
20	QPSK	50	24	21.69	21.94	21.83	23.00
20	QPSK	50	50	21.58	21.79	21.66	23.00
20	QPSK	100	0	21.76	21.95	21.87	23.00
20	16QAM	1	0	21.69	21.94	21.78	23.00
20	16QAM	1	49	21.68	21.85	21.65	23.00
20	16QAM	1	99	21.85	21.99	21.93	23.00
20	16QAM	50	0	20.70	20.95	20.85	22.00
20	16QAM	50	24	20.71	20.89	20.74	22.00
20	16QAM	50	50	20.58	20.81	20.68	22.00
20	16QAM	100	0	20.75	20.92	20.78	22.00
20	64QAM	1	0	20.89	21.07	20.94	22.00
20	64QAM	1	49	20.89	21.06	20.87	22.00
20	64QAM	1	99	20.79	21.00	20.88	22.00
20	64QAM	50	0	19.69	19.91	19.80	21.00
20	64QAM	50	24	19.81	19.96	19.87	21.00
20	64QAM	50	50	19.66	19.88	19.78	21.00
20	64QAM	100	0	19.73	19.97	19.83	21.00
20	256QAM	1	0	17.84	17.97	17.85	19.00
20	256QAM	1	49	17.95	18.06	18.01	19.00
20	256QAM	1	99	17.88	17.98	17.85	19.00
20	256QAM	50	0	17.78	17.91	17.83	19.00
20	256QAM	50	24	17.79	17.94	17.82	19.00
20	256QAM	50	50	17.63	17.83	17.66	19.00
20	256QAM	100	0	17.79	17.97	17.83	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.74	22.89	22.80	24.00
15	QPSK	1	37	22.55	22.68	22.63	24.00
15	QPSK	1	74	22.62	22.71	22.52	24.00
15	QPSK	36	0	21.60	21.86	21.70	23.00
15	QPSK	36	20	21.62	21.92	21.72	23.00
15	QPSK	36	39	21.45	21.68	21.64	23.00
15	QPSK	75	0	21.66	21.86	21.76	23.00



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15	16QAM	1	0	21.60	21.88	21.74	23.00
15	16QAM	1	37	21.60	21.72	21.57	23.00
15	16QAM	1	74	21.74	21.98	21.84	23.00
15	16QAM	36	0	20.58	20.93	20.71	22.00
15	16QAM	36	20	20.57	20.80	20.60	22.00
15	16QAM	36	39	20.48	20.72	20.61	22.00
15	16QAM	75	0	20.72	20.80	20.70	22.00
15	64QAM	1	0	20.83	21.05	20.85	22.00
15	64QAM	1	37	20.85	20.91	20.78	22.00
15	64QAM	1	74	20.73	20.88	20.83	22.00
15	64QAM	36	0	19.66	19.84	19.69	21.00
15	64QAM	36	20	19.77	19.94	19.78	21.00
15	64QAM	36	39	19.54	19.74	19.73	21.00
15	64QAM	75	0	19.59	19.89	19.76	21.00
15	256QAM	1	0	17.73	17.82	17.76	19.00
15	256QAM	1	37	17.83	17.95	17.99	19.00
15	256QAM	1	74	17.84	17.84	17.82	19.00
15	256QAM	36	0	17.69	17.86	17.74	19.00
15	256QAM	36	20	17.72	17.90	17.77	19.00
15	256QAM	36	39	17.57	17.73	17.61	19.00
15	256QAM	75	0	17.64	17.94	17.79	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	22.70	22.86	22.75	24.00
10	QPSK	1	25	22.65	22.70	22.65	24.00
10	QPSK	1	49	22.63	22.80	22.58	24.00
10	QPSK	25	0	21.72	21.86	21.78	23.00
10	QPSK	25	12	21.59	21.88	21.70	23.00
10	QPSK	25	25	21.46	21.78	21.52	23.00
10	QPSK	50	0	21.65	21.90	21.83	23.00
10	16QAM	1	0	21.62	21.89	21.66	23.00
10	16QAM	1	25	21.59	21.75	21.60	23.00
10	16QAM	1	49	21.75	21.89	21.86	23.00
10	16QAM	25	0	20.64	20.90	20.71	22.00
10	16QAM	25	12	20.57	20.75	20.62	22.00
10	16QAM	25	25	20.52	20.68	20.54	22.00
10	16QAM	50	0	20.60	20.90	20.71	22.00
10	64QAM	1	0	20.87	20.99	20.82	22.00
10	64QAM	1	25	20.82	20.93	20.75	22.00
10	64QAM	1	49	20.78	20.97	20.79	22.00
10	64QAM	25	0	19.68	19.86	19.69	21.00
10	64QAM	25	12	19.74	19.95	19.83	21.00
10	64QAM	25	25	19.55	19.75	19.73	21.00
10	64QAM	50	0	19.67	19.82	19.75	21.00
10	256QAM	1	0	17.71	17.85	17.78	19.00
10	256QAM	1	25	17.85	17.98	17.97	19.00
10	256QAM	1	49	17.75	17.96	17.81	19.00
10	256QAM	25	0	17.64	17.81	17.75	19.00
10	256QAM	25	12	17.74	17.92	17.68	19.00
10	256QAM	25	25	17.59	17.76	17.58	19.00
10	256QAM	50	0	17.69	17.86	17.76	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	22.71	22.81	22.75	24.00
5	QPSK	1	12	22.66	22.72	22.61	24.00
5	QPSK	1	24	22.65	22.80	22.57	24.00
5	QPSK	12	0	21.72	21.94	21.78	23.00
5	QPSK	12	7	21.68	21.84	21.76	23.00
5	QPSK	12	13	21.48	21.70	21.65	23.00
5	QPSK	25	0	21.73	21.89	21.80	23.00
5	16QAM	1	0	21.67	21.86	21.68	23.00
5	16QAM	1	12	21.64	21.75	21.60	23.00
5	16QAM	1	24	21.77	21.90	21.90	23.00
5	16QAM	12	0	20.60	20.84	20.74	22.00
5	16QAM	12	7	20.62	20.76	20.66	22.00
5	16QAM	12	13	20.44	20.68	20.57	22.00
5	16QAM	25	0	20.69	20.83	20.66	22.00
5	64QAM	1	0	20.77	20.93	20.90	22.00
5	64QAM	1	12	20.85	20.93	20.73	22.00
5	64QAM	1	24	20.75	20.91	20.84	22.00
5	64QAM	12	0	19.67	19.86	19.76	21.00
5	64QAM	12	7	19.78	19.92	19.72	21.00
5	64QAM	12	13	19.55	19.78	19.69	21.00
5	64QAM	25	0	19.60	19.96	19.71	21.00
5	256QAM	1	0	17.69	17.95	17.75	19.00
5	256QAM	1	12	17.86	17.93	17.93	19.00
5	256QAM	1	24	17.74	17.84	17.75	19.00
5	256QAM	12	0	17.74	17.80	17.73	19.00



5	256QAM	12	7	17.73	17.91	17.74	19.00
5	256QAM	12	13	17.50	17.71	17.58	19.00
5	256QAM	25	0	17.69	17.93	17.73	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.81	22.84	22.85	24.00
3	QPSK	1	8	22.55	22.70	22.60	24.00
3	QPSK	1	14	22.60	22.76	22.53	24.00
3	QPSK	8	0	21.66	21.92	21.84	23.00
3	QPSK	8	4	21.59	21.89	21.74	23.00
3	QPSK	8	7	21.48	21.76	21.52	23.00
3	QPSK	15	0	21.73	21.84	21.78	23.00
3	16QAM	1	0	21.65	21.81	21.63	23.00
3	16QAM	1	8	21.54	21.79	21.57	23.00
3	16QAM	1	14	21.80	21.90	21.87	23.00
3	16QAM	8	0	20.68	20.82	20.80	22.00
3	16QAM	8	4	20.61	20.86	20.71	22.00
3	16QAM	8	7	20.54	20.73	20.62	22.00
3	16QAM	15	0	20.65	20.84	20.76	22.00
3	64QAM	1	0	20.82	21.06	20.90	22.00
3	64QAM	1	8	20.88	21.02	20.86	22.00
3	64QAM	1	14	20.76	20.98	20.82	22.00
3	64QAM	8	0	19.66	19.82	19.68	21.00
3	64QAM	8	4	19.70	19.81	19.78	21.00
3	64QAM	8	7	19.59	19.78	19.66	21.00
3	64QAM	15	0	19.58	19.90	19.81	21.00
3	256QAM	1	0	17.74	17.84	17.72	19.00
3	256QAM	1	8	17.82	18.00	17.89	19.00
3	256QAM	1	14	17.79	17.94	17.71	19.00
3	256QAM	8	0	17.67	17.84	17.80	19.00
3	256QAM	8	4	17.68	17.85	17.71	19.00
3	256QAM	8	7	17.57	17.75	17.57	19.00
3	256QAM	15	0	17.77	17.84	17.77	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.76	22.89	22.80	24.00
1.4	QPSK	1	3	22.55	22.74	22.57	24.00
1.4	QPSK	1	5	22.58	22.78	22.60	24.00
1.4	QPSK	3	0	22.62	22.88	22.74	24.00
1.4	QPSK	3	1	22.55	22.85	22.78	24.00
1.4	QPSK	3	3	22.45	22.78	22.57	24.00
1.4	QPSK	6	0	21.75	21.81	21.81	23.00
1.4	16QAM	1	0	21.59	21.85	21.69	23.00
1.4	16QAM	1	3	21.61	21.72	21.50	23.00
1.4	16QAM	1	5	21.77	21.94	21.81	23.00
1.4	16QAM	3	0	21.60	21.81	21.80	23.00
1.4	16QAM	3	1	21.67	21.87	21.72	23.00
1.4	16QAM	3	3	21.51	21.71	21.62	23.00
1.4	16QAM	6	0	20.71	20.87	20.77	22.00
1.4	64QAM	1	0	20.86	21.02	20.84	22.00
1.4	64QAM	1	3	20.81	20.94	20.76	22.00
1.4	64QAM	1	5	20.76	20.91	20.78	22.00
1.4	64QAM	3	0	20.66	20.79	20.72	22.00
1.4	64QAM	3	1	20.77	20.90	20.77	22.00
1.4	64QAM	3	3	20.63	20.83	20.76	22.00
1.4	64QAM	6	0	19.67	19.85	19.70	21.00
1.4	256QAM	1	0	17.74	17.88	17.73	19.00
1.4	256QAM	1	3	17.89	17.96	17.87	19.00
1.4	256QAM	1	5	17.74	17.94	17.70	19.00
1.4	256QAM	3	0	17.77	17.78	17.77	19.00
1.4	256QAM	3	1	17.68	17.89	17.71	19.00
1.4	256QAM	3	3	17.61	17.81	17.61	19.00
1.4	256QAM	6	0	17.69	17.88	17.79	19.00



【LTE Band 4_Ant 1_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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.82	22.93	22.88	24.00
20	QPSK	1	49	22.69	22.81	22.71	24.00
20	QPSK	1	99	22.66	22.84	22.65	24.00
20	QPSK	50	0	21.74	21.98	21.85	23.00
20	QPSK	50	24	21.69	21.94	21.83	23.00
20	QPSK	50	50	21.58	21.79	21.66	23.00
20	QPSK	100	0	21.76	21.95	21.87	23.00
20	16QAM	1	0	21.69	21.94	21.78	23.00
20	16QAM	1	49	21.68	21.85	21.65	23.00
20	16QAM	1	99	21.85	21.99	21.93	23.00
20	16QAM	50	0	20.70	20.95	20.85	22.00
20	16QAM	50	24	20.71	20.89	20.74	22.00
20	16QAM	50	50	20.58	20.81	20.68	22.00
20	16QAM	100	0	20.75	20.92	20.78	22.00
20	64QAM	1	0	20.89	21.07	20.94	22.00
20	64QAM	1	49	20.89	21.06	20.87	22.00
20	64QAM	1	99	20.79	21.00	20.88	22.00
20	64QAM	50	0	19.69	19.91	19.80	21.00
20	64QAM	50	24	19.81	19.96	19.87	21.00
20	64QAM	50	50	19.66	19.88	19.78	21.00
20	64QAM	100	0	19.73	19.97	19.83	21.00
20	256QAM	1	0	17.84	17.97	17.85	19.00
20	256QAM	1	49	17.95	18.06	18.01	19.00
20	256QAM	1	99	17.88	17.98	17.85	19.00
20	256QAM	50	0	17.78	17.91	17.83	19.00
20	256QAM	50	24	17.79	17.94	17.82	19.00
20	256QAM	50	50	17.63	17.83	17.66	19.00
20	256QAM	100	0	17.79	17.97	17.83	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.74	22.89	22.80	24.00
15	QPSK	1	37	22.55	22.68	22.63	24.00
15	QPSK	1	74	22.62	22.71	22.52	24.00
15	QPSK	36	0	21.60	21.86	21.70	23.00
15	QPSK	36	20	21.62	21.92	21.72	23.00
15	QPSK	36	39	21.45	21.68	21.64	23.00
15	QPSK	75	0	21.66	21.86	21.76	23.00
15	16QAM	1	0	21.60	21.88	21.74	23.00
15	16QAM	1	37	21.60	21.72	21.57	23.00
15	16QAM	1	74	21.74	21.98	21.84	23.00
15	16QAM	36	0	20.58	20.93	20.71	22.00
15	16QAM	36	20	20.57	20.80	20.60	22.00
15	16QAM	36	39	20.48	20.72	20.61	22.00
15	16QAM	75	0	20.72	20.80	20.70	22.00
15	64QAM	1	0	20.83	21.05	20.85	22.00
15	64QAM	1	37	20.85	20.91	20.78	22.00
15	64QAM	1	74	20.73	20.88	20.83	22.00
15	64QAM	36	0	19.66	19.84	19.69	21.00
15	64QAM	36	20	19.77	19.94	19.78	21.00
15	64QAM	36	39	19.54	19.74	19.73	21.00
15	64QAM	75	0	19.59	19.89	19.76	21.00
15	256QAM	1	0	17.73	17.82	17.76	19.00
15	256QAM	1	37	17.83	17.95	17.99	19.00
15	256QAM	1	74	17.84	17.84	17.82	19.00
15	256QAM	36	0	17.69	17.86	17.74	19.00
15	256QAM	36	20	17.72	17.90	17.77	19.00
15	256QAM	36	39	17.57	17.73	17.61	19.00
15	256QAM	75	0	17.64	17.94	17.79	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.70	22.86	22.75	24.00
10	QPSK	1	25	22.65	22.70	22.65	24.00
10	QPSK	1	49	22.63	22.80	22.58	24.00
10	QPSK	25	0	21.72	21.86	21.78	23.00
10	QPSK	25	12	21.59	21.88	21.70	23.00
10	QPSK	25	25	21.46	21.78	21.52	23.00
10	QPSK	50	0	21.65	21.90	21.83	23.00
10	16QAM	1	0	21.62	21.89	21.66	23.00
10	16QAM	1	25	21.59	21.75	21.60	23.00
10	16QAM	1	49	21.75	21.89	21.86	23.00
10	16QAM	25	0	20.64	20.90	20.71	22.00



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10	16QAM	25	12	20.57	20.75	20.62	22.00
10	16QAM	25	25	20.52	20.68	20.54	22.00
10	16QAM	50	0	20.60	20.90	20.71	22.00
10	64QAM	1	0	20.87	20.99	20.82	22.00
10	64QAM	1	25	20.82	20.93	20.75	22.00
10	64QAM	1	49	20.78	20.97	20.79	22.00
10	64QAM	25	0	19.68	19.86	19.69	21.00
10	64QAM	25	12	19.74	19.95	19.83	21.00
10	64QAM	25	25	19.55	19.75	19.73	21.00
10	64QAM	50	0	19.67	19.82	19.75	21.00
10	256QAM	1	0	17.71	17.85	17.78	19.00
10	256QAM	1	25	17.85	17.98	17.97	19.00
10	256QAM	1	49	17.75	17.96	17.81	19.00
10	256QAM	25	0	17.64	17.81	17.75	19.00
10	256QAM	25	12	17.74	17.92	17.68	19.00
10	256QAM	25	25	17.59	17.76	17.58	19.00
10	256QAM	50	0	17.69	17.86	17.76	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.71	22.81	22.75	24.00
5	QPSK	1	12	22.66	22.72	22.61	24.00
5	QPSK	1	24	22.65	22.80	22.57	24.00
5	QPSK	12	0	21.72	21.94	21.78	23.00
5	QPSK	12	7	21.68	21.84	21.76	23.00
5	QPSK	12	13	21.48	21.70	21.65	23.00
5	QPSK	25	0	21.73	21.89	21.80	23.00
5	16QAM	1	0	21.67	21.86	21.68	23.00
5	16QAM	1	12	21.64	21.75	21.60	23.00
5	16QAM	1	24	21.77	21.90	21.90	23.00
5	16QAM	12	0	20.60	20.84	20.74	22.00
5	16QAM	12	7	20.62	20.76	20.66	22.00
5	16QAM	12	13	20.44	20.68	20.57	22.00
5	16QAM	25	0	20.69	20.83	20.66	22.00
5	64QAM	1	0	20.77	20.93	20.90	22.00
5	64QAM	1	12	20.85	20.93	20.73	22.00
5	64QAM	1	24	20.75	20.91	20.84	22.00
5	64QAM	12	0	19.67	19.86	19.76	21.00
5	64QAM	12	7	19.78	19.92	19.72	21.00
5	64QAM	12	13	19.55	19.78	19.69	21.00
5	64QAM	25	0	19.60	19.96	19.71	21.00
5	256QAM	1	0	17.69	17.95	17.75	19.00
5	256QAM	1	12	17.86	17.93	17.93	19.00
5	256QAM	1	24	17.74	17.84	17.75	19.00
5	256QAM	12	0	17.74	17.80	17.73	19.00
5	256QAM	12	7	17.73	17.91	17.74	19.00
5	256QAM	12	13	17.50	17.71	17.58	19.00
5	256QAM	25	0	17.69	17.93	17.73	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.81	22.84	22.85	24.00
3	QPSK	1	8	22.55	22.70	22.60	24.00
3	QPSK	1	14	22.60	22.76	22.53	24.00
3	QPSK	8	0	21.66	21.92	21.84	23.00
3	QPSK	8	4	21.59	21.89	21.74	23.00
3	QPSK	8	7	21.48	21.76	21.52	23.00
3	QPSK	15	0	21.73	21.84	21.78	23.00
3	16QAM	1	0	21.65	21.81	21.63	23.00
3	16QAM	1	8	21.54	21.79	21.57	23.00
3	16QAM	1	14	21.80	21.90	21.87	23.00
3	16QAM	8	0	20.68	20.82	20.80	22.00
3	16QAM	8	4	20.61	20.86	20.71	22.00
3	16QAM	8	7	20.54	20.73	20.62	22.00
3	16QAM	15	0	20.65	20.84	20.76	22.00
3	64QAM	1	0	20.82	21.06	20.90	22.00
3	64QAM	1	8	20.88	21.02	20.86	22.00
3	64QAM	1	14	20.76	20.98	20.82	22.00
3	64QAM	8	0	19.66	19.82	19.68	21.00
3	64QAM	8	4	19.70	19.81	19.78	21.00
3	64QAM	8	7	19.59	19.78	19.66	21.00
3	64QAM	15	0	19.58	19.90	19.81	21.00
3	256QAM	1	0	17.74	17.84	17.72	19.00
3	256QAM	1	8	17.82	18.00	17.89	19.00
3	256QAM	1	14	17.79	17.94	17.71	19.00
3	256QAM	8	0	17.67	17.84	17.80	19.00
3	256QAM	8	4	17.68	17.85	17.71	19.00
3	256QAM	8	7	17.57	17.75	17.57	19.00
3	256QAM	15	0	17.77	17.84	17.77	19.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	22.76	22.89	22.80	24.00
1.4	QPSK	1	3	22.55	22.74	22.57	24.00
1.4	QPSK	1	5	22.58	22.78	22.60	24.00
1.4	QPSK	3	0	22.62	22.88	22.74	24.00
1.4	QPSK	3	1	22.55	22.85	22.78	24.00
1.4	QPSK	3	3	22.45	22.78	22.57	24.00
1.4	QPSK	6	0	21.75	21.81	21.81	23.00
1.4	16QAM	1	0	21.59	21.85	21.69	23.00
1.4	16QAM	1	3	21.61	21.72	21.50	23.00
1.4	16QAM	1	5	21.77	21.94	21.81	23.00
1.4	16QAM	3	0	21.60	21.81	21.80	23.00
1.4	16QAM	3	1	21.67	21.87	21.72	23.00
1.4	16QAM	3	3	21.51	21.71	21.62	23.00
1.4	16QAM	6	0	20.71	20.87	20.77	22.00
1.4	64QAM	1	0	20.86	21.02	20.84	22.00
1.4	64QAM	1	3	20.81	20.94	20.76	22.00
1.4	64QAM	1	5	20.76	20.91	20.78	22.00
1.4	64QAM	3	0	20.66	20.79	20.72	22.00
1.4	64QAM	3	1	20.77	20.90	20.77	22.00
1.4	64QAM	3	3	20.63	20.83	20.76	22.00
1.4	64QAM	6	0	19.67	19.85	19.70	21.00
1.4	256QAM	1	0	17.74	17.88	17.73	19.00
1.4	256QAM	1	3	17.89	17.96	17.87	19.00
1.4	256QAM	1	5	17.74	17.94	17.70	19.00
1.4	256QAM	3	0	17.77	17.78	17.77	19.00
1.4	256QAM	3	1	17.68	17.89	17.71	19.00
1.4	256QAM	3	3	17.61	17.81	17.61	19.00
1.4	256QAM	6	0	17.69	17.88	17.79	19.00

【LTE Band 4_Ant 1_Hotspot 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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.82	22.93	22.88	24.00
20	QPSK	1	49	22.69	22.81	22.71	24.00
20	QPSK	1	99	22.66	22.84	22.65	24.00
20	QPSK	50	0	21.74	21.98	21.85	23.00
20	QPSK	50	24	21.69	21.94	21.83	23.00
20	QPSK	50	50	21.58	21.79	21.66	23.00
20	QPSK	100	0	21.76	21.95	21.87	23.00
20	16QAM	1	0	21.69	21.94	21.78	23.00
20	16QAM	1	49	21.68	21.85	21.65	23.00
20	16QAM	1	99	21.85	21.99	21.93	23.00
20	16QAM	50	0	20.70	20.95	20.85	22.00
20	16QAM	50	24	20.71	20.89	20.74	22.00
20	16QAM	50	50	20.58	20.81	20.68	22.00
20	16QAM	100	0	20.75	20.92	20.78	22.00
20	64QAM	1	0	20.89	21.07	20.94	22.00
20	64QAM	1	49	20.89	21.06	20.87	22.00
20	64QAM	1	99	20.79	21.00	20.88	22.00
20	64QAM	50	0	19.69	19.91	19.80	21.00
20	64QAM	50	24	19.81	19.96	19.87	21.00
20	64QAM	50	50	19.66	19.88	19.78	21.00
20	64QAM	100	0	19.73	19.97	19.83	21.00
20	256QAM	1	0	17.84	17.97	17.85	19.00
20	256QAM	1	49	17.95	18.06	18.01	19.00
20	256QAM	1	99	17.88	17.98	17.85	19.00
20	256QAM	50	0	17.78	17.91	17.83	19.00
20	256QAM	50	24	17.79	17.94	17.82	19.00
20	256QAM	50	50	17.63	17.83	17.66	19.00
20	256QAM	100	0	17.79	17.97	17.83	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.74	22.89	22.80	24.00
15	QPSK	1	37	22.55	22.68	22.63	24.00
15	QPSK	1	74	22.62	22.71	22.52	24.00
15	QPSK	36	0	21.60	21.86	21.70	23.00
15	QPSK	36	20	21.62	21.92	21.72	23.00
15	QPSK	36	39	21.45	21.68	21.64	23.00
15	QPSK	75	0	21.66	21.86	21.76	23.00



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15	16QAM	1	0	21.60	21.88	21.74	23.00
15	16QAM	1	37	21.60	21.72	21.57	23.00
15	16QAM	1	74	21.74	21.98	21.84	23.00
15	16QAM	36	0	20.58	20.93	20.71	22.00
15	16QAM	36	20	20.57	20.80	20.60	22.00
15	16QAM	36	39	20.48	20.72	20.61	22.00
15	16QAM	75	0	20.72	20.80	20.70	22.00
15	64QAM	1	0	20.83	21.05	20.85	22.00
15	64QAM	1	37	20.85	20.91	20.78	22.00
15	64QAM	1	74	20.73	20.88	20.83	22.00
15	64QAM	36	0	19.66	19.84	19.69	21.00
15	64QAM	36	20	19.77	19.94	19.78	21.00
15	64QAM	36	39	19.54	19.74	19.73	21.00
15	64QAM	75	0	19.59	19.89	19.76	21.00
15	256QAM	1	0	17.73	17.82	17.76	19.00
15	256QAM	1	37	17.83	17.95	17.99	19.00
15	256QAM	1	74	17.84	17.84	17.82	19.00
15	256QAM	36	0	17.69	17.86	17.74	19.00
15	256QAM	36	20	17.72	17.90	17.77	19.00
15	256QAM	36	39	17.57	17.73	17.61	19.00
15	256QAM	75	0	17.64	17.94	17.79	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	22.70	22.86	22.75	24.00
10	QPSK	1	25	22.65	22.70	22.65	24.00
10	QPSK	1	49	22.63	22.80	22.58	24.00
10	QPSK	25	0	21.72	21.86	21.78	23.00
10	QPSK	25	12	21.59	21.88	21.70	23.00
10	QPSK	25	25	21.46	21.78	21.52	23.00
10	QPSK	50	0	21.65	21.90	21.83	23.00
10	16QAM	1	0	21.62	21.89	21.66	23.00
10	16QAM	1	25	21.59	21.75	21.60	23.00
10	16QAM	1	49	21.75	21.89	21.86	23.00
10	16QAM	25	0	20.64	20.90	20.71	22.00
10	16QAM	25	12	20.57	20.75	20.62	22.00
10	16QAM	25	25	20.52	20.68	20.54	22.00
10	16QAM	50	0	20.60	20.90	20.71	22.00
10	64QAM	1	0	20.87	20.99	20.82	22.00
10	64QAM	1	25	20.82	20.93	20.75	22.00
10	64QAM	1	49	20.78	20.97	20.79	22.00
10	64QAM	25	0	19.68	19.86	19.69	21.00
10	64QAM	25	12	19.74	19.95	19.83	21.00
10	64QAM	25	25	19.55	19.75	19.73	21.00
10	64QAM	50	0	19.67	19.82	19.75	21.00
10	256QAM	1	0	17.71	17.85	17.78	19.00
10	256QAM	1	25	17.85	17.98	17.97	19.00
10	256QAM	1	49	17.75	17.96	17.81	19.00
10	256QAM	25	0	17.64	17.81	17.75	19.00
10	256QAM	25	12	17.74	17.92	17.68	19.00
10	256QAM	25	25	17.59	17.76	17.58	19.00
10	256QAM	50	0	17.69	17.86	17.76	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	22.71	22.81	22.75	24.00
5	QPSK	1	12	22.66	22.72	22.61	24.00
5	QPSK	1	24	22.65	22.80	22.57	24.00
5	QPSK	12	0	21.72	21.94	21.78	23.00
5	QPSK	12	7	21.68	21.84	21.76	23.00
5	QPSK	12	13	21.48	21.70	21.65	23.00
5	QPSK	25	0	21.73	21.89	21.80	23.00
5	16QAM	1	0	21.67	21.86	21.68	23.00
5	16QAM	1	12	21.64	21.75	21.60	23.00
5	16QAM	1	24	21.77	21.90	21.90	23.00
5	16QAM	12	0	20.60	20.84	20.74	22.00
5	16QAM	12	7	20.62	20.76	20.66	22.00
5	16QAM	12	13	20.44	20.68	20.57	22.00
5	16QAM	25	0	20.69	20.83	20.66	22.00
5	64QAM	1	0	20.77	20.93	20.90	22.00
5	64QAM	1	12	20.85	20.93	20.73	22.00
5	64QAM	1	24	20.75	20.91	20.84	22.00
5	64QAM	12	0	19.67	19.86	19.76	21.00
5	64QAM	12	7	19.78	19.92	19.72	21.00
5	64QAM	12	13	19.55	19.78	19.69	21.00
5	64QAM	25	0	19.60	19.96	19.71	21.00
5	256QAM	1	0	17.69	17.95	17.75	19.00
5	256QAM	1	12	17.86	17.93	17.93	19.00
5	256QAM	1	24	17.74	17.84	17.75	19.00
5	256QAM	12	0	17.74	17.80	17.73	19.00



5	256QAM	12	7	17.73	17.91	17.74	19.00
5	256QAM	12	13	17.50	17.71	17.58	19.00
5	256QAM	25	0	17.69	17.93	17.73	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.81	22.84	22.85	24.00
3	QPSK	1	8	22.55	22.70	22.60	24.00
3	QPSK	1	14	22.60	22.76	22.53	24.00
3	QPSK	8	0	21.66	21.92	21.84	23.00
3	QPSK	8	4	21.59	21.89	21.74	23.00
3	QPSK	8	7	21.48	21.76	21.52	23.00
3	QPSK	15	0	21.73	21.84	21.78	23.00
3	16QAM	1	0	21.65	21.81	21.63	23.00
3	16QAM	1	8	21.54	21.79	21.57	23.00
3	16QAM	1	14	21.80	21.90	21.87	23.00
3	16QAM	8	0	20.68	20.82	20.80	22.00
3	16QAM	8	4	20.61	20.86	20.71	22.00
3	16QAM	8	7	20.54	20.73	20.62	22.00
3	16QAM	15	0	20.65	20.84	20.76	22.00
3	64QAM	1	0	20.82	21.06	20.90	22.00
3	64QAM	1	8	20.88	21.02	20.86	22.00
3	64QAM	1	14	20.76	20.98	20.82	22.00
3	64QAM	8	0	19.66	19.82	19.68	21.00
3	64QAM	8	4	19.70	19.81	19.78	21.00
3	64QAM	8	7	19.59	19.78	19.66	21.00
3	64QAM	15	0	19.58	19.90	19.81	21.00
3	256QAM	1	0	17.74	17.84	17.72	19.00
3	256QAM	1	8	17.82	18.00	17.89	19.00
3	256QAM	1	14	17.79	17.94	17.71	19.00
3	256QAM	8	0	17.67	17.84	17.80	19.00
3	256QAM	8	4	17.68	17.85	17.71	19.00
3	256QAM	8	7	17.57	17.75	17.57	19.00
3	256QAM	15	0	17.77	17.84	17.77	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.76	22.89	22.80	24.00
1.4	QPSK	1	3	22.55	22.74	22.57	24.00
1.4	QPSK	1	5	22.58	22.78	22.60	24.00
1.4	QPSK	3	0	22.62	22.88	22.74	24.00
1.4	QPSK	3	1	22.55	22.85	22.78	24.00
1.4	QPSK	3	3	22.45	22.78	22.57	24.00
1.4	QPSK	6	0	21.75	21.81	21.81	23.00
1.4	16QAM	1	0	21.59	21.85	21.69	23.00
1.4	16QAM	1	3	21.61	21.72	21.50	23.00
1.4	16QAM	1	5	21.77	21.94	21.81	23.00
1.4	16QAM	3	0	21.60	21.81	21.80	23.00
1.4	16QAM	3	1	21.67	21.87	21.72	23.00
1.4	16QAM	3	3	21.51	21.71	21.62	23.00
1.4	16QAM	6	0	20.71	20.87	20.77	22.00
1.4	64QAM	1	0	20.86	21.02	20.84	22.00
1.4	64QAM	1	3	20.81	20.94	20.76	22.00
1.4	64QAM	1	5	20.76	20.91	20.78	22.00
1.4	64QAM	3	0	20.66	20.79	20.72	22.00
1.4	64QAM	3	1	20.77	20.90	20.77	22.00
1.4	64QAM	3	3	20.63	20.83	20.76	22.00
1.4	64QAM	6	0	19.67	19.85	19.70	21.00
1.4	256QAM	1	0	17.74	17.88	17.73	19.00
1.4	256QAM	1	3	17.89	17.96	17.87	19.00
1.4	256QAM	1	5	17.74	17.94	17.70	19.00
1.4	256QAM	3	0	17.77	17.78	17.77	19.00
1.4	256QAM	3	1	17.68	17.89	17.71	19.00
1.4	256QAM	3	3	17.61	17.81	17.61	19.00
1.4	256QAM	6	0	17.69	17.88	17.79	19.00



【LTE Band 4_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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.04	23.05	22.85	24.00
20	QPSK	1	49	22.79	22.86	22.58	24.00
20	QPSK	1	99	22.79	22.87	22.58	24.00
20	QPSK	50	0	21.94	21.98	21.67	23.00
20	QPSK	50	24	21.89	21.96	21.68	23.00
20	QPSK	50	50	21.72	21.80	21.49	23.00
20	QPSK	100	0	21.82	21.91	21.61	23.00
20	16QAM	1	0	22.03	22.19	21.88	23.00
20	16QAM	1	49	22.11	22.20	21.97	23.00
20	16QAM	1	99	22.10	22.13	21.83	23.00
20	16QAM	50	0	20.92	20.95	20.74	22.00
20	16QAM	50	24	20.86	20.92	20.65	22.00
20	16QAM	50	50	20.82	20.86	20.58	22.00
20	16QAM	100	0	20.75	20.88	20.58	22.00
20	64QAM	1	0	20.99	21.10	20.87	22.00
20	64QAM	1	49	21.00	21.12	20.92	22.00
20	64QAM	1	99	20.89	20.92	20.70	22.00
20	64QAM	50	0	19.90	19.94	19.68	21.00
20	64QAM	50	24	19.83	19.92	19.69	21.00
20	64QAM	50	50	19.74	19.83	19.55	21.00
20	64QAM	100	0	19.82	19.91	19.61	21.00
20	256QAM	1	0	18.01	18.06	17.81	19.00
20	256QAM	1	49	18.05	18.08	17.84	19.00
20	256QAM	1	99	18.22	18.26	18.05	19.00
20	256QAM	50	0	17.75	17.89	17.61	19.00
20	256QAM	50	24	17.84	17.92	17.72	19.00
20	256QAM	50	50	17.76	17.81	17.58	19.00
20	256QAM	100	0	17.85	17.90	17.61	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.99	23.00	22.78	24.00
15	QPSK	1	37	22.76	22.74	22.47	24.00
15	QPSK	1	74	22.67	22.74	22.47	24.00
15	QPSK	36	0	21.92	21.96	21.64	23.00
15	QPSK	36	20	21.82	21.94	21.66	23.00
15	QPSK	36	39	21.61	21.79	21.42	23.00
15	QPSK	75	0	21.69	21.77	21.58	23.00
15	16QAM	1	0	21.92	22.04	21.73	23.00
15	16QAM	1	37	22.05	22.19	21.96	23.00
15	16QAM	1	74	22.08	22.01	21.70	23.00
15	16QAM	36	0	20.89	20.93	20.70	22.00
15	16QAM	36	20	20.75	20.85	20.59	22.00
15	16QAM	36	39	20.71	20.76	20.50	22.00
15	16QAM	75	0	20.74	20.77	20.44	22.00
15	64QAM	1	0	20.88	20.96	20.82	22.00
15	64QAM	1	37	20.90	20.98	20.89	22.00
15	64QAM	1	74	20.78	20.79	20.58	22.00
15	64QAM	36	0	19.76	19.85	19.66	21.00
15	64QAM	36	20	19.77	19.85	19.59	21.00
15	64QAM	36	39	19.66	19.80	19.41	21.00
15	64QAM	75	0	19.74	19.87	19.52	21.00
15	256QAM	1	0	17.97	18.04	17.72	19.00
15	256QAM	1	37	17.97	18.06	17.75	19.00
15	256QAM	1	74	18.19	18.18	17.92	19.00
15	256QAM	36	0	17.69	17.78	17.53	19.00
15	256QAM	36	20	17.69	17.80	17.58	19.00
15	256QAM	36	39	17.64	17.75	17.56	19.00
15	256QAM	75	0	17.80	17.84	17.56	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.95	22.93	22.80	24.00
10	QPSK	1	25	22.74	22.83	22.45	24.00
10	QPSK	1	49	22.76	22.83	22.47	24.00
10	QPSK	25	0	21.90	21.88	21.56	23.00
10	QPSK	25	12	21.80	21.95	21.60	23.00
10	QPSK	25	25	21.63	21.78	21.45	23.00
10	QPSK	50	0	21.71	21.78	21.52	23.00
10	16QAM	1	0	21.95	22.09	21.83	23.00
10	16QAM	1	25	22.02	22.06	21.93	23.00
10	16QAM	1	49	22.01	21.98	21.69	23.00
10	16QAM	25	0	20.80	20.82	20.67	22.00



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10	16QAM	25	12	20.78	20.84	20.60	22.00
10	16QAM	25	25	20.79	20.80	20.52	22.00
10	16QAM	50	0	20.67	20.84	20.55	22.00
10	64QAM	1	0	20.88	21.01	20.75	22.00
10	64QAM	1	25	20.95	20.97	20.83	22.00
10	64QAM	1	49	20.75	20.77	20.62	22.00
10	64QAM	25	0	19.81	19.80	19.61	21.00
10	64QAM	25	12	19.79	19.77	19.55	21.00
10	64QAM	25	25	19.63	19.76	19.51	21.00
10	64QAM	50	0	19.77	19.79	19.58	21.00
10	256QAM	1	0	17.86	17.95	17.76	19.00
10	256QAM	1	25	17.97	17.95	17.78	19.00
10	256QAM	1	49	18.15	18.17	17.97	19.00
10	256QAM	25	0	17.70	17.82	17.56	19.00
10	256QAM	25	12	17.70	17.79	17.59	19.00
10	256QAM	25	25	17.63	17.75	17.45	19.00
10	256QAM	50	0	17.80	17.77	17.54	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.00	22.94	22.75	24.00
5	QPSK	1	12	22.70	22.71	22.49	24.00
5	QPSK	1	24	22.67	22.74	22.47	24.00
5	QPSK	12	0	21.93	21.89	21.61	23.00
5	QPSK	12	7	21.85	21.90	21.57	23.00
5	QPSK	12	13	21.64	21.77	21.37	23.00
5	QPSK	25	0	21.68	21.85	21.52	23.00
5	16QAM	1	0	21.94	22.08	21.87	23.00
5	16QAM	1	12	22.06	22.10	21.89	23.00
5	16QAM	1	24	22.03	22.10	21.81	23.00
5	16QAM	12	0	20.86	20.88	20.71	22.00
5	16QAM	12	7	20.83	20.90	20.56	22.00
5	16QAM	12	13	20.69	20.75	20.44	22.00
5	16QAM	25	0	20.74	20.83	20.56	22.00
5	64QAM	1	0	20.87	20.96	20.75	22.00
5	64QAM	1	12	20.96	21.00	20.78	22.00
5	64QAM	1	24	20.82	20.91	20.61	22.00
5	64QAM	12	0	19.86	19.83	19.59	21.00
5	64QAM	12	7	19.69	19.84	19.62	21.00
5	64QAM	12	13	19.72	19.77	19.42	21.00
5	64QAM	25	0	19.71	19.89	19.56	21.00
5	256QAM	1	0	17.98	17.94	17.67	19.00
5	256QAM	1	12	17.90	17.95	17.69	19.00
5	256QAM	1	24	18.17	18.23	17.92	19.00
5	256QAM	12	0	17.64	17.85	17.47	19.00
5	256QAM	12	7	17.77	17.84	17.67	19.00
5	256QAM	12	13	17.69	17.77	17.55	19.00
5	256QAM	25	0	17.73	17.88	17.59	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.01	23.00	22.82	24.00
3	QPSK	1	8	22.74	22.82	22.50	24.00
3	QPSK	1	14	22.74	22.77	22.47	24.00
3	QPSK	8	0	21.90	21.93	21.53	23.00
3	QPSK	8	4	21.85	21.91	21.55	23.00
3	QPSK	8	7	21.58	21.69	21.45	23.00
3	QPSK	15	0	21.76	21.84	21.56	23.00
3	16QAM	1	0	21.99	22.15	21.78	23.00
3	16QAM	1	8	21.97	22.16	21.89	23.00
3	16QAM	1	14	21.99	22.04	21.75	23.00
3	16QAM	8	0	20.83	20.87	20.60	22.00
3	16QAM	8	4	20.80	20.84	20.51	22.00
3	16QAM	8	7	20.76	20.84	20.44	22.00
3	16QAM	15	0	20.63	20.84	20.53	22.00
3	64QAM	1	0	20.93	21.00	20.75	22.00
3	64QAM	1	8	20.91	20.99	20.78	22.00
3	64QAM	1	14	20.84	20.86	20.59	22.00
3	64QAM	8	0	19.76	19.92	19.63	21.00
3	64QAM	8	4	19.72	19.85	19.63	21.00
3	64QAM	8	7	19.67	19.81	19.42	21.00
3	64QAM	15	0	19.71	19.83	19.57	21.00
3	256QAM	1	0	17.89	17.94	17.79	19.00
3	256QAM	1	8	17.96	17.97	17.83	19.00
3	256QAM	1	14	18.21	18.22	18.00	19.00
3	256QAM	8	0	17.72	17.77	17.49	19.00
3	256QAM	8	4	17.76	17.79	17.62	19.00
3	256QAM	8	7	17.68	17.78	17.57	19.00
3	256QAM	15	0	17.75	17.83	17.52	19.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	23.01	23.03	22.72	24.00
1.4	QPSK	1	3	22.66	22.73	22.54	24.00
1.4	QPSK	1	5	22.74	22.85	22.50	24.00
1.4	QPSK	3	0	22.85	22.89	22.65	24.00
1.4	QPSK	3	1	22.83	22.91	22.62	24.00
1.4	QPSK	3	3	22.60	22.67	22.47	24.00
1.4	QPSK	6	0	21.67	21.81	21.51	23.00
1.4	16QAM	1	0	21.98	22.11	21.86	23.00
1.4	16QAM	1	3	22.03	22.08	21.83	23.00
1.4	16QAM	1	5	22.09	22.05	21.79	23.00
1.4	16QAM	3	0	21.82	21.93	21.62	23.00
1.4	16QAM	3	1	21.78	21.78	21.54	23.00
1.4	16QAM	3	3	21.78	21.81	21.55	23.00
1.4	16QAM	6	0	20.70	20.82	20.53	22.00
1.4	64QAM	1	0	20.89	21.00	20.76	22.00
1.4	64QAM	1	3	20.97	21.06	20.77	22.00
1.4	64QAM	1	5	20.86	20.87	20.59	22.00
1.4	64QAM	3	0	20.78	20.85	20.62	22.00
1.4	64QAM	3	1	20.76	20.79	20.61	22.00
1.4	64QAM	3	3	20.63	20.74	20.46	22.00
1.4	64QAM	6	0	19.71	19.84	19.57	21.00
1.4	256QAM	1	0	17.88	18.01	17.70	19.00
1.4	256QAM	1	3	17.94	17.93	17.77	19.00
1.4	256QAM	1	5	18.07	18.11	17.92	19.00
1.4	256QAM	3	0	17.62	17.78	17.52	19.00
1.4	256QAM	3	1	17.72	17.83	17.63	19.00
1.4	256QAM	3	3	17.62	17.71	17.49	19.00
1.4	256QAM	6	0	17.77	17.79	17.52	19.00

【LTE Band 4_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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.04	23.05	22.85	24.00
20	QPSK	1	49	22.79	22.86	22.58	24.00
20	QPSK	1	99	22.79	22.87	22.58	24.00
20	QPSK	50	0	21.94	21.98	21.67	23.00
20	QPSK	50	24	21.89	21.96	21.68	23.00
20	QPSK	50	50	21.72	21.80	21.49	23.00
20	QPSK	100	0	21.82	21.91	21.61	23.00
20	16QAM	1	0	22.03	22.19	21.88	23.00
20	16QAM	1	49	22.11	22.20	21.97	23.00
20	16QAM	1	99	22.10	22.13	21.83	23.00
20	16QAM	50	0	20.92	20.95	20.74	22.00
20	16QAM	50	24	20.86	20.92	20.65	22.00
20	16QAM	50	50	20.82	20.86	20.58	22.00
20	16QAM	100	0	20.75	20.88	20.58	22.00
20	64QAM	1	0	20.99	21.10	20.87	22.00
20	64QAM	1	49	21.00	21.12	20.92	22.00
20	64QAM	1	99	20.89	20.92	20.70	22.00
20	64QAM	50	0	19.90	19.94	19.68	21.00
20	64QAM	50	24	19.83	19.92	19.69	21.00
20	64QAM	50	50	19.74	19.83	19.55	21.00
20	64QAM	100	0	19.82	19.91	19.61	21.00
20	256QAM	1	0	18.01	18.06	17.81	19.00
20	256QAM	1	49	18.05	18.08	17.84	19.00
20	256QAM	1	99	18.22	18.26	18.05	19.00
20	256QAM	50	0	17.75	17.89	17.61	19.00
20	256QAM	50	24	17.84	17.92	17.72	19.00
20	256QAM	50	50	17.76	17.81	17.58	19.00
20	256QAM	100	0	17.85	17.90	17.61	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.99	23.00	22.78	24.00
15	QPSK	1	37	22.76	22.74	22.47	24.00
15	QPSK	1	74	22.67	22.74	22.47	24.00
15	QPSK	36	0	21.92	21.96	21.64	23.00
15	QPSK	36	20	21.82	21.94	21.66	23.00
15	QPSK	36	39	21.61	21.79	21.42	23.00
15	QPSK	75	0	21.69	21.77	21.58	23.00



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15	16QAM	1	0	21.92	22.04	21.73	23.00
15	16QAM	1	37	22.05	22.19	21.96	23.00
15	16QAM	1	74	22.08	22.01	21.70	23.00
15	16QAM	36	0	20.89	20.93	20.70	22.00
15	16QAM	36	20	20.75	20.85	20.59	22.00
15	16QAM	36	39	20.71	20.76	20.50	22.00
15	16QAM	75	0	20.74	20.77	20.44	22.00
15	64QAM	1	0	20.88	20.96	20.82	22.00
15	64QAM	1	37	20.90	20.98	20.89	22.00
15	64QAM	1	74	20.78	20.79	20.58	22.00
15	64QAM	36	0	19.76	19.85	19.66	21.00
15	64QAM	36	20	19.77	19.85	19.59	21.00
15	64QAM	36	39	19.66	19.80	19.41	21.00
15	64QAM	75	0	19.74	19.87	19.52	21.00
15	256QAM	1	0	17.97	18.04	17.72	19.00
15	256QAM	1	37	17.97	18.06	17.75	19.00
15	256QAM	1	74	18.19	18.18	17.92	19.00
15	256QAM	36	0	17.69	17.78	17.53	19.00
15	256QAM	36	20	17.69	17.80	17.58	19.00
15	256QAM	36	39	17.64	17.75	17.56	19.00
15	256QAM	75	0	17.80	17.84	17.56	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	22.95	22.93	22.80	24.00
10	QPSK	1	25	22.74	22.83	22.45	24.00
10	QPSK	1	49	22.76	22.83	22.47	24.00
10	QPSK	25	0	21.90	21.88	21.56	23.00
10	QPSK	25	12	21.80	21.95	21.60	23.00
10	QPSK	25	25	21.63	21.78	21.45	23.00
10	QPSK	50	0	21.71	21.78	21.52	23.00
10	16QAM	1	0	21.95	22.09	21.83	23.00
10	16QAM	1	25	22.02	22.06	21.93	23.00
10	16QAM	1	49	22.01	21.98	21.69	23.00
10	16QAM	25	0	20.80	20.82	20.67	22.00
10	16QAM	25	12	20.78	20.84	20.60	22.00
10	16QAM	25	25	20.79	20.80	20.52	22.00
10	16QAM	50	0	20.67	20.84	20.55	22.00
10	64QAM	1	0	20.88	21.01	20.75	22.00
10	64QAM	1	25	20.95	20.97	20.83	22.00
10	64QAM	1	49	20.75	20.77	20.62	22.00
10	64QAM	25	0	19.81	19.80	19.61	21.00
10	64QAM	25	12	19.79	19.77	19.55	21.00
10	64QAM	25	25	19.63	19.76	19.51	21.00
10	64QAM	50	0	19.77	19.79	19.58	21.00
10	256QAM	1	0	17.86	17.95	17.76	19.00
10	256QAM	1	25	17.97	17.95	17.78	19.00
10	256QAM	1	49	18.15	18.17	17.97	19.00
10	256QAM	25	0	17.70	17.82	17.56	19.00
10	256QAM	25	12	17.70	17.79	17.59	19.00
10	256QAM	25	25	17.63	17.75	17.45	19.00
10	256QAM	50	0	17.80	17.77	17.54	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.00	22.94	22.75	24.00
5	QPSK	1	12	22.70	22.71	22.49	24.00
5	QPSK	1	24	22.67	22.74	22.47	24.00
5	QPSK	12	0	21.93	21.89	21.61	23.00
5	QPSK	12	7	21.85	21.90	21.57	23.00
5	QPSK	12	13	21.64	21.77	21.37	23.00
5	QPSK	25	0	21.68	21.85	21.52	23.00
5	16QAM	1	0	21.94	22.08	21.87	23.00
5	16QAM	1	12	22.06	22.10	21.89	23.00
5	16QAM	1	24	22.03	22.10	21.81	23.00
5	16QAM	12	0	20.86	20.88	20.71	22.00
5	16QAM	12	7	20.83	20.90	20.56	22.00
5	16QAM	12	13	20.69	20.75	20.44	22.00
5	16QAM	25	0	20.74	20.83	20.56	22.00
5	64QAM	1	0	20.87	20.96	20.75	22.00
5	64QAM	1	12	20.96	21.00	20.78	22.00
5	64QAM	1	24	20.82	20.91	20.61	22.00
5	64QAM	12	0	19.86	19.83	19.59	21.00
5	64QAM	12	7	19.69	19.84	19.62	21.00
5	64QAM	12	13	19.72	19.77	19.42	21.00
5	64QAM	25	0	19.71	19.89	19.56	21.00
5	256QAM	1	0	17.98	17.94	17.67	19.00
5	256QAM	1	12	17.90	17.95	17.69	19.00
5	256QAM	1	24	18.17	18.23	17.92	19.00
5	256QAM	12	0	17.64	17.85	17.47	19.00



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5	256QAM	12	7	17.77	17.84	17.67	19.00
5	256QAM	12	13	17.69	17.77	17.55	19.00
5	256QAM	25	0	17.73	17.88	17.59	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.01	23.00	22.82	24.00
3	QPSK	1	8	22.74	22.82	22.50	24.00
3	QPSK	1	14	22.74	22.77	22.47	24.00
3	QPSK	8	0	21.90	21.93	21.53	23.00
3	QPSK	8	4	21.85	21.91	21.55	23.00
3	QPSK	8	7	21.58	21.69	21.45	23.00
3	QPSK	15	0	21.76	21.84	21.56	23.00
3	16QAM	1	0	21.99	22.15	21.78	23.00
3	16QAM	1	8	21.97	22.16	21.89	23.00
3	16QAM	1	14	21.99	22.04	21.75	23.00
3	16QAM	8	0	20.83	20.87	20.60	22.00
3	16QAM	8	4	20.80	20.84	20.51	22.00
3	16QAM	8	7	20.76	20.84	20.44	22.00
3	16QAM	15	0	20.63	20.84	20.53	22.00
3	64QAM	1	0	20.93	21.00	20.75	22.00
3	64QAM	1	8	20.91	20.99	20.78	22.00
3	64QAM	1	14	20.84	20.86	20.59	22.00
3	64QAM	8	0	19.76	19.92	19.63	21.00
3	64QAM	8	4	19.72	19.85	19.63	21.00
3	64QAM	8	7	19.67	19.81	19.42	21.00
3	64QAM	15	0	19.71	19.83	19.57	21.00
3	256QAM	1	0	17.89	17.94	17.79	19.00
3	256QAM	1	8	17.96	17.97	17.83	19.00
3	256QAM	1	14	18.21	18.22	18.00	19.00
3	256QAM	8	0	17.72	17.77	17.49	19.00
3	256QAM	8	4	17.76	17.79	17.62	19.00
3	256QAM	8	7	17.68	17.78	17.57	19.00
3	256QAM	15	0	17.75	17.83	17.52	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.01	23.03	22.72	24.00
1.4	QPSK	1	3	22.66	22.73	22.54	24.00
1.4	QPSK	1	5	22.74	22.85	22.50	24.00
1.4	QPSK	3	0	22.85	22.89	22.65	24.00
1.4	QPSK	3	1	22.83	22.91	22.62	24.00
1.4	QPSK	3	3	22.60	22.67	22.47	24.00
1.4	QPSK	6	0	21.67	21.81	21.51	23.00
1.4	16QAM	1	0	21.98	22.11	21.86	23.00
1.4	16QAM	1	3	22.03	22.08	21.83	23.00
1.4	16QAM	1	5	22.09	22.05	21.79	23.00
1.4	16QAM	3	0	21.82	21.93	21.62	23.00
1.4	16QAM	3	1	21.78	21.78	21.54	23.00
1.4	16QAM	3	3	21.78	21.81	21.55	23.00
1.4	16QAM	6	0	20.70	20.82	20.53	22.00
1.4	64QAM	1	0	20.89	21.00	20.76	22.00
1.4	64QAM	1	3	20.97	21.06	20.77	22.00
1.4	64QAM	1	5	20.86	20.87	20.59	22.00
1.4	64QAM	3	0	20.78	20.85	20.62	22.00
1.4	64QAM	3	1	20.76	20.79	20.61	22.00
1.4	64QAM	3	3	20.63	20.74	20.46	22.00
1.4	64QAM	6	0	19.71	19.84	19.57	21.00
1.4	256QAM	1	0	17.88	18.01	17.70	19.00
1.4	256QAM	1	3	17.94	17.93	17.77	19.00
1.4	256QAM	1	5	18.07	18.11	17.92	19.00
1.4	256QAM	3	0	17.62	17.78	17.52	19.00
1.4	256QAM	3	1	17.72	17.83	17.63	19.00
1.4	256QAM	3	3	17.62	17.71	17.49	19.00
1.4	256QAM	6	0	17.77	17.79	17.52	19.00

【LTE Band 4_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				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	19.03	19.15	18.82	20.00
20	QPSK	1	49	19.18	19.07	18.93	20.00
20	QPSK	1	99	19.20	19.07	18.94	20.00
20	QPSK	50	0	19.26	19.11	18.94	20.00
20	QPSK	50	24	19.03	19.08	18.95	20.00
20	QPSK	50	50	19.24	19.06	18.80	20.00
20	QPSK	100	0	19.20	19.06	18.98	20.00
20	16QAM	1	0	19.03	19.00	18.84	20.00
20	16QAM	1	49	19.16	18.99	18.96	20.00
20	16QAM	1	99	19.04	18.96	18.86	20.00
20	16QAM	50	0	19.05	18.93	19.03	20.00
20	16QAM	50	24	19.21	19.09	18.82	20.00
20	16QAM	50	50	19.15	19.13	18.93	20.00
20	16QAM	100	0	19.08	19.06	19.01	20.00
20	64QAM	1	0	19.19	19.02	18.84	20.00
20	64QAM	1	49	19.06	18.97	18.88	20.00
20	64QAM	1	99	19.03	19.08	18.99	20.00
20	64QAM	50	0	19.06	19.02	19.03	20.00
20	64QAM	50	24	19.25	19.11	18.87	20.00
20	64QAM	50	50	19.11	19.05	18.92	20.00
20	64QAM	100	0	19.25	19.00	18.97	20.00
20	256QAM	1	0	18.11	18.12	18.00	19.00
20	256QAM	1	49	17.99	18.03	17.88	19.00
20	256QAM	1	99	18.00	18.04	17.85	19.00
20	256QAM	50	0	18.05	18.05	17.87	19.00
20	256QAM	50	24	18.18	18.19	17.99	19.00
20	256QAM	50	50	17.94	17.99	17.75	19.00
20	256QAM	100	0	17.91	17.98	17.73	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.98	19.06	18.72	20.00
15	QPSK	1	37	19.03	19.01	18.81	20.00
15	QPSK	1	74	19.02	18.93	18.81	20.00
15	QPSK	36	0	19.03	19.01	18.81	20.00
15	QPSK	36	20	18.91	19.03	18.80	20.00
15	QPSK	36	39	19.03	18.95	18.73	20.00
15	QPSK	75	0	19.03	18.94	18.82	20.00
15	16QAM	1	0	18.93	18.88	18.81	20.00
15	16QAM	1	37	19.01	18.92	18.82	20.00
15	16QAM	1	74	18.98	18.94	18.81	20.00
15	16QAM	36	0	19.01	18.85	18.81	20.00
15	16QAM	36	20	19.03	19.02	18.73	20.00
15	16QAM	36	39	19.03	19.01	18.82	20.00
15	16QAM	75	0	18.95	18.95	18.82	20.00
15	64QAM	1	0	19.03	18.88	18.76	20.00
15	64QAM	1	37	18.96	18.87	18.80	20.00
15	64QAM	1	74	19.00	18.93	18.81	20.00
15	64QAM	36	0	18.99	18.99	18.81	20.00
15	64QAM	36	20	19.03	19.03	18.81	20.00
15	64QAM	36	39	18.97	18.97	18.81	20.00
15	64QAM	75	0	19.02	18.95	18.82	20.00
15	256QAM	1	0	18.01	18.08	17.92	19.00
15	256QAM	1	37	17.87	17.90	17.77	19.00
15	256QAM	1	74	17.98	17.96	17.79	19.00
15	256QAM	36	0	18.03	17.94	17.78	19.00
15	256QAM	36	20	18.09	18.16	17.98	19.00
15	256QAM	36	39	17.82	17.94	17.63	19.00
15	256QAM	75	0	17.82	17.95	17.72	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.88	19.03	18.69	20.00
10	QPSK	1	25	19.03	19.01	18.80	20.00
10	QPSK	1	49	19.01	19.02	18.82	20.00
10	QPSK	25	0	19.03	19.01	18.80	20.00
10	QPSK	25	12	18.94	19.04	18.81	20.00
10	QPSK	25	25	19.02	18.96	18.71	20.00
10	QPSK	50	0	19.03	18.98	18.82	20.00
10	16QAM	1	0	18.98	18.96	18.79	20.00
10	16QAM	1	25	19.03	18.87	18.82	20.00
10	16QAM	1	49	19.00	18.95	18.78	20.00
10	16QAM	25	0	19.02	18.85	18.82	20.00



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10	16QAM	25	12	19.01	19.06	18.71	20.00
10	16QAM	25	25	19.02	19.06	18.80	20.00
10	16QAM	50	0	18.97	19.04	18.81	20.00
10	64QAM	1	0	19.01	18.98	18.81	20.00
10	64QAM	1	25	18.97	18.93	18.81	20.00
10	64QAM	1	49	18.90	19.00	18.81	20.00
10	64QAM	25	0	18.99	18.92	18.82	20.00
10	64QAM	25	12	19.03	19.04	18.80	20.00
10	64QAM	25	25	19.03	18.99	18.82	20.00
10	64QAM	50	0	19.03	18.96	18.82	20.00
10	256QAM	1	0	18.05	18.02	17.90	19.00
10	256QAM	1	25	17.94	17.99	17.86	19.00
10	256QAM	1	49	17.91	17.99	17.80	19.00
10	256QAM	25	0	17.97	17.95	17.82	19.00
10	256QAM	25	12	18.09	18.13	17.87	19.00
10	256QAM	25	25	17.85	17.97	17.67	19.00
10	256QAM	50	0	17.86	17.95	17.59	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.93	19.03	18.73	20.00
5	QPSK	1	12	19.03	19.00	18.82	20.00
5	QPSK	1	24	19.02	18.97	18.82	20.00
5	QPSK	12	0	19.02	18.98	18.82	20.00
5	QPSK	12	7	18.94	19.04	18.82	20.00
5	QPSK	12	13	19.01	18.93	18.73	20.00
5	QPSK	25	0	19.02	19.03	18.82	20.00
5	16QAM	1	0	18.89	18.95	18.81	20.00
5	16QAM	1	12	19.02	18.97	18.81	20.00
5	16QAM	1	24	18.97	18.93	18.82	20.00
5	16QAM	12	0	18.90	18.88	18.82	20.00
5	16QAM	12	7	19.01	18.97	18.76	20.00
5	16QAM	12	13	19.02	19.02	18.82	20.00
5	16QAM	25	0	19.03	18.92	18.82	20.00
5	64QAM	1	0	19.01	18.99	18.81	20.00
5	64QAM	1	12	18.96	18.91	18.73	20.00
5	64QAM	1	24	19.01	18.98	18.82	20.00
5	64QAM	12	0	18.97	18.92	18.82	20.00
5	64QAM	12	7	19.02	18.97	18.74	20.00
5	64QAM	12	13	19.02	19.00	18.79	20.00
5	64QAM	25	0	19.03	18.93	18.81	20.00
5	256QAM	1	0	18.00	18.09	17.88	19.00
5	256QAM	1	12	17.96	17.89	17.87	19.00
5	256QAM	1	24	17.99	18.02	17.83	19.00
5	256QAM	12	0	18.03	17.95	17.81	19.00
5	256QAM	12	7	18.04	18.08	17.89	19.00
5	256QAM	12	13	17.81	17.97	17.60	19.00
5	256QAM	25	0	17.80	17.88	17.60	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	18.93	19.09	18.79	20.00
3	QPSK	1	8	19.03	19.03	18.78	20.00
3	QPSK	1	14	19.03	18.92	18.80	20.00
3	QPSK	8	0	19.01	19.09	18.82	20.00
3	QPSK	8	4	18.95	19.05	18.80	20.00
3	QPSK	8	7	19.03	19.03	18.69	20.00
3	QPSK	15	0	19.02	18.95	18.80	20.00
3	16QAM	1	0	18.96	18.88	18.80	20.00
3	16QAM	1	8	19.02	18.85	18.82	20.00
3	16QAM	1	14	19.01	18.90	18.82	20.00
3	16QAM	8	0	18.97	18.88	18.82	20.00
3	16QAM	8	4	19.03	18.98	18.71	20.00
3	16QAM	8	7	19.02	19.05	18.82	20.00
3	16QAM	15	0	18.97	18.98	18.82	20.00
3	64QAM	1	0	19.01	18.90	18.77	20.00
3	64QAM	1	8	18.94	18.95	18.79	20.00
3	64QAM	1	14	18.94	19.05	18.80	20.00
3	64QAM	8	0	19.03	18.93	18.82	20.00
3	64QAM	8	4	19.02	19.03	18.82	20.00
3	64QAM	8	7	19.01	19.00	18.81	20.00
3	64QAM	15	0	19.03	18.90	18.81	20.00
3	256QAM	1	0	17.99	18.03	17.98	19.00
3	256QAM	1	8	17.94	17.95	17.76	19.00
3	256QAM	1	14	17.99	17.93	17.75	19.00
3	256QAM	8	0	17.90	17.91	17.85	19.00
3	256QAM	8	4	18.13	18.05	17.90	19.00
3	256QAM	8	7	17.90	17.89	17.69	19.00
3	256QAM	15	0	17.83	17.91	17.67	19.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	19.01	19.09	18.70	20.00
1.4	QPSK	1	3	19.03	18.95	18.81	20.00
1.4	QPSK	1	5	19.03	19.02	18.82	20.00
1.4	QPSK	3	0	19.03	19.10	18.81	20.00
1.4	QPSK	3	1	18.99	19.03	18.82	20.00
1.4	QPSK	3	3	19.03	18.97	18.74	20.00
1.4	QPSK	6	0	19.03	19.05	18.82	20.00
1.4	16QAM	1	0	18.98	18.91	18.80	20.00
1.4	16QAM	1	3	19.02	18.98	18.82	20.00
1.4	16QAM	1	5	19.01	18.84	18.81	20.00
1.4	16QAM	3	0	19.02	18.85	18.81	20.00
1.4	16QAM	3	1	19.03	19.01	18.67	20.00
1.4	16QAM	3	3	19.03	19.11	18.82	20.00
1.4	16QAM	6	0	18.97	19.00	18.81	20.00
1.4	64QAM	1	0	19.02	18.95	18.74	20.00
1.4	64QAM	1	3	18.98	18.86	18.75	20.00
1.4	64QAM	1	5	18.91	19.02	18.82	20.00
1.4	64QAM	3	0	19.03	18.92	18.82	20.00
1.4	64QAM	3	1	19.03	18.97	18.78	20.00
1.4	64QAM	3	3	18.97	18.99	18.78	20.00
1.4	64QAM	6	0	19.03	18.87	18.80	20.00
1.4	256QAM	1	0	18.01	17.99	17.92	19.00
1.4	256QAM	1	3	17.87	17.91	17.75	19.00
1.4	256QAM	1	5	17.94	18.00	17.71	19.00
1.4	256QAM	3	0	17.92	17.93	17.78	19.00
1.4	256QAM	3	1	18.10	18.16	17.98	19.00
1.4	256QAM	3	3	17.92	17.96	17.70	19.00
1.4	256QAM	6	0	17.78	17.83	17.68	19.00

【LTE Band 4_Ant 4_Hotspot 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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	19.03	19.15	18.82	20.00
20	QPSK	1	49	19.18	19.07	18.93	20.00
20	QPSK	1	99	19.20	19.07	18.94	20.00
20	QPSK	50	0	19.26	19.11	18.94	20.00
20	QPSK	50	24	19.03	19.08	18.95	20.00
20	QPSK	50	50	19.24	19.06	18.80	20.00
20	QPSK	100	0	19.20	19.06	18.98	20.00
20	16QAM	1	0	19.03	19.00	18.84	20.00
20	16QAM	1	49	19.16	18.99	18.96	20.00
20	16QAM	1	99	19.04	18.96	18.86	20.00
20	16QAM	50	0	19.05	18.93	19.03	20.00
20	16QAM	50	24	19.21	19.09	18.82	20.00
20	16QAM	50	50	19.15	19.13	18.93	20.00
20	16QAM	100	0	19.08	19.06	19.01	20.00
20	64QAM	1	0	19.19	19.02	18.84	20.00
20	64QAM	1	49	19.06	18.97	18.88	20.00
20	64QAM	1	99	19.03	19.08	18.99	20.00
20	64QAM	50	0	19.06	19.02	19.03	20.00
20	64QAM	50	24	19.25	19.11	18.87	20.00
20	64QAM	50	50	19.11	19.05	18.92	20.00
20	64QAM	100	0	19.25	19.00	18.97	20.00
20	256QAM	1	0	18.11	18.12	18.00	19.00
20	256QAM	1	49	17.99	18.03	17.88	19.00
20	256QAM	1	99	18.00	18.04	17.85	19.00
20	256QAM	50	0	18.05	18.05	17.87	19.00
20	256QAM	50	24	18.18	18.19	17.99	19.00
20	256QAM	50	50	17.94	17.99	17.75	19.00
20	256QAM	100	0	17.91	17.98	17.73	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.98	19.06	18.72	20.00
15	QPSK	1	37	19.03	19.01	18.81	20.00
15	QPSK	1	74	19.02	18.93	18.81	20.00
15	QPSK	36	0	19.03	19.01	18.81	20.00
15	QPSK	36	20	18.91	19.03	18.80	20.00
15	QPSK	36	39	19.03	18.95	18.73	20.00
15	QPSK	75	0	19.03	18.94	18.82	20.00



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15	16QAM	1	0	18.93	18.88	18.81	20.00
15	16QAM	1	37	19.01	18.92	18.82	20.00
15	16QAM	1	74	18.98	18.94	18.81	20.00
15	16QAM	36	0	19.01	18.85	18.81	20.00
15	16QAM	36	20	19.03	19.02	18.73	20.00
15	16QAM	36	39	19.03	19.01	18.82	20.00
15	16QAM	75	0	18.95	18.95	18.82	20.00
15	64QAM	1	0	19.03	18.88	18.76	20.00
15	64QAM	1	37	18.96	18.87	18.80	20.00
15	64QAM	1	74	19.00	18.93	18.81	20.00
15	64QAM	36	0	18.99	18.99	18.81	20.00
15	64QAM	36	20	19.03	19.03	18.81	20.00
15	64QAM	36	39	18.97	18.97	18.81	20.00
15	64QAM	75	0	19.02	18.95	18.82	20.00
15	256QAM	1	0	18.01	18.08	17.92	19.00
15	256QAM	1	37	17.87	17.90	17.77	19.00
15	256QAM	1	74	17.98	17.96	17.79	19.00
15	256QAM	36	0	18.03	17.94	17.78	19.00
15	256QAM	36	20	18.09	18.16	17.98	19.00
15	256QAM	36	39	17.82	17.94	17.63	19.00
15	256QAM	75	0	17.82	17.95	17.72	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	18.88	19.03	18.69	20.00
10	QPSK	1	25	19.03	19.01	18.80	20.00
10	QPSK	1	49	19.01	19.02	18.82	20.00
10	QPSK	25	0	19.03	19.01	18.80	20.00
10	QPSK	25	12	18.94	19.04	18.81	20.00
10	QPSK	25	25	19.02	18.96	18.71	20.00
10	QPSK	50	0	19.03	18.98	18.82	20.00
10	16QAM	1	0	18.98	18.96	18.79	20.00
10	16QAM	1	25	19.03	18.87	18.82	20.00
10	16QAM	1	49	19.00	18.95	18.78	20.00
10	16QAM	25	0	19.02	18.85	18.82	20.00
10	16QAM	25	12	19.01	19.06	18.71	20.00
10	16QAM	25	25	19.02	19.06	18.80	20.00
10	16QAM	50	0	18.97	19.04	18.81	20.00
10	64QAM	1	0	19.01	18.98	18.81	20.00
10	64QAM	1	25	18.97	18.93	18.81	20.00
10	64QAM	1	49	18.90	19.00	18.81	20.00
10	64QAM	25	0	18.99	18.92	18.82	20.00
10	64QAM	25	12	19.03	19.04	18.80	20.00
10	64QAM	25	25	19.03	18.99	18.82	20.00
10	64QAM	50	0	19.03	18.96	18.82	20.00
10	256QAM	1	0	18.05	18.02	17.90	19.00
10	256QAM	1	25	17.94	17.99	17.86	19.00
10	256QAM	1	49	17.91	17.99	17.80	19.00
10	256QAM	25	0	17.97	17.95	17.82	19.00
10	256QAM	25	12	18.09	18.13	17.87	19.00
10	256QAM	25	25	17.85	17.97	17.67	19.00
10	256QAM	50	0	17.86	17.95	17.59	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	18.93	19.03	18.73	20.00
5	QPSK	1	12	19.03	19.00	18.82	20.00
5	QPSK	1	24	19.02	18.97	18.82	20.00
5	QPSK	12	0	19.02	18.98	18.82	20.00
5	QPSK	12	7	18.94	19.04	18.82	20.00
5	QPSK	12	13	19.01	18.93	18.73	20.00
5	QPSK	25	0	19.02	19.03	18.82	20.00
5	16QAM	1	0	18.89	18.95	18.81	20.00
5	16QAM	1	12	19.02	18.97	18.81	20.00
5	16QAM	1	24	18.97	18.93	18.82	20.00
5	16QAM	12	0	18.90	18.88	18.82	20.00
5	16QAM	12	7	19.01	18.97	18.76	20.00
5	16QAM	12	13	19.02	19.02	18.82	20.00
5	16QAM	25	0	19.03	18.92	18.82	20.00
5	64QAM	1	0	19.01	18.99	18.81	20.00
5	64QAM	1	12	18.96	18.91	18.73	20.00
5	64QAM	1	24	19.01	18.98	18.82	20.00
5	64QAM	12	0	18.97	18.92	18.82	20.00
5	64QAM	12	7	19.02	18.97	18.74	20.00
5	64QAM	12	13	19.02	19.00	18.79	20.00
5	64QAM	25	0	19.03	18.93	18.81	20.00
5	256QAM	1	0	18.00	18.09	17.88	19.00
5	256QAM	1	12	17.96	17.89	17.87	19.00
5	256QAM	1	24	17.99	18.02	17.83	19.00
5	256QAM	12	0	18.03	17.95	17.81	19.00



5	256QAM	12	7	18.04	18.08	17.89	19.00
5	256QAM	12	13	17.81	17.97	17.60	19.00
5	256QAM	25	0	17.80	17.88	17.60	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	18.93	19.09	18.79	20.00
3	QPSK	1	8	19.03	19.03	18.78	20.00
3	QPSK	1	14	19.03	18.92	18.80	20.00
3	QPSK	8	0	19.01	19.09	18.82	20.00
3	QPSK	8	4	18.95	19.05	18.80	20.00
3	QPSK	8	7	19.03	19.03	18.69	20.00
3	QPSK	15	0	19.02	18.95	18.80	20.00
3	16QAM	1	0	18.96	18.88	18.80	20.00
3	16QAM	1	8	19.02	18.85	18.82	20.00
3	16QAM	1	14	19.01	18.90	18.82	20.00
3	16QAM	8	0	18.97	18.88	18.82	20.00
3	16QAM	8	4	19.03	18.98	18.71	20.00
3	16QAM	8	7	19.02	19.05	18.82	20.00
3	16QAM	15	0	18.97	18.98	18.82	20.00
3	64QAM	1	0	19.01	18.90	18.77	20.00
3	64QAM	1	8	18.94	18.95	18.79	20.00
3	64QAM	1	14	18.94	19.05	18.80	20.00
3	64QAM	8	0	19.03	18.93	18.82	20.00
3	64QAM	8	4	19.02	19.03	18.82	20.00
3	64QAM	8	7	19.01	19.00	18.81	20.00
3	64QAM	15	0	19.03	18.90	18.81	20.00
3	256QAM	1	0	17.99	18.03	17.98	19.00
3	256QAM	1	8	17.94	17.95	17.76	19.00
3	256QAM	1	14	17.99	17.93	17.75	19.00
3	256QAM	8	0	17.90	17.91	17.85	19.00
3	256QAM	8	4	18.13	18.05	17.90	19.00
3	256QAM	8	7	17.90	17.89	17.69	19.00
3	256QAM	15	0	17.83	17.91	17.67	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.01	19.09	18.70	20.00
1.4	QPSK	1	3	19.03	18.95	18.81	20.00
1.4	QPSK	1	5	19.03	19.02	18.82	20.00
1.4	QPSK	3	0	19.03	19.10	18.81	20.00
1.4	QPSK	3	1	18.99	19.03	18.82	20.00
1.4	QPSK	3	3	19.03	18.97	18.74	20.00
1.4	QPSK	6	0	19.03	19.05	18.82	20.00
1.4	16QAM	1	0	18.98	18.91	18.80	20.00
1.4	16QAM	1	3	19.02	18.98	18.82	20.00
1.4	16QAM	1	5	19.01	18.84	18.81	20.00
1.4	16QAM	3	0	19.02	18.85	18.81	20.00
1.4	16QAM	3	1	19.03	19.01	18.67	20.00
1.4	16QAM	3	3	19.03	19.11	18.82	20.00
1.4	16QAM	6	0	18.97	19.00	18.81	20.00
1.4	64QAM	1	0	19.02	18.95	18.74	20.00
1.4	64QAM	1	3	18.98	18.86	18.75	20.00
1.4	64QAM	1	5	18.91	19.02	18.82	20.00
1.4	64QAM	3	0	19.03	18.92	18.82	20.00
1.4	64QAM	3	1	19.03	18.97	18.78	20.00
1.4	64QAM	3	3	18.97	18.99	18.78	20.00
1.4	64QAM	6	0	19.03	18.87	18.80	20.00
1.4	256QAM	1	0	18.01	17.99	17.92	19.00
1.4	256QAM	1	3	17.87	17.91	17.75	19.00
1.4	256QAM	1	5	17.94	18.00	17.71	19.00
1.4	256QAM	3	0	17.92	17.93	17.78	19.00
1.4	256QAM	3	1	18.10	18.16	17.98	19.00
1.4	256QAM	3	3	17.92	17.96	17.70	19.00
1.4	256QAM	6	0	17.78	17.83	17.68	19.00



【LTE Band 5_Ant 0_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	23.31	23.31	23.33	24.00
10	QPSK	1	25	23.19	23.24	23.18	24.00
10	QPSK	1	49	23.03	23.13	23.09	24.00
10	QPSK	25	0	22.18	22.31	22.21	23.00
10	QPSK	25	12	22.24	22.27	22.24	23.00
10	QPSK	25	25	22.21	22.28	22.22	23.00
10	QPSK	50	0	22.18	22.23	22.11	23.00
10	16QAM	1	0	22.47	22.51	22.47	23.00
10	16QAM	1	25	22.42	22.45	22.44	23.00
10	16QAM	1	49	22.33	22.39	22.32	23.00
10	16QAM	25	0	21.24	21.26	21.18	22.00
10	16QAM	25	12	21.17	21.29	21.17	22.00
10	16QAM	25	25	21.31	21.37	21.37	22.00
10	16QAM	50	0	21.26	21.34	21.32	22.00
10	64QAM	1	0	21.41	21.44	21.37	22.00
10	64QAM	1	25	21.47	21.49	21.43	22.00
10	64QAM	1	49	21.27	21.39	21.27	22.00
10	64QAM	25	0	20.26	20.37	20.37	21.00
10	64QAM	25	12	20.21	20.29	20.19	21.00
10	64QAM	25	25	20.22	20.28	20.26	21.00
10	64QAM	50	0	20.14	20.19	20.13	21.00
10	256QAM	1	0	18.34	18.43	18.32	19.00
10	256QAM	1	25	18.36	18.51	18.51	19.00
10	256QAM	1	49	18.33	18.42	18.37	19.00
10	256QAM	25	0	18.20	18.32	18.23	19.00
10	256QAM	25	12	18.20	18.32	18.28	19.00
10	256QAM	25	25	18.18	18.22	18.17	19.00
10	256QAM	50	0	18.30	18.33	18.32	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.29	23.22	23.26	24.00
5	QPSK	1	12	23.12	23.10	23.13	24.00
5	QPSK	1	24	22.88	23.03	22.98	24.00
5	QPSK	12	0	22.07	22.22	22.13	23.00
5	QPSK	12	7	22.21	22.15	22.09	23.00
5	QPSK	12	13	22.20	22.21	22.20	23.00
5	QPSK	25	0	22.05	22.11	21.97	23.00
5	16QAM	1	0	22.34	22.42	22.43	23.00
5	16QAM	1	12	22.29	22.40	22.36	23.00
5	16QAM	1	24	22.32	22.38	22.23	23.00
5	16QAM	12	0	21.12	21.19	21.07	22.00
5	16QAM	12	7	21.10	21.17	21.12	22.00
5	16QAM	12	13	21.28	21.22	21.31	22.00
5	16QAM	25	0	21.22	21.20	21.19	22.00
5	64QAM	1	0	21.38	21.34	21.28	22.00
5	64QAM	1	12	21.45	21.35	21.35	22.00
5	64QAM	1	24	21.18	21.29	21.22	22.00
5	64QAM	12	0	20.21	20.26	20.28	21.00
5	64QAM	12	7	20.17	20.23	20.17	21.00
5	64QAM	12	13	20.12	20.19	20.22	21.00
5	64QAM	25	0	20.00	20.04	20.07	21.00
5	256QAM	1	0	18.31	18.34	18.21	19.00
5	256QAM	1	12	18.25	18.39	18.39	19.00
5	256QAM	1	24	18.22	18.40	18.28	19.00
5	256QAM	12	0	18.14	18.24	18.12	19.00
5	256QAM	12	7	18.08	18.27	18.27	19.00
5	256QAM	12	13	18.08	18.10	18.13	19.00
5	256QAM	25	0	18.19	18.19	18.21	19.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.23	23.23	23.26	24.00
3	QPSK	1	8	23.06	23.11	23.10	24.00
3	QPSK	1	14	22.92	22.99	23.02	24.00
3	QPSK	8	0	22.17	22.25	22.12	23.00
3	QPSK	8	4	22.14	22.12	22.21	23.00
3	QPSK	8	7	22.13	22.25	22.16	23.00
3	QPSK	15	0	22.15	22.18	21.99	23.00
3	16QAM	1	0	22.45	22.48	22.41	23.00
3	16QAM	1	8	22.29	22.37	22.39	23.00
3	16QAM	1	14	22.19	22.34	22.30	23.00
3	16QAM	8	0	21.18	21.19	21.04	22.00



3	16QAM	8	4	21.05	21.27	21.14	22.00
3	16QAM	8	7	21.24	21.23	21.22	22.00
3	16QAM	15	0	21.19	21.19	21.22	22.00
3	64QAM	1	0	21.26	21.37	21.34	22.00
3	64QAM	1	8	21.46	21.40	21.36	22.00
3	64QAM	1	14	21.13	21.31	21.24	22.00
3	64QAM	8	0	20.17	20.33	20.32	21.00
3	64QAM	8	4	20.10	20.14	20.08	21.00
3	64QAM	8	7	20.16	20.27	20.16	21.00
3	64QAM	15	0	20.13	20.08	20.10	21.00
3	256QAM	1	0	18.32	18.31	18.24	19.00
3	256QAM	1	8	18.33	18.36	18.40	19.00
3	256QAM	1	14	18.25	18.40	18.29	19.00
3	256QAM	8	0	18.09	18.26	18.12	19.00
3	256QAM	8	4	18.17	18.22	18.19	19.00
3	256QAM	8	7	18.05	18.17	18.07	19.00
3	256QAM	15	0	18.16	18.22	18.19	19.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.29	23.22	23.31	24.00
1.4	QPSK	1	3	23.15	23.12	23.16	24.00
1.4	QPSK	1	5	22.90	23.07	22.99	24.00
1.4	QPSK	3	0	23.04	23.19	23.17	24.00
1.4	QPSK	3	1	23.09	23.24	23.20	24.00
1.4	QPSK	3	3	23.07	23.27	23.16	24.00
1.4	QPSK	6	0	22.15	22.11	22.00	23.00
1.4	16QAM	1	0	22.43	22.40	22.38	23.00
1.4	16QAM	1	3	22.37	22.31	22.38	23.00
1.4	16QAM	1	5	22.27	22.30	22.26	23.00
1.4	16QAM	3	0	22.13	22.13	22.11	23.00
1.4	16QAM	3	1	22.05	22.18	22.03	23.00
1.4	16QAM	3	3	22.20	22.34	22.34	23.00
1.4	16QAM	6	0	21.15	21.32	21.30	22.00
1.4	64QAM	1	0	21.38	21.32	21.32	22.00
1.4	64QAM	1	3	21.43	21.44	21.40	22.00
1.4	64QAM	1	5	21.20	21.35	21.14	22.00
1.4	64QAM	3	0	21.23	21.27	21.28	22.00
1.4	64QAM	3	1	21.10	21.25	21.13	22.00
1.4	64QAM	3	3	21.21	21.15	21.21	22.00
1.4	64QAM	6	0	20.00	20.09	20.04	21.00
1.4	256QAM	1	0	18.23	18.37	18.20	19.00
1.4	256QAM	1	3	18.32	18.47	18.42	19.00
1.4	256QAM	1	5	18.27	18.32	18.26	19.00
1.4	256QAM	3	0	18.14	18.30	18.12	19.00
1.4	256QAM	3	1	18.11	18.27	18.18	19.00
1.4	256QAM	3	3	18.04	18.16	18.09	19.00
1.4	256QAM	6	0	18.24	18.24	18.17	19.00

【LTE Band 5_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.31	23.31	23.33	24.00
10	QPSK	1	25	23.19	23.24	23.18	24.00
10	QPSK	1	49	23.03	23.13	23.09	24.00
10	QPSK	25	0	22.18	22.31	22.21	23.00
10	QPSK	25	12	22.24	22.27	22.24	23.00
10	QPSK	25	25	22.21	22.28	22.22	23.00
10	QPSK	50	0	22.18	22.23	22.11	23.00
10	16QAM	1	0	22.47	22.51	22.47	23.00
10	16QAM	1	25	22.42	22.45	22.44	23.00
10	16QAM	1	49	22.33	22.39	22.32	23.00
10	16QAM	25	0	21.24	21.26	21.18	22.00
10	16QAM	25	12	21.17	21.29	21.17	22.00
10	16QAM	25	25	21.31	21.37	21.37	22.00
10	16QAM	50	0	21.26	21.34	21.32	22.00
10	64QAM	1	0	21.41	21.44	21.37	22.00
10	64QAM	1	25	21.47	21.49	21.43	22.00
10	64QAM	1	49	21.27	21.39	21.27	22.00
10	64QAM	25	0	20.26	20.37	20.37	21.00
10	64QAM	25	12	20.21	20.29	20.19	21.00



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10	64QAM	25	25	20.22	20.28	20.26	21.00
10	64QAM	50	0	20.14	20.19	20.13	21.00
10	256QAM	1	0	18.34	18.43	18.32	19.00
10	256QAM	1	25	18.36	18.51	18.51	19.00
10	256QAM	1	49	18.33	18.42	18.37	19.00
10	256QAM	25	0	18.20	18.32	18.23	19.00
10	256QAM	25	12	18.20	18.32	18.28	19.00
10	256QAM	25	25	18.18	18.22	18.17	19.00
10	256QAM	50	0	18.30	18.33	18.32	19.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	23.29	23.22	23.26	24.00
5	QPSK	1	12	23.12	23.10	23.13	24.00
5	QPSK	1	24	22.88	23.03	22.98	24.00
5	QPSK	12	0	22.07	22.22	22.13	23.00
5	QPSK	12	7	22.21	22.15	22.09	23.00
5	QPSK	12	13	22.20	22.21	22.20	23.00
5	QPSK	25	0	22.05	22.11	21.97	23.00
5	16QAM	1	0	22.34	22.42	22.43	23.00
5	16QAM	1	12	22.29	22.40	22.36	23.00
5	16QAM	1	24	22.32	22.38	22.23	23.00
5	16QAM	12	0	21.12	21.19	21.07	22.00
5	16QAM	12	7	21.10	21.17	21.12	22.00
5	16QAM	12	13	21.28	21.22	21.31	22.00
5	16QAM	25	0	21.22	21.20	21.19	22.00
5	64QAM	1	0	21.38	21.34	21.28	22.00
5	64QAM	1	12	21.45	21.35	21.35	22.00
5	64QAM	1	24	21.18	21.29	21.22	22.00
5	64QAM	12	0	20.21	20.26	20.28	21.00
5	64QAM	12	7	20.17	20.23	20.17	21.00
5	64QAM	12	13	20.12	20.19	20.22	21.00
5	64QAM	25	0	20.00	20.04	20.07	21.00
5	256QAM	1	0	18.31	18.34	18.21	19.00
5	256QAM	1	12	18.25	18.39	18.39	19.00
5	256QAM	1	24	18.22	18.40	18.28	19.00
5	256QAM	12	0	18.14	18.24	18.12	19.00
5	256QAM	12	7	18.08	18.27	18.27	19.00
5	256QAM	12	13	18.08	18.10	18.13	19.00
5	256QAM	25	0	18.19	18.19	18.21	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	23.23	23.23	23.26	24.00
3	QPSK	1	8	23.06	23.11	23.10	24.00
3	QPSK	1	14	22.92	22.99	23.02	24.00
3	QPSK	8	0	22.17	22.25	22.12	23.00
3	QPSK	8	4	22.14	22.12	22.21	23.00
3	QPSK	8	7	22.13	22.25	22.16	23.00
3	QPSK	15	0	22.15	22.18	21.99	23.00
3	16QAM	1	0	22.45	22.48	22.41	23.00
3	16QAM	1	8	22.29	22.37	22.39	23.00
3	16QAM	1	14	22.19	22.34	22.30	23.00
3	16QAM	8	0	21.18	21.19	21.04	22.00
3	16QAM	8	4	21.05	21.27	21.14	22.00
3	16QAM	8	7	21.24	21.23	21.22	22.00
3	16QAM	15	0	21.19	21.19	21.22	22.00
3	64QAM	1	0	21.26	21.37	21.34	22.00
3	64QAM	1	8	21.46	21.40	21.36	22.00
3	64QAM	1	14	21.13	21.31	21.24	22.00
3	64QAM	8	0	20.17	20.33	20.32	21.00
3	64QAM	8	4	20.10	20.14	20.08	21.00
3	64QAM	8	7	20.16	20.27	20.16	21.00
3	64QAM	15	0	20.13	20.08	20.10	21.00
3	256QAM	1	0	18.32	18.31	18.24	19.00
3	256QAM	1	8	18.33	18.36	18.40	19.00
3	256QAM	1	14	18.25	18.40	18.29	19.00
3	256QAM	8	0	18.09	18.26	18.12	19.00
3	256QAM	8	4	18.17	18.22	18.19	19.00
3	256QAM	8	7	18.05	18.17	18.07	19.00
3	256QAM	15	0	18.16	18.22	18.19	19.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	23.29	23.22	23.31	24.00
1.4	QPSK	1	3	23.15	23.12	23.16	24.00
1.4	QPSK	1	5	22.90	23.07	22.99	24.00
1.4	QPSK	3	0	23.04	23.19	23.17	24.00
1.4	QPSK	3	1	23.09	23.24	23.20	24.00
1.4	QPSK	3	3	23.07	23.27	23.16	24.00
1.4	QPSK	6	0	22.15	22.11	22.00	23.00



1.4	16QAM	1	0	22.43	22.40	22.38	23.00
1.4	16QAM	1	3	22.37	22.31	22.38	23.00
1.4	16QAM	1	5	22.27	22.30	22.26	23.00
1.4	16QAM	3	0	22.13	22.13	22.11	23.00
1.4	16QAM	3	1	22.05	22.18	22.03	23.00
1.4	16QAM	3	3	22.20	22.34	22.34	23.00
1.4	16QAM	6	0	21.15	21.32	21.30	22.00
1.4	64QAM	1	0	21.38	21.32	21.32	22.00
1.4	64QAM	1	3	21.43	21.44	21.40	22.00
1.4	64QAM	1	5	21.20	21.35	21.14	22.00
1.4	64QAM	3	0	21.23	21.27	21.28	22.00
1.4	64QAM	3	1	21.10	21.25	21.13	22.00
1.4	64QAM	3	3	21.21	21.15	21.21	22.00
1.4	64QAM	6	0	20.00	20.09	20.04	21.00
1.4	256QAM	1	0	18.23	18.37	18.20	19.00
1.4	256QAM	1	3	18.32	18.47	18.42	19.00
1.4	256QAM	1	5	18.27	18.32	18.26	19.00
1.4	256QAM	3	0	18.14	18.30	18.12	19.00
1.4	256QAM	3	1	18.11	18.27	18.18	19.00
1.4	256QAM	3	3	18.04	18.16	18.09	19.00
1.4	256QAM	6	0	18.24	18.24	18.17	19.00

【LTE Band 5_Ant 0_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	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	19.22	19.43	19.34	20.00
10	QPSK	1	25	19.28	19.24	19.41	20.00
10	QPSK	1	49	19.42	19.34	19.29	20.00
10	QPSK	25	0	19.42	19.30	19.23	20.00
10	QPSK	25	12	19.26	19.28	19.29	20.00
10	QPSK	25	25	19.38	19.21	19.40	20.00
10	QPSK	50	0	19.36	19.38	19.27	20.00
10	16QAM	1	0	19.31	19.26	19.25	20.00
10	16QAM	1	25	19.25	19.41	19.35	20.00
10	16QAM	1	49	19.28	19.42	19.38	20.00
10	16QAM	25	0	19.28	19.29	19.25	20.00
10	16QAM	25	12	19.38	19.24	19.23	20.00
10	16QAM	25	25	19.36	19.26	19.40	20.00
10	16QAM	50	0	19.23	19.22	19.43	20.00
10	64QAM	1	0	19.19	19.35	19.32	20.00
10	64QAM	1	25	19.34	19.30	19.24	20.00
10	64QAM	1	49	19.21	19.41	19.31	20.00
10	64QAM	25	0	19.35	19.23	19.31	20.00
10	64QAM	25	12	19.43	19.27	19.29	20.00
10	64QAM	25	25	19.33	19.34	19.36	20.00
10	64QAM	50	0	19.28	19.34	19.27	20.00
10	256QAM	1	0	18.34	18.43	18.32	19.00
10	256QAM	1	25	18.36	18.51	18.51	19.00
10	256QAM	1	49	18.33	18.42	18.37	19.00
10	256QAM	25	0	18.20	18.32	18.23	19.00
10	256QAM	25	12	18.20	18.32	18.28	19.00
10	256QAM	25	25	18.18	18.22	18.17	19.00
10	256QAM	50	0	18.30	18.33	18.32	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.17	19.30	19.31	20.00
5	QPSK	1	12	19.22	19.11	19.31	20.00
5	QPSK	1	24	19.21	19.32	19.25	20.00
5	QPSK	12	0	19.21	19.28	19.17	20.00
5	QPSK	12	7	19.15	19.25	19.17	20.00
5	QPSK	12	13	19.21	19.08	19.29	20.00
5	QPSK	25	0	19.21	19.26	19.13	20.00
5	16QAM	1	0	19.20	19.11	19.14	20.00
5	16QAM	1	12	19.18	19.37	19.24	20.00
5	16QAM	1	24	19.20	19.34	19.28	20.00
5	16QAM	12	0	19.20	19.24	19.18	20.00
5	16QAM	12	7	19.21	19.22	19.17	20.00
5	16QAM	12	13	19.22	19.18	19.26	20.00
5	16QAM	25	0	19.15	19.07	19.30	20.00
5	64QAM	1	0	19.13	19.30	19.31	20.00



5	64QAM	1	12	19.21	19.18	19.21	20.00
5	64QAM	1	24	19.14	19.37	19.24	20.00
5	64QAM	12	0	19.21	19.08	19.28	20.00
5	64QAM	12	7	19.22	19.16	19.19	20.00
5	64QAM	12	13	19.22	19.26	19.33	20.00
5	64QAM	25	0	19.17	19.27	19.16	20.00
5	256QAM	1	0	18.20	18.29	18.27	19.00
5	256QAM	1	12	18.26	18.43	18.47	19.00
5	256QAM	1	24	18.23	18.39	18.27	19.00
5	256QAM	12	0	18.05	18.28	18.22	19.00
5	256QAM	12	7	18.15	18.29	18.21	19.00
5	256QAM	12	13	18.15	18.13	18.03	19.00
5	256QAM	25	0	18.16	18.29	18.25	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	19.08	19.32	19.27	20.00
3	QPSK	1	8	19.13	19.19	19.33	20.00
3	QPSK	1	14	19.21	19.19	19.17	20.00
3	QPSK	8	0	19.20	19.26	19.11	20.00
3	QPSK	8	4	19.12	19.17	19.23	20.00
3	QPSK	8	7	19.21	19.11	19.33	20.00
3	QPSK	15	0	19.22	19.32	19.13	20.00
3	16QAM	1	0	19.21	19.20	19.15	20.00
3	16QAM	1	8	19.18	19.36	19.25	20.00
3	16QAM	1	14	19.22	19.28	19.27	20.00
3	16QAM	8	0	19.22	19.28	19.15	20.00
3	16QAM	8	4	19.20	19.11	19.15	20.00
3	16QAM	8	7	19.22	19.15	19.34	20.00
3	16QAM	15	0	19.11	19.12	19.31	20.00
3	64QAM	1	0	19.05	19.23	19.21	20.00
3	64QAM	1	8	19.22	19.28	19.13	20.00
3	64QAM	1	14	19.20	19.30	19.20	20.00
3	64QAM	8	0	19.22	19.21	19.28	20.00
3	64QAM	8	4	19.22	19.22	19.28	20.00
3	64QAM	8	7	19.21	19.33	19.33	20.00
3	64QAM	15	0	19.22	19.20	19.13	20.00
3	256QAM	1	0	18.24	18.38	18.31	19.00
3	256QAM	1	8	18.32	18.47	18.49	19.00
3	256QAM	1	14	18.31	18.41	18.30	19.00
3	256QAM	8	0	18.16	18.21	18.13	19.00
3	256QAM	8	4	18.17	18.31	18.15	19.00
3	256QAM	8	7	18.13	18.16	18.10	19.00
3	256QAM	15	0	18.24	18.19	18.20	19.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	19.19	19.34	19.21	20.00
1.4	QPSK	1	3	19.22	19.17	19.29	20.00
1.4	QPSK	1	5	19.22	19.22	19.21	20.00
1.4	QPSK	3	0	19.22	19.19	19.14	20.00
1.4	QPSK	3	1	19.20	19.19	19.14	20.00
1.4	QPSK	3	3	19.21	19.09	19.34	20.00
1.4	QPSK	6	0	19.22	19.27	19.23	20.00
1.4	16QAM	1	0	19.21	19.13	19.16	20.00
1.4	16QAM	1	3	19.12	19.39	19.23	20.00
1.4	16QAM	1	5	19.18	19.28	19.23	20.00
1.4	16QAM	3	0	19.22	19.28	19.20	20.00
1.4	16QAM	3	1	19.22	19.20	19.20	20.00
1.4	16QAM	3	3	19.21	19.24	19.34	20.00
1.4	16QAM	6	0	19.10	19.19	19.30	20.00
1.4	64QAM	1	0	19.07	19.33	19.27	20.00
1.4	64QAM	1	3	19.22	19.21	19.14	20.00
1.4	64QAM	1	5	19.18	19.34	19.23	20.00
1.4	64QAM	3	0	19.22	19.13	19.26	20.00
1.4	64QAM	3	1	19.22	19.16	19.15	20.00
1.4	64QAM	3	3	19.21	19.22	19.31	20.00
1.4	64QAM	6	0	19.21	19.27	19.14	20.00
1.4	256QAM	1	0	18.26	18.40	18.26	19.00
1.4	256QAM	1	3	18.32	18.42	18.38	19.00
1.4	256QAM	1	5	18.20	18.30	18.31	19.00
1.4	256QAM	3	0	18.14	18.29	18.21	19.00
1.4	256QAM	3	1	18.14	18.29	18.19	19.00
1.4	256QAM	3	3	18.04	18.11	18.06	19.00
1.4	256QAM	6	0	18.23	18.19	18.29	19.00



【LTE Band 5_Ant 0_Hotspot 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	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	19.22	19.43	19.34	20.00
10	QPSK	1	25	19.28	19.24	19.41	20.00
10	QPSK	1	49	19.42	19.34	19.29	20.00
10	QPSK	25	0	19.42	19.30	19.23	20.00
10	QPSK	25	12	19.26	19.28	19.29	20.00
10	QPSK	25	25	19.38	19.21	19.40	20.00
10	QPSK	50	0	19.36	19.38	19.27	20.00
10	16QAM	1	0	19.31	19.26	19.25	20.00
10	16QAM	1	25	19.25	19.41	19.35	20.00
10	16QAM	1	49	19.28	19.42	19.38	20.00
10	16QAM	25	0	19.28	19.29	19.25	20.00
10	16QAM	25	12	19.38	19.24	19.23	20.00
10	16QAM	25	25	19.36	19.26	19.40	20.00
10	16QAM	50	0	19.23	19.22	19.43	20.00
10	64QAM	1	0	19.19	19.35	19.32	20.00
10	64QAM	1	25	19.34	19.30	19.24	20.00
10	64QAM	1	49	19.21	19.41	19.31	20.00
10	64QAM	25	0	19.35	19.23	19.31	20.00
10	64QAM	25	12	19.43	19.27	19.29	20.00
10	64QAM	25	25	19.33	19.34	19.36	20.00
10	64QAM	50	0	19.28	19.34	19.27	20.00
10	256QAM	1	0	18.34	18.43	18.32	19.00
10	256QAM	1	25	18.36	18.51	18.51	19.00
10	256QAM	1	49	18.33	18.42	18.37	19.00
10	256QAM	25	0	18.20	18.32	18.23	19.00
10	256QAM	25	12	18.20	18.32	18.28	19.00
10	256QAM	25	25	18.18	18.22	18.17	19.00
10	256QAM	50	0	18.30	18.33	18.32	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.17	19.30	19.31	20.00
5	QPSK	1	12	19.22	19.11	19.31	20.00
5	QPSK	1	24	19.21	19.32	19.25	20.00
5	QPSK	12	0	19.21	19.28	19.17	20.00
5	QPSK	12	7	19.15	19.25	19.17	20.00
5	QPSK	12	13	19.21	19.08	19.29	20.00
5	QPSK	25	0	19.21	19.26	19.13	20.00
5	16QAM	1	0	19.20	19.11	19.14	20.00
5	16QAM	1	12	19.18	19.37	19.24	20.00
5	16QAM	1	24	19.20	19.34	19.28	20.00
5	16QAM	12	0	19.20	19.24	19.18	20.00
5	16QAM	12	7	19.21	19.22	19.17	20.00
5	16QAM	12	13	19.22	19.18	19.26	20.00
5	16QAM	25	0	19.15	19.07	19.30	20.00
5	64QAM	1	0	19.13	19.30	19.31	20.00
5	64QAM	1	12	19.21	19.18	19.21	20.00
5	64QAM	1	24	19.14	19.37	19.24	20.00
5	64QAM	12	0	19.21	19.08	19.28	20.00
5	64QAM	12	7	19.22	19.16	19.19	20.00
5	64QAM	12	13	19.22	19.26	19.33	20.00
5	64QAM	25	0	19.17	19.27	19.16	20.00
5	256QAM	1	0	18.20	18.29	18.27	19.00
5	256QAM	1	12	18.26	18.43	18.47	19.00
5	256QAM	1	24	18.23	18.39	18.27	19.00
5	256QAM	12	0	18.05	18.28	18.22	19.00
5	256QAM	12	7	18.15	18.29	18.21	19.00
5	256QAM	12	13	18.15	18.13	18.03	19.00
5	256QAM	25	0	18.16	18.29	18.25	19.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	19.08	19.32	19.27	20.00
3	QPSK	1	8	19.13	19.19	19.33	20.00
3	QPSK	1	14	19.21	19.19	19.17	20.00
3	QPSK	8	0	19.20	19.26	19.11	20.00
3	QPSK	8	4	19.12	19.17	19.23	20.00
3	QPSK	8	7	19.21	19.11	19.33	20.00
3	QPSK	15	0	19.22	19.32	19.13	20.00
3	16QAM	1	0	19.21	19.20	19.15	20.00
3	16QAM	1	8	19.18	19.36	19.25	20.00
3	16QAM	1	14	19.22	19.28	19.27	20.00
3	16QAM	8	0	19.22	19.28	19.15	20.00
3	16QAM	8	4	19.20	19.11	19.15	20.00



3	16QAM	8	7	19.22	19.15	19.34	20.00
3	16QAM	15	0	19.11	19.12	19.31	20.00
3	64QAM	1	0	19.05	19.23	19.21	20.00
3	64QAM	1	8	19.22	19.28	19.13	20.00
3	64QAM	1	14	19.20	19.30	19.20	20.00
3	64QAM	8	0	19.22	19.21	19.28	20.00
3	64QAM	8	4	19.22	19.22	19.28	20.00
3	64QAM	8	7	19.21	19.33	19.33	20.00
3	64QAM	15	0	19.22	19.20	19.13	20.00
3	256QAM	1	0	18.24	18.38	18.31	19.00
3	256QAM	1	8	18.32	18.47	18.49	19.00
3	256QAM	1	14	18.31	18.41	18.30	19.00
3	256QAM	8	0	18.16	18.21	18.13	19.00
3	256QAM	8	4	18.17	18.31	18.15	19.00
3	256QAM	8	7	18.13	18.16	18.10	19.00
3	256QAM	15	0	18.24	18.19	18.20	19.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	19.19	19.34	19.21	20.00
1.4	QPSK	1	3	19.22	19.17	19.29	20.00
1.4	QPSK	1	5	19.22	19.22	19.21	20.00
1.4	QPSK	3	0	19.22	19.19	19.14	20.00
1.4	QPSK	3	1	19.20	19.19	19.14	20.00
1.4	QPSK	3	3	19.21	19.09	19.34	20.00
1.4	QPSK	6	0	19.22	19.27	19.23	20.00
1.4	16QAM	1	0	19.21	19.13	19.16	20.00
1.4	16QAM	1	3	19.12	19.39	19.23	20.00
1.4	16QAM	1	5	19.18	19.28	19.23	20.00
1.4	16QAM	3	0	19.22	19.28	19.20	20.00
1.4	16QAM	3	1	19.22	19.20	19.20	20.00
1.4	16QAM	3	3	19.21	19.24	19.34	20.00
1.4	16QAM	6	0	19.10	19.19	19.30	20.00
1.4	64QAM	1	0	19.07	19.33	19.27	20.00
1.4	64QAM	1	3	19.22	19.21	19.14	20.00
1.4	64QAM	1	5	19.18	19.34	19.23	20.00
1.4	64QAM	3	0	19.22	19.13	19.26	20.00
1.4	64QAM	3	1	19.22	19.16	19.15	20.00
1.4	64QAM	3	3	19.21	19.22	19.31	20.00
1.4	64QAM	6	0	19.21	19.27	19.14	20.00
1.4	256QAM	1	0	18.26	18.40	18.26	19.00
1.4	256QAM	1	3	18.32	18.42	18.38	19.00
1.4	256QAM	1	5	18.20	18.30	18.31	19.00
1.4	256QAM	3	0	18.14	18.29	18.21	19.00
1.4	256QAM	3	1	18.14	18.29	18.19	19.00
1.4	256QAM	3	3	18.04	18.11	18.06	19.00
1.4	256QAM	6	0	18.23	18.19	18.29	19.00

【LTE Band 7_Ant 0_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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.98	24.04	23.88	25.00
20	QPSK	1	49	23.76	23.93	23.64	25.00
20	QPSK	1	99	23.50	23.70	23.42	25.00
20	QPSK	50	0	22.85	23.03	22.77	24.00
20	QPSK	50	24	22.92	23.02	22.74	24.00
20	QPSK	50	50	22.93	23.03	22.78	24.00
20	QPSK	100	0	22.92	23.10	22.84	24.00
20	16QAM	1	0	23.29	23.36	23.07	24.00
20	16QAM	1	49	23.36	23.54	23.29	24.00
20	16QAM	1	99	23.10	23.27	23.03	24.00
20	16QAM	50	0	22.02	22.12	21.87	23.00
20	16QAM	50	24	21.99	22.08	21.81	23.00
20	16QAM	50	50	21.78	21.98	21.73	23.00
20	16QAM	100	0	21.86	22.04	21.76	23.00
20	64QAM	1	0	22.15	22.30	22.01	23.00
20	64QAM	1	49	22.07	22.25	22.07	23.00
20	64QAM	1	99	21.90	21.97	21.76	23.00
20	64QAM	50	0	20.99	21.15	20.86	22.00
20	64QAM	50	24	20.91	21.04	20.86	22.00
20	64QAM	50	50	20.83	20.98	20.70	22.00



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20	64QAM	100	0	20.95	21.08	20.87	22.00
20	256QAM	1	0	19.03	19.19	18.92	20.00
20	256QAM	1	49	18.96	19.08	18.82	20.00
20	256QAM	1	99	18.82	19.01	18.83	20.00
20	256QAM	50	0	18.75	18.91	18.66	20.00
20	256QAM	50	24	18.99	19.13	18.90	20.00
20	256QAM	50	50	18.83	19.02	18.84	20.00
20	256QAM	100	0	18.94	19.11	18.89	20.00
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	23.91	24.01	23.74	25.00
15	QPSK	1	37	23.63	23.86	23.58	25.00
15	QPSK	1	74	23.38	23.58	23.28	25.00
15	QPSK	36	0	22.83	22.96	22.69	24.00
15	QPSK	36	20	22.77	22.92	22.70	24.00
15	QPSK	36	39	22.91	23.00	22.70	24.00
15	QPSK	75	0	22.84	22.97	22.74	24.00
15	16QAM	1	0	23.22	23.24	23.05	24.00
15	16QAM	1	37	23.23	23.48	23.18	24.00
15	16QAM	1	74	23.04	23.22	22.92	24.00
15	16QAM	36	0	21.96	22.11	21.82	23.00
15	16QAM	36	20	21.95	22.00	21.76	23.00
15	16QAM	36	39	21.75	21.94	21.69	23.00
15	16QAM	75	0	21.81	22.02	21.70	23.00
15	64QAM	1	0	22.08	22.24	21.88	23.00
15	64QAM	1	37	22.00	22.15	21.94	23.00
15	64QAM	1	74	21.83	21.93	21.74	23.00
15	64QAM	36	0	20.87	21.02	20.72	22.00
15	64QAM	36	20	20.90	20.96	20.78	22.00
15	64QAM	36	39	20.69	20.90	20.62	22.00
15	64QAM	75	0	20.93	20.98	20.75	22.00
15	256QAM	1	0	18.95	19.08	18.86	20.00
15	256QAM	1	37	18.85	18.98	18.79	20.00
15	256QAM	1	74	18.69	18.92	18.81	20.00
15	256QAM	36	0	18.65	18.78	18.60	20.00
15	256QAM	36	20	18.85	19.03	18.79	20.00
15	256QAM	36	39	18.74	18.92	18.79	20.00
15	256QAM	75	0	18.89	19.10	18.86	20.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	23.89	24.02	23.77	25.00
10	QPSK	1	25	23.65	23.89	23.62	25.00
10	QPSK	1	49	23.36	23.63	23.38	25.00
10	QPSK	25	0	22.76	22.97	22.68	24.00
10	QPSK	25	12	22.83	22.93	22.60	24.00
10	QPSK	25	25	22.91	22.95	22.68	24.00
10	QPSK	50	0	22.79	23.08	22.74	24.00
10	16QAM	1	0	23.24	23.24	23.04	24.00
10	16QAM	1	25	23.23	23.43	23.21	24.00
10	16QAM	1	49	22.97	23.21	22.89	24.00
10	16QAM	25	0	21.96	22.03	21.72	23.00
10	16QAM	25	12	21.85	22.03	21.68	23.00
10	16QAM	25	25	21.72	21.86	21.65	23.00
10	16QAM	50	0	21.76	21.91	21.64	23.00
10	64QAM	1	0	22.09	22.27	21.87	23.00
10	64QAM	1	25	22.05	22.13	22.03	23.00
10	64QAM	1	49	21.80	21.91	21.69	23.00
10	64QAM	25	0	20.95	21.05	20.72	22.00
10	64QAM	25	12	20.78	20.90	20.78	22.00
10	64QAM	25	25	20.72	20.92	20.68	22.00
10	64QAM	50	0	20.86	21.04	20.80	22.00
10	256QAM	1	0	18.90	19.06	18.88	20.00
10	256QAM	1	25	18.94	18.97	18.73	20.00
10	256QAM	1	49	18.80	18.94	18.73	20.00
10	256QAM	25	0	18.66	18.87	18.60	20.00
10	256QAM	25	12	18.93	19.09	18.81	20.00
10	256QAM	25	25	18.80	18.88	18.78	20.00
10	256QAM	50	0	18.79	19.06	18.75	20.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	23.87	23.97	23.74	25.00
5	QPSK	1	12	23.73	23.91	23.59	25.00
5	QPSK	1	24	23.47	23.66	23.33	25.00
5	QPSK	12	0	22.74	22.91	22.69	24.00
5	QPSK	12	7	22.79	22.89	22.64	24.00
5	QPSK	12	13	22.84	23.02	22.76	24.00
5	QPSK	25	0	22.79	22.97	22.75	24.00
5	16QAM	1	0	23.22	23.30	22.96	24.00



5	16QAM	1	12	23.22	23.43	23.21	24.00
5	16QAM	1	24	23.07	23.23	22.95	24.00
5	16QAM	12	0	21.96	22.03	21.77	23.00
5	16QAM	12	7	21.97	22.03	21.67	23.00
5	16QAM	12	13	21.68	21.93	21.65	23.00
5	16QAM	25	0	21.77	21.91	21.72	23.00
5	64QAM	1	0	22.09	22.26	21.98	23.00
5	64QAM	1	12	22.04	22.12	22.02	23.00
5	64QAM	1	24	21.82	21.88	21.73	23.00
5	64QAM	12	0	20.85	21.04	20.79	22.00
5	64QAM	12	7	20.85	21.01	20.75	22.00
5	64QAM	12	13	20.69	20.97	20.64	22.00
5	64QAM	25	0	20.81	21.01	20.80	22.00
5	256QAM	1	0	18.99	19.07	18.78	20.00
5	256QAM	1	12	18.93	18.99	18.78	20.00
5	256QAM	1	24	18.77	18.94	18.80	20.00
5	256QAM	12	0	18.62	18.87	18.58	20.00
5	256QAM	12	7	18.98	18.98	18.80	20.00
5	256QAM	12	13	18.73	18.96	18.73	20.00
5	256QAM	25	0	18.80	19.09	18.86	20.00

【LTE Band 7_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.98	24.04	23.88	25.00
20	QPSK	1	49	23.76	23.93	23.64	25.00
20	QPSK	1	99	23.50	23.70	23.42	25.00
20	QPSK	50	0	22.85	23.03	22.77	24.00
20	QPSK	50	24	22.92	23.02	22.74	24.00
20	QPSK	50	50	22.93	23.03	22.78	24.00
20	QPSK	100	0	22.92	23.10	22.84	24.00
20	16QAM	1	0	23.29	23.36	23.07	24.00
20	16QAM	1	49	23.36	23.54	23.29	24.00
20	16QAM	1	99	23.10	23.27	23.03	24.00
20	16QAM	50	0	22.02	22.12	21.87	23.00
20	16QAM	50	24	21.99	22.08	21.81	23.00
20	16QAM	50	50	21.78	21.98	21.73	23.00
20	16QAM	100	0	21.86	22.04	21.76	23.00
20	64QAM	1	0	22.15	22.30	22.01	23.00
20	64QAM	1	49	22.07	22.25	22.07	23.00
20	64QAM	1	99	21.90	21.97	21.76	23.00
20	64QAM	50	0	20.99	21.15	20.86	22.00
20	64QAM	50	24	20.91	21.04	20.86	22.00
20	64QAM	50	50	20.83	20.98	20.70	22.00
20	64QAM	100	0	20.95	21.08	20.87	22.00
20	256QAM	1	0	19.03	19.19	18.92	20.00
20	256QAM	1	49	18.96	19.08	18.82	20.00
20	256QAM	1	99	18.82	19.01	18.83	20.00
20	256QAM	50	0	18.75	18.91	18.66	20.00
20	256QAM	50	24	18.99	19.13	18.90	20.00
20	256QAM	50	50	18.83	19.02	18.84	20.00
20	256QAM	100	0	18.94	19.11	18.89	20.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.91	24.01	23.74	25.00
15	QPSK	1	37	23.63	23.86	23.58	25.00
15	QPSK	1	74	23.38	23.58	23.28	25.00
15	QPSK	36	0	22.83	22.96	22.69	24.00
15	QPSK	36	20	22.77	22.92	22.70	24.00
15	QPSK	36	39	22.91	23.00	22.70	24.00
15	QPSK	75	0	22.84	22.97	22.74	24.00
15	16QAM	1	0	23.22	23.24	23.05	24.00
15	16QAM	1	37	23.23	23.48	23.18	24.00
15	16QAM	1	74	23.04	23.22	22.92	24.00
15	16QAM	36	0	21.96	22.11	21.82	23.00
15	16QAM	36	20	21.95	22.00	21.76	23.00
15	16QAM	36	39	21.75	21.94	21.69	23.00
15	16QAM	75	0	21.81	22.02	21.70	23.00
15	64QAM	1	0	22.08	22.24	21.88	23.00
15	64QAM	1	37	22.00	22.15	21.94	23.00



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15	64QAM	1	74	21.83	21.93	21.74	23.00
15	64QAM	36	0	20.87	21.02	20.72	22.00
15	64QAM	36	20	20.90	20.96	20.78	22.00
15	64QAM	36	39	20.69	20.90	20.62	22.00
15	64QAM	75	0	20.93	20.98	20.75	22.00
15	256QAM	1	0	18.95	19.08	18.86	20.00
15	256QAM	1	37	18.85	18.98	18.79	20.00
15	256QAM	1	74	18.69	18.92	18.81	20.00
15	256QAM	36	0	18.65	18.78	18.60	20.00
15	256QAM	36	20	18.85	19.03	18.79	20.00
15	256QAM	36	39	18.74	18.92	18.79	20.00
15	256QAM	75	0	18.89	19.10	18.86	20.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.89	24.02	23.77	25.00
10	QPSK	1	25	23.65	23.89	23.62	25.00
10	QPSK	1	49	23.36	23.63	23.38	25.00
10	QPSK	25	0	22.76	22.97	22.68	24.00
10	QPSK	25	12	22.83	22.93	22.60	24.00
10	QPSK	25	25	22.91	22.95	22.68	24.00
10	QPSK	50	0	22.79	23.08	22.74	24.00
10	16QAM	1	0	23.24	23.24	23.04	24.00
10	16QAM	1	25	23.23	23.43	23.21	24.00
10	16QAM	1	49	22.97	23.21	22.89	24.00
10	16QAM	25	0	21.96	22.03	21.72	23.00
10	16QAM	25	12	21.85	22.03	21.68	23.00
10	16QAM	25	25	21.72	21.86	21.65	23.00
10	16QAM	50	0	21.76	21.91	21.64	23.00
10	64QAM	1	0	22.09	22.27	21.87	23.00
10	64QAM	1	25	22.05	22.13	22.03	23.00
10	64QAM	1	49	21.80	21.91	21.69	23.00
10	64QAM	25	0	20.95	21.05	20.72	22.00
10	64QAM	25	12	20.78	20.90	20.78	22.00
10	64QAM	25	25	20.72	20.92	20.68	22.00
10	64QAM	50	0	20.86	21.04	20.80	22.00
10	256QAM	1	0	18.90	19.06	18.88	20.00
10	256QAM	1	25	18.94	18.97	18.73	20.00
10	256QAM	1	49	18.80	18.94	18.73	20.00
10	256QAM	25	0	18.66	18.87	18.60	20.00
10	256QAM	25	12	18.93	19.09	18.81	20.00
10	256QAM	25	25	18.80	18.88	18.78	20.00
10	256QAM	50	0	18.79	19.06	18.75	20.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.87	23.97	23.74	25.00
5	QPSK	1	12	23.73	23.91	23.59	25.00
5	QPSK	1	24	23.47	23.66	23.33	25.00
5	QPSK	12	0	22.74	22.91	22.69	24.00
5	QPSK	12	7	22.79	22.89	22.64	24.00
5	QPSK	12	13	22.84	23.02	22.76	24.00
5	QPSK	25	0	22.79	22.97	22.75	24.00
5	16QAM	1	0	23.22	23.30	22.96	24.00
5	16QAM	1	12	23.22	23.43	23.21	24.00
5	16QAM	1	24	23.07	23.23	22.95	24.00
5	16QAM	12	0	21.96	22.03	21.77	23.00
5	16QAM	12	7	21.97	22.03	21.67	23.00
5	16QAM	12	13	21.68	21.93	21.65	23.00
5	16QAM	25	0	21.77	21.91	21.72	23.00
5	64QAM	1	0	22.09	22.26	21.98	23.00
5	64QAM	1	12	22.04	22.12	22.02	23.00
5	64QAM	1	24	21.82	21.88	21.73	23.00
5	64QAM	12	0	20.85	21.04	20.79	22.00
5	64QAM	12	7	20.85	21.01	20.75	22.00
5	64QAM	12	13	20.69	20.97	20.64	22.00
5	64QAM	25	0	20.81	21.01	20.80	22.00
5	256QAM	1	0	18.99	19.07	18.78	20.00
5	256QAM	1	12	18.93	18.99	18.78	20.00
5	256QAM	1	24	18.77	18.94	18.80	20.00
5	256QAM	12	0	18.62	18.87	18.58	20.00
5	256QAM	12	7	18.98	18.98	18.80	20.00
5	256QAM	12	13	18.73	18.96	18.73	20.00
5	256QAM	25	0	18.80	19.09	18.86	20.00



【LTE Band 7_Ant 0_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				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	15.44	15.58	15.49	16.50
20	QPSK	1	49	15.36	15.58	15.30	16.50
20	QPSK	1	99	15.42	15.47	15.44	16.50
20	QPSK	50	0	15.49	15.55	15.40	16.50
20	QPSK	50	24	15.49	15.54	15.41	16.50
20	QPSK	50	50	15.43	15.53	15.33	16.50
20	QPSK	100	0	15.50	15.57	15.28	16.50
20	16QAM	1	0	15.51	15.47	15.40	16.50
20	16QAM	1	49	15.53	15.61	15.27	16.50
20	16QAM	1	99	15.43	15.45	15.39	16.50
20	16QAM	50	0	15.48	15.51	15.40	16.50
20	16QAM	50	24	15.38	15.55	15.32	16.50
20	16QAM	50	50	15.40	15.51	15.47	16.50
20	16QAM	100	0	15.54	15.44	15.37	16.50
20	64QAM	1	0	15.48	15.57	15.46	16.50
20	64QAM	1	49	15.54	15.55	15.31	16.50
20	64QAM	1	99	15.38	15.47	15.34	16.50
20	64QAM	50	0	15.49	15.49	15.36	16.50
20	64QAM	50	24	15.39	15.62	15.43	16.50
20	64QAM	50	50	15.55	15.43	15.35	16.50
20	64QAM	100	0	15.42	15.45	15.44	16.50
20	256QAM	1	0	15.36	15.66	15.30	16.50
20	256QAM	1	49	15.47	15.66	15.33	16.50
20	256QAM	1	99	15.60	15.54	15.49	16.50
20	256QAM	50	0	15.37	15.50	15.28	16.50
20	256QAM	50	24	15.44	15.50	15.34	16.50
20	256QAM	50	50	15.41	15.46	15.48	16.50
20	256QAM	100	0	15.39	15.52	15.41	16.50
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	15.33	15.47	15.36	16.50
15	QPSK	1	37	15.23	15.51	15.28	16.50
15	QPSK	1	74	15.34	15.36	15.32	16.50
15	QPSK	36	0	15.34	15.52	15.28	16.50
15	QPSK	36	20	15.43	15.43	15.33	16.50
15	QPSK	36	39	15.38	15.48	15.32	16.50
15	QPSK	75	0	15.44	15.43	15.24	16.50
15	16QAM	1	0	15.41	15.33	15.31	16.50
15	16QAM	1	37	15.44	15.54	15.24	16.50
15	16QAM	1	74	15.32	15.36	15.26	16.50
15	16QAM	36	0	15.43	15.49	15.37	16.50
15	16QAM	36	20	15.26	15.45	15.21	16.50
15	16QAM	36	39	15.32	15.38	15.40	16.50
15	16QAM	75	0	15.41	15.29	15.32	16.50
15	64QAM	1	0	15.36	15.56	15.37	16.50
15	64QAM	1	37	15.44	15.45	15.18	16.50
15	64QAM	1	74	15.28	15.37	15.20	16.50
15	64QAM	36	0	15.43	15.38	15.33	16.50
15	64QAM	36	20	15.28	15.55	15.29	16.50
15	64QAM	36	39	15.42	15.38	15.28	16.50
15	64QAM	75	0	15.39	15.44	15.36	16.50
15	256QAM	1	0	15.25	15.56	15.25	16.50
15	256QAM	1	37	15.35	15.56	15.29	16.50
15	256QAM	1	74	15.44	15.45	15.39	16.50
15	256QAM	36	0	15.26	15.45	15.13	16.50
15	256QAM	36	20	15.41	15.44	15.32	16.50
15	256QAM	36	39	15.35	15.42	15.43	16.50
15	256QAM	75	0	15.25	15.37	15.32	16.50
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	15.32	15.50	15.36	16.50
10	QPSK	1	25	15.34	15.50	15.15	16.50
10	QPSK	1	49	15.36	15.32	15.36	16.50
10	QPSK	25	0	15.42	15.51	15.30	16.50
10	QPSK	25	12	15.44	15.44	15.32	16.50
10	QPSK	25	25	15.34	15.46	15.30	16.50
10	QPSK	50	0	15.40	15.48	15.20	16.50
10	16QAM	1	0	15.39	15.36	15.30	16.50
10	16QAM	1	25	15.44	15.49	15.23	16.50
10	16QAM	1	49	15.38	15.39	15.34	16.50
10	16QAM	25	0	15.39	15.36	15.33	16.50
10	16QAM	25	12	15.35	15.48	15.28	16.50



10	16QAM	25	25	15.30	15.37	15.37	16.50
10	16QAM	50	0	15.42	15.30	15.28	16.50
10	64QAM	1	0	15.43	15.52	15.41	16.50
10	64QAM	1	25	15.44	15.42	15.18	16.50
10	64QAM	1	49	15.35	15.42	15.29	16.50
10	64QAM	25	0	15.44	15.47	15.35	16.50
10	64QAM	25	12	15.25	15.57	15.40	16.50
10	64QAM	25	25	15.44	15.41	15.25	16.50
10	64QAM	50	0	15.30	15.30	15.35	16.50
10	256QAM	1	0	15.31	15.57	15.20	16.50
10	256QAM	1	25	15.37	15.55	15.32	16.50
10	256QAM	1	49	15.44	15.41	15.37	16.50
10	256QAM	25	0	15.30	15.42	15.22	16.50
10	256QAM	25	12	15.30	15.41	15.31	16.50
10	256QAM	25	25	15.28	15.34	15.33	16.50
10	256QAM	50	0	15.27	15.47	15.32	16.50
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	15.36	15.49	15.44	16.50
5	QPSK	1	12	15.31	15.54	15.25	16.50
5	QPSK	1	24	15.31	15.35	15.29	16.50
5	QPSK	12	0	15.35	15.51	15.30	16.50
5	QPSK	12	7	15.44	15.42	15.36	16.50
5	QPSK	12	13	15.35	15.42	15.21	16.50
5	QPSK	25	0	15.44	15.52	15.17	16.50
5	16QAM	1	0	15.38	15.33	15.31	16.50
5	16QAM	1	12	15.42	15.55	15.18	16.50
5	16QAM	1	24	15.38	15.36	15.37	16.50
5	16QAM	12	0	15.42	15.44	15.25	16.50
5	16QAM	12	7	15.34	15.53	15.19	16.50
5	16QAM	12	13	15.31	15.38	15.41	16.50
5	16QAM	25	0	15.44	15.32	15.31	16.50
5	64QAM	1	0	15.42	15.51	15.39	16.50
5	64QAM	1	12	15.43	15.53	15.27	16.50
5	64QAM	1	24	15.32	15.36	15.27	16.50
5	64QAM	12	0	15.42	15.37	15.21	16.50
5	64QAM	12	7	15.29	15.54	15.36	16.50
5	64QAM	12	13	15.44	15.30	15.23	16.50
5	64QAM	25	0	15.39	15.35	15.31	16.50
5	256QAM	1	0	15.27	15.58	15.18	16.50
5	256QAM	1	12	15.41	15.57	15.29	16.50
5	256QAM	1	24	15.43	15.42	15.42	16.50
5	256QAM	12	0	15.28	15.39	15.25	16.50
5	256QAM	12	7	15.30	15.48	15.30	16.50
5	256QAM	12	13	15.34	15.37	15.39	16.50
5	256QAM	25	0	15.37	15.46	15.31	16.50

【LTE Band 7_Ant 0_Hotspot 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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	15.44	15.58	15.49	16.50
20	QPSK	1	49	15.36	15.58	15.30	16.50
20	QPSK	1	99	15.42	15.47	15.44	16.50
20	QPSK	50	0	15.49	15.55	15.40	16.50
20	QPSK	50	24	15.49	15.54	15.41	16.50
20	QPSK	50	50	15.43	15.53	15.33	16.50
20	QPSK	100	0	15.50	15.57	15.28	16.50
20	16QAM	1	0	15.51	15.47	15.40	16.50
20	16QAM	1	49	15.53	15.61	15.27	16.50
20	16QAM	1	99	15.43	15.45	15.39	16.50
20	16QAM	50	0	15.48	15.51	15.40	16.50
20	16QAM	50	24	15.38	15.55	15.32	16.50
20	16QAM	50	50	15.40	15.51	15.47	16.50
20	16QAM	100	0	15.54	15.44	15.37	16.50
20	64QAM	1	0	15.48	15.57	15.46	16.50
20	64QAM	1	49	15.54	15.55	15.31	16.50
20	64QAM	1	99	15.38	15.47	15.34	16.50
20	64QAM	50	0	15.49	15.49	15.36	16.50
20	64QAM	50	24	15.39	15.62	15.43	16.50
20	64QAM	50	50	15.55	15.43	15.35	16.50



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20	64QAM	100	0	15.42	15.45	15.44	16.50
20	256QAM	1	0	15.36	15.66	15.30	16.50
20	256QAM	1	49	15.47	15.66	15.33	16.50
20	256QAM	1	99	15.60	15.54	15.49	16.50
20	256QAM	50	0	15.37	15.50	15.28	16.50
20	256QAM	50	24	15.44	15.50	15.34	16.50
20	256QAM	50	50	15.41	15.46	15.48	16.50
20	256QAM	100	0	15.39	15.52	15.41	16.50
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	15.33	15.47	15.36	16.50
15	QPSK	1	37	15.23	15.51	15.28	16.50
15	QPSK	1	74	15.34	15.36	15.32	16.50
15	QPSK	36	0	15.34	15.52	15.28	16.50
15	QPSK	36	20	15.43	15.43	15.33	16.50
15	QPSK	36	39	15.38	15.48	15.32	16.50
15	QPSK	75	0	15.44	15.43	15.24	16.50
15	16QAM	1	0	15.41	15.33	15.31	16.50
15	16QAM	1	37	15.44	15.54	15.24	16.50
15	16QAM	1	74	15.32	15.36	15.26	16.50
15	16QAM	36	0	15.43	15.49	15.37	16.50
15	16QAM	36	20	15.26	15.45	15.21	16.50
15	16QAM	36	39	15.32	15.38	15.40	16.50
15	16QAM	75	0	15.41	15.29	15.32	16.50
15	64QAM	1	0	15.36	15.56	15.37	16.50
15	64QAM	1	37	15.44	15.45	15.18	16.50
15	64QAM	1	74	15.28	15.37	15.20	16.50
15	64QAM	36	0	15.43	15.38	15.33	16.50
15	64QAM	36	20	15.28	15.55	15.29	16.50
15	64QAM	36	39	15.42	15.38	15.28	16.50
15	64QAM	75	0	15.39	15.44	15.36	16.50
15	256QAM	1	0	15.25	15.56	15.25	16.50
15	256QAM	1	37	15.35	15.56	15.29	16.50
15	256QAM	1	74	15.44	15.45	15.39	16.50
15	256QAM	36	0	15.26	15.45	15.13	16.50
15	256QAM	36	20	15.41	15.44	15.32	16.50
15	256QAM	36	39	15.35	15.42	15.43	16.50
15	256QAM	75	0	15.25	15.37	15.32	16.50
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	15.32	15.50	15.36	16.50
10	QPSK	1	25	15.34	15.50	15.15	16.50
10	QPSK	1	49	15.36	15.32	15.36	16.50
10	QPSK	25	0	15.42	15.51	15.30	16.50
10	QPSK	25	12	15.44	15.44	15.32	16.50
10	QPSK	25	25	15.34	15.46	15.30	16.50
10	QPSK	50	0	15.40	15.48	15.20	16.50
10	16QAM	1	0	15.39	15.36	15.30	16.50
10	16QAM	1	25	15.44	15.49	15.23	16.50
10	16QAM	1	49	15.38	15.39	15.34	16.50
10	16QAM	25	0	15.39	15.36	15.33	16.50
10	16QAM	25	12	15.35	15.48	15.28	16.50
10	16QAM	25	25	15.30	15.37	15.37	16.50
10	16QAM	50	0	15.42	15.30	15.28	16.50
10	64QAM	1	0	15.43	15.52	15.41	16.50
10	64QAM	1	25	15.44	15.42	15.18	16.50
10	64QAM	1	49	15.35	15.42	15.29	16.50
10	64QAM	25	0	15.44	15.47	15.35	16.50
10	64QAM	25	12	15.25	15.57	15.40	16.50
10	64QAM	25	25	15.44	15.41	15.25	16.50
10	64QAM	50	0	15.30	15.30	15.35	16.50
10	256QAM	1	0	15.31	15.57	15.20	16.50
10	256QAM	1	25	15.37	15.55	15.32	16.50
10	256QAM	1	49	15.44	15.41	15.37	16.50
10	256QAM	25	0	15.30	15.42	15.22	16.50
10	256QAM	25	12	15.30	15.41	15.31	16.50
10	256QAM	25	25	15.28	15.34	15.33	16.50
10	256QAM	50	0	15.27	15.47	15.32	16.50
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	15.36	15.49	15.44	16.50
5	QPSK	1	12	15.31	15.54	15.25	16.50
5	QPSK	1	24	15.31	15.35	15.29	16.50
5	QPSK	12	0	15.35	15.51	15.30	16.50
5	QPSK	12	7	15.44	15.42	15.36	16.50
5	QPSK	12	13	15.35	15.42	15.21	16.50
5	QPSK	25	0	15.44	15.52	15.17	16.50
5	16QAM	1	0	15.38	15.33	15.31	16.50



5	16QAM	1	12	15.42	15.55	15.18	16.50
5	16QAM	1	24	15.38	15.36	15.37	16.50
5	16QAM	12	0	15.42	15.44	15.25	16.50
5	16QAM	12	7	15.34	15.53	15.19	16.50
5	16QAM	12	13	15.31	15.38	15.41	16.50
5	16QAM	25	0	15.44	15.32	15.31	16.50
5	64QAM	1	0	15.42	15.51	15.39	16.50
5	64QAM	1	12	15.43	15.53	15.27	16.50
5	64QAM	1	24	15.32	15.36	15.27	16.50
5	64QAM	12	0	15.42	15.37	15.21	16.50
5	64QAM	12	7	15.29	15.54	15.36	16.50
5	64QAM	12	13	15.44	15.30	15.23	16.50
5	64QAM	25	0	15.39	15.35	15.31	16.50
5	256QAM	1	0	15.27	15.58	15.18	16.50
5	256QAM	1	12	15.41	15.57	15.29	16.50
5	256QAM	1	24	15.43	15.42	15.42	16.50
5	256QAM	12	0	15.28	15.39	15.25	16.50
5	256QAM	12	7	15.30	15.48	15.30	16.50
5	256QAM	12	13	15.34	15.37	15.39	16.50
5	256QAM	25	0	15.37	15.46	15.31	16.50

【LTE Band 7_Ant 1_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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.38	23.52	23.50	24.00
20	QPSK	1	49	23.24	23.42	23.33	24.00
20	QPSK	1	99	22.94	23.23	23.13	24.00
20	QPSK	50	0	22.30	22.50	22.40	23.00
20	QPSK	50	24	22.34	22.50	22.44	23.00
20	QPSK	50	50	22.25	22.43	22.32	23.00
20	QPSK	100	0	22.34	22.54	22.40	23.00
20	16QAM	1	0	22.34	22.49	22.46	23.00
20	16QAM	1	49	22.35	22.54	22.38	23.00
20	16QAM	1	99	22.08	22.31	22.28	23.00
20	16QAM	50	0	21.24	21.48	21.44	22.00
20	16QAM	50	24	21.35	21.53	21.46	22.00
20	16QAM	50	50	21.28	21.49	21.42	22.00
20	16QAM	100	0	21.29	21.48	21.39	22.00
20	64QAM	1	0	21.41	21.59	21.54	22.00
20	64QAM	1	49	21.37	21.63	21.59	22.00
20	64QAM	1	99	21.29	21.55	21.42	22.00
20	64QAM	50	0	20.26	20.40	20.24	21.00
20	64QAM	50	24	20.27	20.53	20.39	21.00
20	64QAM	50	50	20.29	20.47	20.30	21.00
20	64QAM	100	0	20.31	20.54	20.42	21.00
20	256QAM	1	0	18.30	18.53	18.46	19.00
20	256QAM	1	49	18.36	18.51	18.48	19.00
20	256QAM	1	99	18.39	18.52	18.40	19.00
20	256QAM	50	0	18.43	18.57	18.43	19.00
20	256QAM	50	24	18.36	18.55	18.46	19.00
20	256QAM	50	50	18.33	18.55	18.44	19.00
20	256QAM	100	0	18.37	18.57	18.53	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.26	23.47	23.39	24.00
15	QPSK	1	37	23.20	23.31	23.29	24.00
15	QPSK	1	74	22.80	23.21	23.04	24.00
15	QPSK	36	0	22.15	22.40	22.37	23.00
15	QPSK	36	20	22.29	22.41	22.39	23.00
15	QPSK	36	39	22.14	22.40	22.23	23.00
15	QPSK	75	0	22.22	22.51	22.37	23.00
15	16QAM	1	0	22.33	22.44	22.36	23.00
15	16QAM	1	37	22.33	22.46	22.26	23.00
15	16QAM	1	74	22.00	22.29	22.18	23.00
15	16QAM	36	0	21.15	21.39	21.35	22.00
15	16QAM	36	20	21.29	21.51	21.37	22.00
15	16QAM	36	39	21.19	21.44	21.28	22.00
15	16QAM	75	0	21.24	21.47	21.27	22.00
15	64QAM	1	0	21.29	21.52	21.47	22.00
15	64QAM	1	37	21.29	21.51	21.53	22.00



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15	64QAM	1	74	21.20	21.47	21.31	22.00
15	64QAM	36	0	20.22	20.34	20.19	21.00
15	64QAM	36	20	20.26	20.40	20.33	21.00
15	64QAM	36	39	20.16	20.34	20.18	21.00
15	64QAM	75	0	20.19	20.47	20.32	21.00
15	256QAM	1	0	18.18	18.44	18.41	19.00
15	256QAM	1	37	18.21	18.40	18.38	19.00
15	256QAM	1	74	18.36	18.51	18.37	19.00
15	256QAM	36	0	18.34	18.49	18.37	19.00
15	256QAM	36	20	18.25	18.40	18.33	19.00
15	256QAM	36	39	18.22	18.51	18.29	19.00
15	256QAM	75	0	18.34	18.45	18.44	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.32	23.40	23.37	24.00
10	QPSK	1	25	23.15	23.38	23.26	24.00
10	QPSK	1	49	22.87	23.17	22.99	24.00
10	QPSK	25	0	22.28	22.44	22.26	23.00
10	QPSK	25	12	22.25	22.44	22.42	23.00
10	QPSK	25	25	22.11	22.30	22.26	23.00
10	QPSK	50	0	22.25	22.48	22.38	23.00
10	16QAM	1	0	22.29	22.37	22.36	23.00
10	16QAM	1	25	22.31	22.50	22.25	23.00
10	16QAM	1	49	21.96	22.21	22.18	23.00
10	16QAM	25	0	21.15	21.46	21.42	22.00
10	16QAM	25	12	21.21	21.42	21.35	22.00
10	16QAM	25	25	21.23	21.44	21.29	22.00
10	16QAM	50	0	21.28	21.39	21.31	22.00
10	64QAM	1	0	21.36	21.48	21.49	22.00
10	64QAM	1	25	21.35	21.61	21.52	22.00
10	64QAM	1	49	21.16	21.44	21.34	22.00
10	64QAM	25	0	20.21	20.37	20.22	21.00
10	64QAM	25	12	20.23	20.52	20.32	21.00
10	64QAM	25	25	20.21	20.33	20.26	21.00
10	64QAM	50	0	20.28	20.40	20.34	21.00
10	256QAM	1	0	18.27	18.48	18.37	19.00
10	256QAM	1	25	18.29	18.46	18.39	19.00
10	256QAM	1	49	18.27	18.50	18.29	19.00
10	256QAM	25	0	18.30	18.52	18.29	19.00
10	256QAM	25	12	18.22	18.47	18.38	19.00
10	256QAM	25	25	18.19	18.47	18.38	19.00
10	256QAM	50	0	18.34	18.51	18.46	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.25	23.37	23.48	24.00
5	QPSK	1	12	23.13	23.34	23.21	24.00
5	QPSK	1	24	22.93	23.18	22.99	24.00
5	QPSK	12	0	22.24	22.36	22.30	23.00
5	QPSK	12	7	22.22	22.44	22.39	23.00
5	QPSK	12	13	22.10	22.41	22.26	23.00
5	QPSK	25	0	22.25	22.44	22.29	23.00
5	16QAM	1	0	22.31	22.35	22.41	23.00
5	16QAM	1	12	22.27	22.43	22.23	23.00
5	16QAM	1	24	21.97	22.18	22.16	23.00
5	16QAM	12	0	21.11	21.39	21.32	22.00
5	16QAM	12	7	21.22	21.40	21.38	22.00
5	16QAM	12	13	21.25	21.41	21.38	22.00
5	16QAM	25	0	21.26	21.43	21.31	22.00
5	64QAM	1	0	21.39	21.56	21.39	22.00
5	64QAM	1	12	21.24	21.52	21.45	22.00
5	64QAM	1	24	21.23	21.46	21.36	22.00
5	64QAM	12	0	20.23	20.26	20.16	21.00
5	64QAM	12	7	20.21	20.47	20.34	21.00
5	64QAM	12	13	20.22	20.43	20.19	21.00
5	64QAM	25	0	20.29	20.47	20.29	21.00
5	256QAM	1	0	18.17	18.51	18.33	19.00
5	256QAM	1	12	18.26	18.43	18.41	19.00
5	256QAM	1	24	18.26	18.42	18.37	19.00
5	256QAM	12	0	18.32	18.49	18.28	19.00
5	256QAM	12	7	18.24	18.43	18.44	19.00
5	256QAM	12	13	18.25	18.49	18.38	19.00
5	256QAM	25	0	18.23	18.42	18.51	19.00



【LTE Band 7_Ant 1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.38	23.52	23.50	24.00
20	QPSK	1	49	23.24	23.42	23.33	24.00
20	QPSK	1	99	22.94	23.23	23.13	24.00
20	QPSK	50	0	22.30	22.50	22.40	23.00
20	QPSK	50	24	22.34	22.50	22.44	23.00
20	QPSK	50	50	22.25	22.43	22.32	23.00
20	QPSK	100	0	22.34	22.54	22.40	23.00
20	16QAM	1	0	22.34	22.49	22.46	23.00
20	16QAM	1	49	22.35	22.54	22.38	23.00
20	16QAM	1	99	22.08	22.31	22.28	23.00
20	16QAM	50	0	21.24	21.48	21.44	22.00
20	16QAM	50	24	21.35	21.53	21.46	22.00
20	16QAM	50	50	21.28	21.49	21.42	22.00
20	16QAM	100	0	21.29	21.48	21.39	22.00
20	64QAM	1	0	21.41	21.59	21.54	22.00
20	64QAM	1	49	21.37	21.63	21.59	22.00
20	64QAM	1	99	21.29	21.55	21.42	22.00
20	64QAM	50	0	20.26	20.40	20.24	21.00
20	64QAM	50	24	20.27	20.53	20.39	21.00
20	64QAM	50	50	20.29	20.47	20.30	21.00
20	64QAM	100	0	20.31	20.54	20.42	21.00
20	256QAM	1	0	18.30	18.53	18.46	19.00
20	256QAM	1	49	18.36	18.51	18.48	19.00
20	256QAM	1	99	18.39	18.52	18.40	19.00
20	256QAM	50	0	18.43	18.57	18.43	19.00
20	256QAM	50	24	18.36	18.55	18.46	19.00
20	256QAM	50	50	18.33	18.55	18.44	19.00
20	256QAM	100	0	18.37	18.57	18.53	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.26	23.47	23.39	24.00
15	QPSK	1	37	23.20	23.31	23.29	24.00
15	QPSK	1	74	22.80	23.21	23.04	24.00
15	QPSK	36	0	22.15	22.40	22.37	23.00
15	QPSK	36	20	22.29	22.41	22.39	23.00
15	QPSK	36	39	22.14	22.40	22.23	23.00
15	QPSK	75	0	22.22	22.51	22.37	23.00
15	16QAM	1	0	22.33	22.44	22.36	23.00
15	16QAM	1	37	22.33	22.46	22.26	23.00
15	16QAM	1	74	22.00	22.29	22.18	23.00
15	16QAM	36	0	21.15	21.39	21.35	22.00
15	16QAM	36	20	21.29	21.51	21.37	22.00
15	16QAM	36	39	21.19	21.44	21.28	22.00
15	16QAM	75	0	21.24	21.47	21.27	22.00
15	64QAM	1	0	21.29	21.52	21.47	22.00
15	64QAM	1	37	21.29	21.51	21.53	22.00
15	64QAM	1	74	21.20	21.47	21.31	22.00
15	64QAM	36	0	20.22	20.34	20.19	21.00
15	64QAM	36	20	20.26	20.40	20.33	21.00
15	64QAM	36	39	20.16	20.34	20.18	21.00
15	64QAM	75	0	20.19	20.47	20.32	21.00
15	256QAM	1	0	18.18	18.44	18.41	19.00
15	256QAM	1	37	18.21	18.40	18.38	19.00
15	256QAM	1	74	18.36	18.51	18.37	19.00
15	256QAM	36	0	18.34	18.49	18.37	19.00
15	256QAM	36	20	18.25	18.40	18.33	19.00
15	256QAM	36	39	18.22	18.51	18.29	19.00
15	256QAM	75	0	18.34	18.45	18.44	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.32	23.40	23.37	24.00
10	QPSK	1	25	23.15	23.38	23.26	24.00
10	QPSK	1	49	22.87	23.17	22.99	24.00
10	QPSK	25	0	22.28	22.44	22.26	23.00
10	QPSK	25	12	22.25	22.44	22.42	23.00
10	QPSK	25	25	22.11	22.30	22.26	23.00
10	QPSK	50	0	22.25	22.48	22.38	23.00
10	16QAM	1	0	22.29	22.37	22.36	23.00
10	16QAM	1	25	22.31	22.50	22.25	23.00
10	16QAM	1	49	21.96	22.21	22.18	23.00
10	16QAM	25	0	21.15	21.46	21.42	22.00
10	16QAM	25	12	21.21	21.42	21.35	22.00



10	16QAM	25	25	21.23	21.44	21.29	22.00
10	16QAM	50	0	21.28	21.39	21.31	22.00
10	64QAM	1	0	21.36	21.48	21.49	22.00
10	64QAM	1	25	21.35	21.61	21.52	22.00
10	64QAM	1	49	21.16	21.44	21.34	22.00
10	64QAM	25	0	20.21	20.37	20.22	21.00
10	64QAM	25	12	20.23	20.52	20.32	21.00
10	64QAM	25	25	20.21	20.33	20.26	21.00
10	64QAM	50	0	20.28	20.40	20.34	21.00
10	256QAM	1	0	18.27	18.48	18.37	19.00
10	256QAM	1	25	18.29	18.46	18.39	19.00
10	256QAM	1	49	18.27	18.50	18.29	19.00
10	256QAM	25	0	18.30	18.52	18.29	19.00
10	256QAM	25	12	18.22	18.47	18.38	19.00
10	256QAM	25	25	18.19	18.47	18.38	19.00
10	256QAM	50	0	18.34	18.51	18.46	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.25	23.37	23.48	24.00
5	QPSK	1	12	23.13	23.34	23.21	24.00
5	QPSK	1	24	22.93	23.18	22.99	24.00
5	QPSK	12	0	22.24	22.36	22.30	23.00
5	QPSK	12	7	22.22	22.44	22.39	23.00
5	QPSK	12	13	22.10	22.41	22.26	23.00
5	QPSK	25	0	22.25	22.44	22.29	23.00
5	16QAM	1	0	22.31	22.35	22.41	23.00
5	16QAM	1	12	22.27	22.43	22.23	23.00
5	16QAM	1	24	21.97	22.18	22.16	23.00
5	16QAM	12	0	21.11	21.39	21.32	22.00
5	16QAM	12	7	21.22	21.40	21.38	22.00
5	16QAM	12	13	21.25	21.41	21.38	22.00
5	16QAM	25	0	21.26	21.43	21.31	22.00
5	64QAM	1	0	21.39	21.56	21.39	22.00
5	64QAM	1	12	21.24	21.52	21.45	22.00
5	64QAM	1	24	21.23	21.46	21.36	22.00
5	64QAM	12	0	20.23	20.26	20.16	21.00
5	64QAM	12	7	20.21	20.47	20.34	21.00
5	64QAM	12	13	20.22	20.43	20.19	21.00
5	64QAM	25	0	20.29	20.47	20.29	21.00
5	256QAM	1	0	18.17	18.51	18.33	19.00
5	256QAM	1	12	18.26	18.43	18.41	19.00
5	256QAM	1	24	18.26	18.42	18.37	19.00
5	256QAM	12	0	18.32	18.49	18.28	19.00
5	256QAM	12	7	18.24	18.43	18.44	19.00
5	256QAM	12	13	18.25	18.49	18.38	19.00
5	256QAM	25	0	18.23	18.42	18.51	19.00

【LTE Band 7_Ant 1_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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	18.82	19.13	19.00	19.50
20	QPSK	1	49	18.82	19.13	18.99	19.50
20	QPSK	1	99	18.85	19.12	19.06	19.50
20	QPSK	50	0	18.99	19.11	18.89	19.50
20	QPSK	50	24	18.99	19.03	19.01	19.50
20	QPSK	50	50	18.94	18.90	19.05	19.50
20	QPSK	100	0	18.83	19.13	18.95	19.50
20	16QAM	1	0	18.85	19.06	18.96	19.50
20	16QAM	1	49	18.89	19.10	19.02	19.50
20	16QAM	1	99	18.94	19.12	18.88	19.50
20	16QAM	50	0	18.81	19.07	19.03	19.50
20	16QAM	50	24	18.95	19.03	19.05	19.50
20	16QAM	50	50	18.76	19.11	19.10	19.50
20	16QAM	100	0	18.77	19.07	18.92	19.50
20	64QAM	1	0	18.80	18.96	19.04	19.50
20	64QAM	1	49	18.85	18.97	18.93	19.50
20	64QAM	1	99	18.80	18.95	18.92	19.50
20	64QAM	50	0	18.82	19.10	19.01	19.50
20	64QAM	50	24	18.89	18.98	18.95	19.50
20	64QAM	50	50	18.80	18.91	18.96	19.50



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20	64QAM	100	0	18.86	19.06	18.95	19.50
20	256QAM	1	0	18.30	18.53	18.46	19.00
20	256QAM	1	49	18.36	18.51	18.48	19.00
20	256QAM	1	99	18.39	18.52	18.40	19.00
20	256QAM	50	0	18.43	18.57	18.43	19.00
20	256QAM	50	24	18.36	18.55	18.46	19.00
20	256QAM	50	50	18.33	18.55	18.44	19.00
20	256QAM	100	0	18.37	18.57	18.53	19.00
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	18.81	19.04	18.94	19.50
15	QPSK	1	37	18.79	19.07	18.97	19.50
15	QPSK	1	74	18.72	19.05	19.00	19.50
15	QPSK	36	0	18.82	19.00	18.79	19.50
15	QPSK	36	20	18.82	19.01	19.00	19.50
15	QPSK	36	39	18.82	18.80	18.98	19.50
15	QPSK	75	0	18.75	19.00	18.87	19.50
15	16QAM	1	0	18.76	18.92	18.92	19.50
15	16QAM	1	37	18.82	18.99	18.89	19.50
15	16QAM	1	74	18.81	19.09	18.80	19.50
15	16QAM	36	0	18.69	18.93	18.97	19.50
15	16QAM	36	20	18.82	18.95	18.99	19.50
15	16QAM	36	39	18.62	18.97	19.00	19.50
15	16QAM	75	0	18.64	18.99	18.80	19.50
15	64QAM	1	0	18.72	18.87	18.97	19.50
15	64QAM	1	37	18.81	18.87	18.81	19.50
15	64QAM	1	74	18.69	18.85	18.83	19.50
15	64QAM	36	0	18.76	19.08	18.94	19.50
15	64QAM	36	20	18.77	18.93	18.85	19.50
15	64QAM	36	39	18.66	18.78	18.93	19.50
15	64QAM	75	0	18.82	18.98	18.94	19.50
15	256QAM	1	0	18.17	18.47	18.38	19.00
15	256QAM	1	37	18.32	18.40	18.36	19.00
15	256QAM	1	74	18.26	18.41	18.32	19.00
15	256QAM	36	0	18.28	18.51	18.31	19.00
15	256QAM	36	20	18.31	18.51	18.32	19.00
15	256QAM	36	39	18.32	18.44	18.33	19.00
15	256QAM	75	0	18.35	18.52	18.43	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	18.81	19.08	18.97	19.50
10	QPSK	1	25	18.72	19.06	18.97	19.50
10	QPSK	1	49	18.75	19.00	19.00	19.50
10	QPSK	25	0	18.82	19.09	18.77	19.50
10	QPSK	25	12	18.81	19.00	18.97	19.50
10	QPSK	25	25	18.82	18.81	19.00	19.50
10	QPSK	50	0	18.79	18.99	18.88	19.50
10	16QAM	1	0	18.72	18.92	18.84	19.50
10	16QAM	1	25	18.81	18.99	18.89	19.50
10	16QAM	1	49	18.81	19.02	18.77	19.50
10	16QAM	25	0	18.68	19.03	18.96	19.50
10	16QAM	25	12	18.82	18.99	18.99	19.50
10	16QAM	25	25	18.68	19.09	19.00	19.50
10	16QAM	50	0	18.69	19.01	18.88	19.50
10	64QAM	1	0	18.66	18.83	18.92	19.50
10	64QAM	1	25	18.76	18.87	18.92	19.50
10	64QAM	1	49	18.73	18.81	18.88	19.50
10	64QAM	25	0	18.72	18.96	18.88	19.50
10	64QAM	25	12	18.74	18.95	18.80	19.50
10	64QAM	25	25	18.72	18.82	18.88	19.50
10	64QAM	50	0	18.82	18.94	18.90	19.50
10	256QAM	1	0	18.18	18.38	18.39	19.00
10	256QAM	1	25	18.23	18.43	18.34	19.00
10	256QAM	1	49	18.33	18.51	18.28	19.00
10	256QAM	25	0	18.35	18.49	18.42	19.00
10	256QAM	25	12	18.34	18.43	18.41	19.00
10	256QAM	25	25	18.19	18.46	18.40	19.00
10	256QAM	50	0	18.30	18.55	18.47	19.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	18.76	19.04	18.87	19.50
5	QPSK	1	12	18.71	19.05	18.90	19.50
5	QPSK	1	24	18.81	18.99	18.99	19.50
5	QPSK	12	0	18.81	19.08	18.79	19.50
5	QPSK	12	7	18.81	18.92	18.91	19.50
5	QPSK	12	13	18.82	18.80	19.00	19.50
5	QPSK	25	0	18.75	19.03	18.85	19.50
5	16QAM	1	0	18.71	19.01	18.90	19.50



5	16QAM	1	12	18.80	19.03	18.94	19.50
5	16QAM	1	24	18.81	19.06	18.83	19.50
5	16QAM	12	0	18.72	18.98	18.88	19.50
5	16QAM	12	7	18.81	18.94	19.00	19.50
5	16QAM	12	13	18.68	19.05	18.98	19.50
5	16QAM	25	0	18.63	18.97	18.82	19.50
5	64QAM	1	0	18.71	18.88	19.00	19.50
5	64QAM	1	12	18.79	18.90	18.83	19.50
5	64QAM	1	24	18.72	18.93	18.82	19.50
5	64QAM	12	0	18.75	19.08	18.94	19.50
5	64QAM	12	7	18.82	18.86	18.87	19.50
5	64QAM	12	13	18.68	18.85	18.90	19.50
5	64QAM	25	0	18.76	19.04	18.94	19.50
5	256QAM	1	0	18.29	18.39	18.39	19.00
5	256QAM	1	12	18.31	18.41	18.41	19.00
5	256QAM	1	24	18.24	18.42	18.25	19.00
5	256QAM	12	0	18.34	18.44	18.31	19.00
5	256QAM	12	7	18.22	18.49	18.37	19.00
5	256QAM	12	13	18.25	18.43	18.40	19.00
5	256QAM	25	0	18.31	18.53	18.50	19.00

【LTE Band 7_Ant 1_Hotspot 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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	18.82	19.13	19.00	19.50
20	QPSK	1	49	18.82	19.13	18.99	19.50
20	QPSK	1	99	18.85	19.12	19.06	19.50
20	QPSK	50	0	18.99	19.11	18.89	19.50
20	QPSK	50	24	18.99	19.03	19.01	19.50
20	QPSK	50	50	18.94	18.90	19.05	19.50
20	QPSK	100	0	18.83	19.13	18.95	19.50
20	16QAM	1	0	18.85	19.06	18.96	19.50
20	16QAM	1	49	18.89	19.10	19.02	19.50
20	16QAM	1	99	18.94	19.12	18.88	19.50
20	16QAM	50	0	18.81	19.07	19.03	19.50
20	16QAM	50	24	18.95	19.03	19.05	19.50
20	16QAM	50	50	18.76	19.11	19.10	19.50
20	16QAM	100	0	18.77	19.07	18.92	19.50
20	64QAM	1	0	18.80	18.96	19.04	19.50
20	64QAM	1	49	18.85	18.97	18.93	19.50
20	64QAM	1	99	18.80	18.95	18.92	19.50
20	64QAM	50	0	18.82	19.10	19.01	19.50
20	64QAM	50	24	18.89	18.98	18.95	19.50
20	64QAM	50	50	18.80	18.91	18.96	19.50
20	64QAM	100	0	18.86	19.06	18.95	19.50
20	256QAM	1	0	18.30	18.53	18.46	19.00
20	256QAM	1	49	18.36	18.51	18.48	19.00
20	256QAM	1	99	18.39	18.52	18.40	19.00
20	256QAM	50	0	18.43	18.57	18.43	19.00
20	256QAM	50	24	18.36	18.55	18.46	19.00
20	256QAM	50	50	18.33	18.55	18.44	19.00
20	256QAM	100	0	18.37	18.57	18.53	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	18.81	19.04	18.94	19.50
15	QPSK	1	37	18.79	19.07	18.97	19.50
15	QPSK	1	74	18.72	19.05	19.00	19.50
15	QPSK	36	0	18.82	19.00	18.79	19.50
15	QPSK	36	20	18.82	19.01	19.00	19.50
15	QPSK	36	39	18.82	18.80	18.98	19.50
15	QPSK	75	0	18.75	19.00	18.87	19.50
15	16QAM	1	0	18.76	18.92	18.92	19.50
15	16QAM	1	37	18.82	18.99	18.89	19.50
15	16QAM	1	74	18.81	19.09	18.80	19.50
15	16QAM	36	0	18.69	18.93	18.97	19.50
15	16QAM	36	20	18.82	18.95	18.99	19.50
15	16QAM	36	39	18.62	18.97	19.00	19.50
15	16QAM	75	0	18.64	18.99	18.80	19.50
15	64QAM	1	0	18.72	18.87	18.97	19.50
15	64QAM	1	37	18.81	18.87	18.81	19.50



15	64QAM	1	74	18.69	18.85	18.83	19.50
15	64QAM	36	0	18.76	19.08	18.94	19.50
15	64QAM	36	20	18.77	18.93	18.85	19.50
15	64QAM	36	39	18.66	18.78	18.93	19.50
15	64QAM	75	0	18.82	18.98	18.94	19.50
15	256QAM	1	0	18.17	18.47	18.38	19.00
15	256QAM	1	37	18.32	18.40	18.36	19.00
15	256QAM	1	74	18.26	18.41	18.32	19.00
15	256QAM	36	0	18.28	18.51	18.31	19.00
15	256QAM	36	20	18.31	18.51	18.32	19.00
15	256QAM	36	39	18.32	18.44	18.33	19.00
15	256QAM	75	0	18.35	18.52	18.43	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	18.81	19.08	18.97	19.50
10	QPSK	1	25	18.72	19.06	18.97	19.50
10	QPSK	1	49	18.75	19.00	19.00	19.50
10	QPSK	25	0	18.82	19.09	18.77	19.50
10	QPSK	25	12	18.81	19.00	18.97	19.50
10	QPSK	25	25	18.82	18.81	19.00	19.50
10	QPSK	50	0	18.79	18.99	18.88	19.50
10	16QAM	1	0	18.72	18.92	18.84	19.50
10	16QAM	1	25	18.81	18.99	18.89	19.50
10	16QAM	1	49	18.81	19.02	18.77	19.50
10	16QAM	25	0	18.68	19.03	18.96	19.50
10	16QAM	25	12	18.82	18.99	18.99	19.50
10	16QAM	25	25	18.68	19.09	19.00	19.50
10	16QAM	50	0	18.69	19.01	18.88	19.50
10	64QAM	1	0	18.66	18.83	18.92	19.50
10	64QAM	1	25	18.76	18.87	18.92	19.50
10	64QAM	1	49	18.73	18.81	18.88	19.50
10	64QAM	25	0	18.72	18.96	18.88	19.50
10	64QAM	25	12	18.74	18.95	18.80	19.50
10	64QAM	25	25	18.72	18.82	18.88	19.50
10	64QAM	50	0	18.82	18.94	18.90	19.50
10	256QAM	1	0	18.18	18.38	18.39	19.00
10	256QAM	1	25	18.23	18.43	18.34	19.00
10	256QAM	1	49	18.33	18.51	18.28	19.00
10	256QAM	25	0	18.35	18.49	18.42	19.00
10	256QAM	25	12	18.34	18.43	18.41	19.00
10	256QAM	25	25	18.19	18.46	18.40	19.00
10	256QAM	50	0	18.30	18.55	18.47	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	18.76	19.04	18.87	19.50
5	QPSK	1	12	18.71	19.05	18.90	19.50
5	QPSK	1	24	18.81	18.99	18.99	19.50
5	QPSK	12	0	18.81	19.08	18.79	19.50
5	QPSK	12	7	18.81	18.92	18.91	19.50
5	QPSK	12	13	18.82	18.80	19.00	19.50
5	QPSK	25	0	18.75	19.03	18.85	19.50
5	16QAM	1	0	18.71	19.01	18.90	19.50
5	16QAM	1	12	18.80	19.03	18.94	19.50
5	16QAM	1	24	18.81	19.06	18.83	19.50
5	16QAM	12	0	18.72	18.98	18.88	19.50
5	16QAM	12	7	18.81	18.94	19.00	19.50
5	16QAM	12	13	18.68	19.05	18.98	19.50
5	16QAM	25	0	18.63	18.97	18.82	19.50
5	64QAM	1	0	18.71	18.88	19.00	19.50
5	64QAM	1	12	18.79	18.90	18.83	19.50
5	64QAM	1	24	18.72	18.93	18.82	19.50
5	64QAM	12	0	18.75	19.08	18.94	19.50
5	64QAM	12	7	18.82	18.86	18.87	19.50
5	64QAM	12	13	18.68	18.85	18.90	19.50
5	64QAM	25	0	18.76	19.04	18.94	19.50
5	256QAM	1	0	18.29	18.39	18.39	19.00
5	256QAM	1	12	18.31	18.41	18.41	19.00
5	256QAM	1	24	18.24	18.42	18.25	19.00
5	256QAM	12	0	18.34	18.44	18.31	19.00
5	256QAM	12	7	18.22	18.49	18.37	19.00
5	256QAM	12	13	18.25	18.43	18.40	19.00
5	256QAM	25	0	18.31	18.53	18.50	19.00



【LTE Band 7_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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.52	22.58	22.32	24.00
20	QPSK	1	49	22.24	22.37	22.10	24.00
20	QPSK	1	99	22.13	22.32	22.01	24.00
20	QPSK	50	0	21.36	21.45	21.16	23.00
20	QPSK	50	24	21.24	21.44	21.12	23.00
20	QPSK	50	50	21.27	21.39	21.01	23.00
20	QPSK	100	0	21.30	21.41	21.02	23.00
20	16QAM	1	0	21.67	21.78	21.41	23.00
20	16QAM	1	49	21.44	21.63	21.28	23.00
20	16QAM	1	99	21.41	21.54	21.20	23.00
20	16QAM	50	0	20.31	20.40	20.15	22.00
20	16QAM	50	24	20.29	20.41	20.10	22.00
20	16QAM	50	50	20.11	20.30	20.00	22.00
20	16QAM	100	0	20.20	20.39	20.07	22.00
20	64QAM	1	0	20.37	20.55	20.22	22.00
20	64QAM	1	49	20.30	20.45	20.16	22.00
20	64QAM	1	99	20.29	20.47	20.15	22.00
20	64QAM	50	0	19.14	19.30	19.01	21.00
20	64QAM	50	24	19.28	19.43	19.07	21.00
20	64QAM	50	50	19.37	19.43	19.16	21.00
20	64QAM	100	0	19.31	19.44	19.17	21.00
20	256QAM	1	0	17.39	17.51	17.18	19.00
20	256QAM	1	49	17.26	17.33	17.00	19.00
20	256QAM	1	99	17.23	17.42	17.19	19.00
20	256QAM	50	0	17.19	17.35	17.09	19.00
20	256QAM	50	24	17.28	17.46	17.11	19.00
20	256QAM	50	50	17.30	17.38	17.17	19.00
20	256QAM	100	0	17.36	17.46	17.17	19.00
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.41	22.49	22.21	24.00
15	QPSK	1	37	22.11	22.26	22.08	24.00
15	QPSK	1	74	22.00	22.22	22.00	24.00
15	QPSK	36	0	21.32	21.38	21.11	23.00
15	QPSK	36	20	21.15	21.31	21.01	23.00
15	QPSK	36	39	21.16	21.26	21.00	23.00
15	QPSK	75	0	21.20	21.27	21.00	23.00
15	16QAM	1	0	21.57	21.65	21.36	23.00
15	16QAM	1	37	21.36	21.57	21.15	23.00
15	16QAM	1	74	21.32	21.47	21.16	23.00
15	16QAM	36	0	20.18	20.26	20.10	22.00
15	16QAM	36	20	20.20	20.28	20.00	22.00
15	16QAM	36	39	20.00	20.17	20.00	22.00
15	16QAM	75	0	20.18	20.37	20.04	22.00
15	64QAM	1	0	20.25	20.53	20.16	22.00
15	64QAM	1	37	20.19	20.32	20.03	22.00
15	64QAM	1	74	20.25	20.37	20.09	22.00
15	64QAM	36	0	19.08	19.22	19.00	21.00
15	64QAM	36	20	19.16	19.33	19.00	21.00
15	64QAM	36	39	19.28	19.31	19.06	21.00
15	64QAM	75	0	19.29	19.39	19.06	21.00
15	256QAM	1	0	17.30	17.45	17.06	19.00
15	256QAM	1	37	17.18	17.19	17.00	19.00
15	256QAM	1	74	17.12	17.35	17.11	19.00
15	256QAM	36	0	17.13	17.31	17.00	19.00
15	256QAM	36	20	17.21	17.40	17.05	19.00
15	256QAM	36	39	17.17	17.32	17.05	19.00
15	256QAM	75	0	17.34	17.32	17.06	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.49	22.51	22.21	24.00
10	QPSK	1	25	22.21	22.30	22.00	24.00
10	QPSK	1	49	22.06	22.19	22.00	24.00
10	QPSK	25	0	21.24	21.39	21.08	23.00
10	QPSK	25	12	21.09	21.43	21.08	23.00
10	QPSK	25	25	21.21	21.28	21.00	23.00
10	QPSK	50	0	21.17	21.33	21.01	23.00
10	16QAM	1	0	21.61	21.75	21.36	23.00
10	16QAM	1	25	21.40	21.54	21.23	23.00
10	16QAM	1	49	21.33	21.39	21.05	23.00
10	16QAM	25	0	20.19	20.29	20.01	22.00
10	16QAM	25	12	20.24	20.28	20.05	22.00



10	16QAM	25	25	20.00	20.23	20.00	22.00
10	16QAM	50	0	20.05	20.34	20.01	22.00
10	64QAM	1	0	20.28	20.53	20.16	22.00
10	64QAM	1	25	20.21	20.43	20.14	22.00
10	64QAM	1	49	20.25	20.37	20.02	22.00
10	64QAM	25	0	19.04	19.18	19.00	21.00
10	64QAM	25	12	19.15	19.32	19.01	21.00
10	64QAM	25	25	19.24	19.33	19.04	21.00
10	64QAM	50	0	19.24	19.30	19.09	21.00
10	256QAM	1	0	17.30	17.43	17.06	19.00
10	256QAM	1	25	17.14	17.32	17.00	19.00
10	256QAM	1	49	17.19	17.40	17.04	19.00
10	256QAM	25	0	17.18	17.28	17.02	19.00
10	256QAM	25	12	17.13	17.31	17.01	19.00
10	256QAM	25	25	17.20	17.35	17.15	19.00
10	256QAM	50	0	17.22	17.33	17.04	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.51	22.45	22.26	24.00
5	QPSK	1	12	22.15	22.28	22.01	24.00
5	QPSK	1	24	22.03	22.26	22.00	24.00
5	QPSK	12	0	21.29	21.39	21.03	23.00
5	QPSK	12	7	21.14	21.40	21.01	23.00
5	QPSK	12	13	21.16	21.34	21.02	23.00
5	QPSK	25	0	21.21	21.39	21.00	23.00
5	16QAM	1	0	21.54	21.67	21.38	23.00
5	16QAM	1	12	21.33	21.55	21.25	23.00
5	16QAM	1	24	21.34	21.44	21.12	23.00
5	16QAM	12	0	20.19	20.35	20.06	22.00
5	16QAM	12	7	20.28	20.31	20.06	22.00
5	16QAM	12	13	20.00	20.28	20.01	22.00
5	16QAM	25	0	20.07	20.30	20.00	22.00
5	64QAM	1	0	20.26	20.48	20.13	22.00
5	64QAM	1	12	20.18	20.31	20.14	22.00
5	64QAM	1	24	20.23	20.35	20.11	22.00
5	64QAM	12	0	19.02	19.23	19.00	21.00
5	64QAM	12	7	19.16	19.36	19.00	21.00
5	64QAM	12	13	19.25	19.37	19.02	21.00
5	64QAM	25	0	19.23	19.42	19.03	21.00
5	256QAM	1	0	17.28	17.44	17.07	19.00
5	256QAM	1	12	17.14	17.28	17.01	19.00
5	256QAM	1	24	17.11	17.29	17.14	19.00
5	256QAM	12	0	17.10	17.33	17.06	19.00
5	256QAM	12	7	17.23	17.43	17.02	19.00
5	256QAM	12	13	17.24	17.26	17.13	19.00
5	256QAM	25	0	17.30	17.43	17.05	19.00

【LTE Band 7_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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.52	22.58	22.32	24.00
20	QPSK	1	49	22.24	22.37	22.10	24.00
20	QPSK	1	99	22.13	22.32	22.01	24.00
20	QPSK	50	0	21.36	21.45	21.16	23.00
20	QPSK	50	24	21.24	21.44	21.12	23.00
20	QPSK	50	50	21.27	21.39	21.01	23.00
20	QPSK	100	0	21.30	21.41	21.02	23.00
20	16QAM	1	0	21.67	21.78	21.41	23.00
20	16QAM	1	49	21.44	21.63	21.28	23.00
20	16QAM	1	99	21.41	21.54	21.20	23.00
20	16QAM	50	0	20.31	20.40	20.15	22.00
20	16QAM	50	24	20.29	20.41	20.10	22.00
20	16QAM	50	50	20.11	20.30	20.00	22.00
20	16QAM	100	0	20.20	20.39	20.07	22.00
20	64QAM	1	0	20.37	20.55	20.22	22.00
20	64QAM	1	49	20.30	20.45	20.16	22.00
20	64QAM	1	99	20.29	20.47	20.15	22.00
20	64QAM	50	0	19.14	19.30	19.01	21.00
20	64QAM	50	24	19.28	19.43	19.07	21.00
20	64QAM	50	50	19.37	19.43	19.16	21.00



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20	64QAM	100	0	19.31	19.44	19.17	21.00
20	256QAM	1	0	17.39	17.51	17.18	19.00
20	256QAM	1	49	17.26	17.33	17.00	19.00
20	256QAM	1	99	17.23	17.42	17.19	19.00
20	256QAM	50	0	17.19	17.35	17.09	19.00
20	256QAM	50	24	17.28	17.46	17.11	19.00
20	256QAM	50	50	17.30	17.38	17.17	19.00
20	256QAM	100	0	17.36	17.46	17.17	19.00
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	22.41	22.49	22.21	24.00
15	QPSK	1	37	22.11	22.26	22.08	24.00
15	QPSK	1	74	22.00	22.22	22.00	24.00
15	QPSK	36	0	21.32	21.38	21.11	23.00
15	QPSK	36	20	21.15	21.31	21.01	23.00
15	QPSK	36	39	21.16	21.26	21.00	23.00
15	QPSK	75	0	21.20	21.27	21.00	23.00
15	16QAM	1	0	21.57	21.65	21.36	23.00
15	16QAM	1	37	21.36	21.57	21.15	23.00
15	16QAM	1	74	21.32	21.47	21.16	23.00
15	16QAM	36	0	20.18	20.26	20.10	22.00
15	16QAM	36	20	20.20	20.28	20.00	22.00
15	16QAM	36	39	20.00	20.17	20.00	22.00
15	16QAM	75	0	20.18	20.37	20.04	22.00
15	64QAM	1	0	20.25	20.53	20.16	22.00
15	64QAM	1	37	20.19	20.32	20.03	22.00
15	64QAM	1	74	20.25	20.37	20.09	22.00
15	64QAM	36	0	19.08	19.22	19.00	21.00
15	64QAM	36	20	19.16	19.33	19.00	21.00
15	64QAM	36	39	19.28	19.31	19.06	21.00
15	64QAM	75	0	19.29	19.39	19.06	21.00
15	256QAM	1	0	17.30	17.45	17.06	19.00
15	256QAM	1	37	17.18	17.19	17.00	19.00
15	256QAM	1	74	17.12	17.35	17.11	19.00
15	256QAM	36	0	17.13	17.31	17.00	19.00
15	256QAM	36	20	17.21	17.40	17.05	19.00
15	256QAM	36	39	17.17	17.32	17.05	19.00
15	256QAM	75	0	17.34	17.32	17.06	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	22.49	22.51	22.21	24.00
10	QPSK	1	25	22.21	22.30	22.00	24.00
10	QPSK	1	49	22.06	22.19	22.00	24.00
10	QPSK	25	0	21.24	21.39	21.08	23.00
10	QPSK	25	12	21.09	21.43	21.08	23.00
10	QPSK	25	25	21.21	21.28	21.00	23.00
10	QPSK	50	0	21.17	21.33	21.01	23.00
10	16QAM	1	0	21.61	21.75	21.36	23.00
10	16QAM	1	25	21.40	21.54	21.23	23.00
10	16QAM	1	49	21.33	21.39	21.05	23.00
10	16QAM	25	0	20.19	20.29	20.01	22.00
10	16QAM	25	12	20.24	20.28	20.05	22.00
10	16QAM	25	25	20.00	20.23	20.00	22.00
10	16QAM	50	0	20.05	20.34	20.01	22.00
10	64QAM	1	0	20.28	20.53	20.16	22.00
10	64QAM	1	25	20.21	20.43	20.14	22.00
10	64QAM	1	49	20.25	20.37	20.02	22.00
10	64QAM	25	0	19.04	19.18	19.00	21.00
10	64QAM	25	12	19.15	19.32	19.01	21.00
10	64QAM	25	25	19.24	19.33	19.04	21.00
10	64QAM	50	0	19.24	19.30	19.09	21.00
10	256QAM	1	0	17.30	17.43	17.06	19.00
10	256QAM	1	25	17.14	17.32	17.00	19.00
10	256QAM	1	49	17.19	17.40	17.04	19.00
10	256QAM	25	0	17.18	17.28	17.02	19.00
10	256QAM	25	12	17.13	17.31	17.01	19.00
10	256QAM	25	25	17.20	17.35	17.15	19.00
10	256QAM	50	0	17.22	17.33	17.04	19.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	22.51	22.45	22.26	24.00
5	QPSK	1	12	22.15	22.28	22.01	24.00
5	QPSK	1	24	22.03	22.26	22.00	24.00
5	QPSK	12	0	21.29	21.39	21.03	23.00
5	QPSK	12	7	21.14	21.40	21.01	23.00
5	QPSK	12	13	21.16	21.34	21.02	23.00
5	QPSK	25	0	21.21	21.39	21.00	23.00
5	16QAM	1	0	21.54	21.67	21.38	23.00



5	16QAM	1	12	21.33	21.55	21.25	23.00
5	16QAM	1	24	21.34	21.44	21.12	23.00
5	16QAM	12	0	20.19	20.35	20.06	22.00
5	16QAM	12	7	20.28	20.31	20.06	22.00
5	16QAM	12	13	20.00	20.28	20.01	22.00
5	16QAM	25	0	20.07	20.30	20.00	22.00
5	64QAM	1	0	20.26	20.48	20.13	22.00
5	64QAM	1	12	20.18	20.31	20.14	22.00
5	64QAM	1	24	20.23	20.35	20.11	22.00
5	64QAM	12	0	19.02	19.23	19.00	21.00
5	64QAM	12	7	19.16	19.36	19.00	21.00
5	64QAM	12	13	19.25	19.37	19.02	21.00
5	64QAM	25	0	19.23	19.42	19.03	21.00
5	256QAM	1	0	17.28	17.44	17.07	19.00
5	256QAM	1	12	17.14	17.28	17.01	19.00
5	256QAM	1	24	17.11	17.29	17.14	19.00
5	256QAM	12	0	17.10	17.33	17.06	19.00
5	256QAM	12	7	17.23	17.43	17.02	19.00
5	256QAM	12	13	17.24	17.26	17.13	19.00
5	256QAM	25	0	17.30	17.43	17.05	19.00

【LTE Band 7_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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	19.57	19.65	19.20	21.00
20	QPSK	1	49	19.43	19.59	19.39	21.00
20	QPSK	1	99	19.51	19.60	19.24	21.00
20	QPSK	50	0	19.55	19.62	19.31	21.00
20	QPSK	50	24	19.53	19.56	19.40	21.00
20	QPSK	50	50	19.60	19.58	19.33	21.00
20	QPSK	100	0	19.47	19.54	19.21	21.00
20	16QAM	1	0	19.51	19.46	19.31	21.00
20	16QAM	1	49	19.61	19.53	19.42	21.00
20	16QAM	1	99	19.49	19.46	19.36	21.00
20	16QAM	50	0	19.57	19.46	19.22	21.00
20	16QAM	50	24	19.50	19.53	19.24	21.00
20	16QAM	50	50	19.50	19.63	19.22	21.00
20	16QAM	100	0	19.46	19.66	19.28	21.00
20	64QAM	1	0	19.49	19.51	19.26	21.00
20	64QAM	1	49	19.40	19.68	19.34	21.00
20	64QAM	1	99	19.62	19.68	19.43	21.00
20	64QAM	50	0	19.42	19.60	19.28	21.00
20	64QAM	50	24	19.49	19.55	19.25	21.00
20	64QAM	50	50	19.42	19.52	19.35	21.00
20	64QAM	100	0	19.61	19.52	19.33	21.00
20	256QAM	1	0	17.39	17.51	17.18	19.00
20	256QAM	1	49	17.26	17.33	17.00	19.00
20	256QAM	1	99	17.23	17.42	17.19	19.00
20	256QAM	50	0	17.19	17.35	17.09	19.00
20	256QAM	50	24	17.28	17.46	17.11	19.00
20	256QAM	50	50	17.30	17.38	17.17	19.00
20	256QAM	100	0	17.36	17.46	17.17	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	19.52	19.53	19.07	21.00
15	QPSK	1	37	19.34	19.57	19.18	21.00
15	QPSK	1	74	19.43	19.49	19.10	21.00
15	QPSK	36	0	19.53	19.50	19.20	21.00
15	QPSK	36	20	19.49	19.47	19.20	21.00
15	QPSK	36	39	19.57	19.45	19.20	21.00
15	QPSK	75	0	19.33	19.42	19.18	21.00
15	16QAM	1	0	19.45	19.36	19.20	21.00
15	16QAM	1	37	19.49	19.45	19.18	21.00
15	16QAM	1	74	19.36	19.42	19.19	21.00
15	16QAM	36	0	19.51	19.33	19.10	21.00
15	16QAM	36	20	19.38	19.46	19.18	21.00
15	16QAM	36	39	19.38	19.56	19.07	21.00
15	16QAM	75	0	19.40	19.63	19.20	21.00
15	64QAM	1	0	19.42	19.41	19.20	21.00
15	64QAM	1	37	19.31	19.61	19.18	21.00



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15	64QAM	1	74	19.48	19.62	19.19	21.00
15	64QAM	36	0	19.37	19.54	19.17	21.00
15	64QAM	36	20	19.47	19.50	19.18	21.00
15	64QAM	36	39	19.35	19.46	19.20	21.00
15	64QAM	75	0	19.53	19.48	19.20	21.00
15	256QAM	1	0	17.28	17.42	17.14	19.00
15	256QAM	1	37	17.14	17.32	17.00	19.00
15	256QAM	1	74	17.13	17.40	17.15	19.00
15	256QAM	36	0	17.09	17.32	17.01	19.00
15	256QAM	36	20	17.17	17.38	17.00	19.00
15	256QAM	36	39	17.21	17.24	17.12	19.00
15	256QAM	75	0	17.27	17.39	17.08	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.47	19.50	19.07	21.00
10	QPSK	1	25	19.40	19.53	19.18	21.00
10	QPSK	1	49	19.42	19.51	19.20	21.00
10	QPSK	25	0	19.47	19.52	19.19	21.00
10	QPSK	25	12	19.52	19.50	19.20	21.00
10	QPSK	25	25	19.53	19.54	19.20	21.00
10	QPSK	50	0	19.41	19.51	19.14	21.00
10	16QAM	1	0	19.37	19.38	19.20	21.00
10	16QAM	1	25	19.57	19.46	19.19	21.00
10	16QAM	1	49	19.41	19.41	19.19	21.00
10	16QAM	25	0	19.50	19.31	19.18	21.00
10	16QAM	25	12	19.36	19.50	19.10	21.00
10	16QAM	25	25	19.44	19.57	19.20	21.00
10	16QAM	50	0	19.36	19.58	19.19	21.00
10	64QAM	1	0	19.47	19.45	19.17	21.00
10	64QAM	1	25	19.26	19.60	19.19	21.00
10	64QAM	1	49	19.57	19.55	19.20	21.00
10	64QAM	25	0	19.41	19.47	19.18	21.00
10	64QAM	25	12	19.45	19.49	19.13	21.00
10	64QAM	25	25	19.35	19.41	19.20	21.00
10	64QAM	50	0	19.53	19.45	19.19	21.00
10	256QAM	1	0	17.31	17.43	17.12	19.00
10	256QAM	1	25	17.16	17.28	17.00	19.00
10	256QAM	1	49	17.20	17.37	17.08	19.00
10	256QAM	25	0	17.14	17.20	17.06	19.00
10	256QAM	25	12	17.21	17.40	17.09	19.00
10	256QAM	25	25	17.16	17.33	17.07	19.00
10	256QAM	50	0	17.33	17.41	17.16	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	19.53	19.54	19.15	21.00
5	QPSK	1	12	19.30	19.53	19.20	21.00
5	QPSK	1	24	19.46	19.46	19.10	21.00
5	QPSK	12	0	19.47	19.59	19.20	21.00
5	QPSK	12	7	19.49	19.52	19.20	21.00
5	QPSK	12	13	19.48	19.53	19.19	21.00
5	QPSK	25	0	19.35	19.40	19.12	21.00
5	16QAM	1	0	19.50	19.37	19.16	21.00
5	16QAM	1	12	19.52	19.48	19.20	21.00
5	16QAM	1	24	19.47	19.35	19.20	21.00
5	16QAM	12	0	19.48	19.43	19.11	21.00
5	16QAM	12	7	19.40	19.51	19.18	21.00
5	16QAM	12	13	19.44	19.53	19.13	21.00
5	16QAM	25	0	19.36	19.65	19.18	21.00
5	64QAM	1	0	19.44	19.43	19.20	21.00
5	64QAM	1	12	19.39	19.57	19.20	21.00
5	64QAM	1	24	19.54	19.57	19.19	21.00
5	64QAM	12	0	19.31	19.54	19.13	21.00
5	64QAM	12	7	19.37	19.42	19.20	21.00
5	64QAM	12	13	19.36	19.47	19.19	21.00
5	64QAM	25	0	19.50	19.46	19.19	21.00
5	256QAM	1	0	17.26	17.49	17.15	19.00
5	256QAM	1	12	17.15	17.18	17.01	19.00
5	256QAM	1	24	17.09	17.36	17.05	19.00
5	256QAM	12	0	17.15	17.30	17.07	19.00
5	256QAM	12	7	17.27	17.32	17.05	19.00
5	256QAM	12	13	17.15	17.34	17.12	19.00
5	256QAM	25	0	17.21	17.36	17.13	19.00



【LTE Band 7_Ant 4_Hotspot 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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	19.57	19.65	19.20	21.00
20	QPSK	1	49	19.43	19.59	19.39	21.00
20	QPSK	1	99	19.51	19.60	19.24	21.00
20	QPSK	50	0	19.55	19.62	19.31	21.00
20	QPSK	50	24	19.53	19.56	19.40	21.00
20	QPSK	50	50	19.60	19.58	19.33	21.00
20	QPSK	100	0	19.47	19.54	19.21	21.00
20	16QAM	1	0	19.51	19.46	19.31	21.00
20	16QAM	1	49	19.61	19.53	19.42	21.00
20	16QAM	1	99	19.49	19.46	19.36	21.00
20	16QAM	50	0	19.57	19.46	19.22	21.00
20	16QAM	50	24	19.50	19.53	19.24	21.00
20	16QAM	50	50	19.50	19.63	19.22	21.00
20	16QAM	100	0	19.46	19.66	19.28	21.00
20	64QAM	1	0	19.49	19.51	19.26	21.00
20	64QAM	1	49	19.40	19.68	19.34	21.00
20	64QAM	1	99	19.62	19.68	19.43	21.00
20	64QAM	50	0	19.42	19.60	19.28	21.00
20	64QAM	50	24	19.49	19.55	19.25	21.00
20	64QAM	50	50	19.42	19.52	19.35	21.00
20	64QAM	100	0	19.61	19.52	19.33	21.00
20	256QAM	1	0	17.39	17.51	17.18	19.00
20	256QAM	1	49	17.26	17.33	17.00	19.00
20	256QAM	1	99	17.23	17.42	17.19	19.00
20	256QAM	50	0	17.19	17.35	17.09	19.00
20	256QAM	50	24	17.28	17.46	17.11	19.00
20	256QAM	50	50	17.30	17.38	17.17	19.00
20	256QAM	100	0	17.36	17.46	17.17	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	19.52	19.53	19.07	21.00
15	QPSK	1	37	19.34	19.57	19.18	21.00
15	QPSK	1	74	19.43	19.49	19.10	21.00
15	QPSK	36	0	19.53	19.50	19.20	21.00
15	QPSK	36	20	19.49	19.47	19.20	21.00
15	QPSK	36	39	19.57	19.45	19.20	21.00
15	QPSK	75	0	19.33	19.42	19.18	21.00
15	16QAM	1	0	19.45	19.36	19.20	21.00
15	16QAM	1	37	19.49	19.45	19.18	21.00
15	16QAM	1	74	19.36	19.42	19.19	21.00
15	16QAM	36	0	19.51	19.33	19.10	21.00
15	16QAM	36	20	19.38	19.46	19.18	21.00
15	16QAM	36	39	19.38	19.56	19.07	21.00
15	16QAM	75	0	19.40	19.63	19.20	21.00
15	64QAM	1	0	19.42	19.41	19.20	21.00
15	64QAM	1	37	19.31	19.61	19.18	21.00
15	64QAM	1	74	19.48	19.62	19.19	21.00
15	64QAM	36	0	19.37	19.54	19.17	21.00
15	64QAM	36	20	19.47	19.50	19.18	21.00
15	64QAM	36	39	19.35	19.46	19.20	21.00
15	64QAM	75	0	19.53	19.48	19.20	21.00
15	256QAM	1	0	17.28	17.42	17.14	19.00
15	256QAM	1	37	17.14	17.32	17.00	19.00
15	256QAM	1	74	17.13	17.40	17.15	19.00
15	256QAM	36	0	17.09	17.32	17.01	19.00
15	256QAM	36	20	17.17	17.38	17.00	19.00
15	256QAM	36	39	17.21	17.24	17.12	19.00
15	256QAM	75	0	17.27	17.39	17.08	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.47	19.50	19.07	21.00
10	QPSK	1	25	19.40	19.53	19.18	21.00
10	QPSK	1	49	19.42	19.51	19.20	21.00
10	QPSK	25	0	19.47	19.52	19.19	21.00
10	QPSK	25	12	19.52	19.50	19.20	21.00
10	QPSK	25	25	19.53	19.54	19.20	21.00
10	QPSK	50	0	19.41	19.51	19.14	21.00
10	16QAM	1	0	19.37	19.38	19.20	21.00
10	16QAM	1	25	19.57	19.46	19.19	21.00
10	16QAM	1	49	19.41	19.41	19.19	21.00
10	16QAM	25	0	19.50	19.31	19.18	21.00
10	16QAM	25	12	19.36	19.50	19.10	21.00



10	16QAM	25	25	19.44	19.57	19.20	21.00
10	16QAM	50	0	19.36	19.58	19.19	21.00
10	64QAM	1	0	19.47	19.45	19.17	21.00
10	64QAM	1	25	19.26	19.60	19.19	21.00
10	64QAM	1	49	19.57	19.55	19.20	21.00
10	64QAM	25	0	19.41	19.47	19.18	21.00
10	64QAM	25	12	19.45	19.49	19.13	21.00
10	64QAM	25	25	19.35	19.41	19.20	21.00
10	64QAM	50	0	19.53	19.45	19.19	21.00
10	256QAM	1	0	17.31	17.43	17.12	19.00
10	256QAM	1	25	17.16	17.28	17.00	19.00
10	256QAM	1	49	17.20	17.37	17.08	19.00
10	256QAM	25	0	17.14	17.20	17.06	19.00
10	256QAM	25	12	17.21	17.40	17.09	19.00
10	256QAM	25	25	17.16	17.33	17.07	19.00
10	256QAM	50	0	17.33	17.41	17.16	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	19.53	19.54	19.15	21.00
5	QPSK	1	12	19.30	19.53	19.20	21.00
5	QPSK	1	24	19.46	19.46	19.10	21.00
5	QPSK	12	0	19.47	19.59	19.20	21.00
5	QPSK	12	7	19.49	19.52	19.20	21.00
5	QPSK	12	13	19.48	19.53	19.19	21.00
5	QPSK	25	0	19.35	19.40	19.12	21.00
5	16QAM	1	0	19.50	19.37	19.16	21.00
5	16QAM	1	12	19.52	19.48	19.20	21.00
5	16QAM	1	24	19.47	19.35	19.20	21.00
5	16QAM	12	0	19.48	19.43	19.11	21.00
5	16QAM	12	7	19.40	19.51	19.18	21.00
5	16QAM	12	13	19.44	19.53	19.13	21.00
5	16QAM	25	0	19.36	19.65	19.18	21.00
5	64QAM	1	0	19.44	19.43	19.20	21.00
5	64QAM	1	12	19.39	19.57	19.20	21.00
5	64QAM	1	24	19.54	19.57	19.19	21.00
5	64QAM	12	0	19.31	19.54	19.13	21.00
5	64QAM	12	7	19.37	19.42	19.20	21.00
5	64QAM	12	13	19.36	19.47	19.19	21.00
5	64QAM	25	0	19.50	19.46	19.19	21.00
5	256QAM	1	0	17.26	17.49	17.15	19.00
5	256QAM	1	12	17.15	17.18	17.01	19.00
5	256QAM	1	24	17.09	17.36	17.05	19.00
5	256QAM	12	0	17.15	17.30	17.07	19.00
5	256QAM	12	7	17.27	17.32	17.05	19.00
5	256QAM	12	13	17.15	17.34	17.12	19.00
5	256QAM	25	0	17.21	17.36	17.13	19.00

【LTE Band 12_Ant 0_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				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.82	23.87	23.72	24.50
10	QPSK	1	25	23.65	23.78	23.55	24.50
10	QPSK	1	49	23.42	23.59	23.31	24.50
10	QPSK	25	0	22.62	22.74	22.46	23.50
10	QPSK	25	12	22.46	22.64	22.43	23.50
10	QPSK	25	25	22.64	22.71	22.50	23.50
10	QPSK	50	0	22.56	22.68	22.41	23.50
10	16QAM	1	0	22.95	23.14	22.94	23.50
10	16QAM	1	25	23.02	23.19	22.91	23.50
10	16QAM	1	49	22.87	22.96	22.75	23.50
10	16QAM	25	0	21.68	21.79	21.53	22.50
10	16QAM	25	12	21.61	21.78	21.51	22.50
10	16QAM	25	25	21.65	21.71	21.50	22.50
10	16QAM	50	0	21.52	21.63	21.40	22.50
10	64QAM	1	0	21.67	21.85	21.58	22.50
10	64QAM	1	25	21.72	21.90	21.72	22.50
10	64QAM	1	49	21.76	21.83	21.65	22.50
10	64QAM	25	0	20.63	20.70	20.53	21.50
10	64QAM	25	12	20.71	20.80	20.58	21.50
10	64QAM	25	25	20.63	20.75	20.53	21.50



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10	64QAM	50	0	20.51	20.65	20.42	21.50
10	256QAM	1	0	18.67	18.80	18.65	19.50
10	256QAM	1	25	18.75	18.85	18.61	19.50
10	256QAM	1	49	18.79	18.84	18.71	19.50
10	256QAM	25	0	18.61	18.75	18.58	19.50
10	256QAM	25	12	18.65	18.73	18.50	19.50
10	256QAM	25	25	18.57	18.74	18.60	19.50
10	256QAM	50	0	18.67	18.77	18.52	19.50
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	23.79	23.84	23.64	24.50
5	QPSK	1	12	23.52	23.67	23.46	24.50
5	QPSK	1	24	23.29	23.49	23.22	24.50
5	QPSK	12	0	22.55	22.73	22.40	23.50
5	QPSK	12	7	22.33	22.59	22.40	23.50
5	QPSK	12	13	22.59	22.66	22.39	23.50
5	QPSK	25	0	22.50	22.54	22.35	23.50
5	16QAM	1	0	22.89	23.10	22.86	23.50
5	16QAM	1	12	22.96	23.08	22.80	23.50
5	16QAM	1	24	22.80	22.93	22.63	23.50
5	16QAM	12	0	21.66	21.71	21.48	22.50
5	16QAM	12	7	21.47	21.67	21.49	22.50
5	16QAM	12	13	21.59	21.66	21.43	22.50
5	16QAM	25	0	21.44	21.58	21.38	22.50
5	64QAM	1	0	21.61	21.77	21.51	22.50
5	64QAM	1	12	21.65	21.82	21.61	22.50
5	64QAM	1	24	21.69	21.76	21.63	22.50
5	64QAM	12	0	20.53	20.67	20.39	21.50
5	64QAM	12	7	20.57	20.65	20.47	21.50
5	64QAM	12	13	20.59	20.74	20.38	21.50
5	64QAM	25	0	20.49	20.57	20.33	21.50
5	256QAM	1	0	18.66	18.69	18.58	19.50
5	256QAM	1	12	18.60	18.80	18.60	19.50
5	256QAM	1	24	18.78	18.81	18.70	19.50
5	256QAM	12	0	18.56	18.64	18.52	19.50
5	256QAM	12	7	18.52	18.71	18.46	19.50
5	256QAM	12	13	18.49	18.71	18.57	19.50
5	256QAM	25	0	18.65	18.62	18.49	19.50
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	23.76	23.78	23.64	24.50
3	QPSK	1	8	23.51	23.73	23.44	24.50
3	QPSK	1	14	23.35	23.47	23.29	24.50
3	QPSK	8	0	22.47	22.69	22.44	23.50
3	QPSK	8	4	22.42	22.53	22.34	23.50
3	QPSK	8	7	22.53	22.68	22.44	23.50
3	QPSK	15	0	22.47	22.65	22.31	23.50
3	16QAM	1	0	22.80	23.03	22.80	23.50
3	16QAM	1	8	22.99	23.13	22.87	23.50
3	16QAM	1	14	22.79	22.93	22.65	23.50
3	16QAM	8	0	21.58	21.65	21.39	22.50
3	16QAM	8	4	21.58	21.71	21.48	22.50
3	16QAM	8	7	21.54	21.63	21.49	22.50
3	16QAM	15	0	21.42	21.58	21.33	22.50
3	64QAM	1	0	21.65	21.73	21.45	22.50
3	64QAM	1	8	21.63	21.77	21.71	22.50
3	64QAM	1	14	21.71	21.70	21.64	22.50
3	64QAM	8	0	20.50	20.59	20.38	21.50
3	64QAM	8	4	20.66	20.77	20.51	21.50
3	64QAM	8	7	20.58	20.66	20.44	21.50
3	64QAM	15	0	20.43	20.50	20.40	21.50
3	256QAM	1	0	18.62	18.74	18.54	19.50
3	256QAM	1	8	18.72	18.83	18.50	19.50
3	256QAM	1	14	18.65	18.74	18.62	19.50
3	256QAM	8	0	18.60	18.65	18.43	19.50
3	256QAM	8	4	18.61	18.71	18.49	19.50
3	256QAM	8	7	18.56	18.61	18.49	19.50
3	256QAM	15	0	18.53	18.65	18.51	19.50
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	23.68	23.83	23.64	24.50
1.4	QPSK	1	3	23.52	23.67	23.44	24.50
1.4	QPSK	1	5	23.36	23.52	23.17	24.50
1.4	QPSK	3	0	23.48	23.73	23.43	24.50
1.4	QPSK	3	1	23.42	23.53	23.30	24.50
1.4	QPSK	3	3	23.63	23.62	23.36	24.50
1.4	QPSK	6	0	22.54	22.67	22.30	23.50
1.4	16QAM	1	0	22.94	23.02	22.89	23.50



1.4	16QAM	1	3	22.91	23.18	22.77	23.50
1.4	16QAM	1	5	22.85	22.92	22.63	23.50
1.4	16QAM	3	0	22.66	22.66	22.50	23.50
1.4	16QAM	3	1	22.46	22.67	22.43	23.50
1.4	16QAM	3	3	22.62	22.63	22.39	23.50
1.4	16QAM	6	0	21.46	21.59	21.35	22.50
1.4	64QAM	1	0	21.63	21.75	21.54	22.50
1.4	64QAM	1	3	21.68	21.88	21.62	22.50
1.4	64QAM	1	5	21.70	21.75	21.63	22.50
1.4	64QAM	3	0	21.58	21.66	21.41	22.50
1.4	64QAM	3	1	21.64	21.76	21.44	22.50
1.4	64QAM	3	3	21.56	21.66	21.40	22.50
1.4	64QAM	6	0	20.42	20.62	20.31	21.50
1.4	256QAM	1	0	18.62	18.67	18.60	19.50
1.4	256QAM	1	3	18.69	18.81	18.50	19.50
1.4	256QAM	1	5	18.72	18.83	18.58	19.50
1.4	256QAM	3	0	18.56	18.66	18.45	19.50
1.4	256QAM	3	1	18.51	18.60	18.48	19.50
1.4	256QAM	3	3	18.46	18.65	18.55	19.50
1.4	256QAM	6	0	18.65	18.68	18.42	19.50

【LTE Band 12_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.82	23.87	23.72	24.50
10	QPSK	1	25	23.65	23.78	23.55	24.50
10	QPSK	1	49	23.42	23.59	23.31	24.50
10	QPSK	25	0	22.62	22.74	22.46	23.50
10	QPSK	25	12	22.46	22.64	22.43	23.50
10	QPSK	25	25	22.64	22.71	22.50	23.50
10	QPSK	50	0	22.56	22.68	22.41	23.50
10	16QAM	1	0	22.95	23.14	22.94	23.50
10	16QAM	1	25	23.02	23.19	22.91	23.50
10	16QAM	1	49	22.87	22.96	22.75	23.50
10	16QAM	25	0	21.68	21.79	21.53	22.50
10	16QAM	25	12	21.61	21.78	21.51	22.50
10	16QAM	25	25	21.65	21.71	21.50	22.50
10	16QAM	50	0	21.52	21.63	21.40	22.50
10	64QAM	1	0	21.67	21.85	21.58	22.50
10	64QAM	1	25	21.72	21.90	21.72	22.50
10	64QAM	1	49	21.76	21.83	21.65	22.50
10	64QAM	25	0	20.63	20.70	20.53	21.50
10	64QAM	25	12	20.71	20.80	20.58	21.50
10	64QAM	25	25	20.63	20.75	20.53	21.50
10	64QAM	50	0	20.51	20.65	20.42	21.50
10	256QAM	1	0	18.67	18.80	18.65	19.50
10	256QAM	1	25	18.75	18.85	18.61	19.50
10	256QAM	1	49	18.79	18.84	18.71	19.50
10	256QAM	25	0	18.61	18.75	18.58	19.50
10	256QAM	25	12	18.65	18.73	18.50	19.50
10	256QAM	25	25	18.57	18.74	18.60	19.50
10	256QAM	50	0	18.67	18.77	18.52	19.50
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.79	23.84	23.64	24.50
5	QPSK	1	12	23.52	23.67	23.46	24.50
5	QPSK	1	24	23.29	23.49	23.22	24.50
5	QPSK	12	0	22.55	22.73	22.40	23.50
5	QPSK	12	7	22.33	22.59	22.40	23.50
5	QPSK	12	13	22.59	22.66	22.39	23.50
5	QPSK	25	0	22.50	22.54	22.35	23.50
5	16QAM	1	0	22.89	23.10	22.86	23.50
5	16QAM	1	12	22.96	23.08	22.80	23.50
5	16QAM	1	24	22.80	22.93	22.63	23.50
5	16QAM	12	0	21.66	21.71	21.48	22.50
5	16QAM	12	7	21.47	21.67	21.49	22.50
5	16QAM	12	13	21.59	21.66	21.43	22.50
5	16QAM	25	0	21.44	21.58	21.38	22.50
5	64QAM	1	0	21.61	21.77	21.51	22.50
5	64QAM	1	12	21.65	21.82	21.61	22.50



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5	64QAM	1	24	21.69	21.76	21.63	22.50
5	64QAM	12	0	20.53	20.67	20.39	21.50
5	64QAM	12	7	20.57	20.65	20.47	21.50
5	64QAM	12	13	20.59	20.74	20.38	21.50
5	64QAM	25	0	20.49	20.57	20.33	21.50
5	256QAM	1	0	18.66	18.69	18.58	19.50
5	256QAM	1	12	18.60	18.80	18.60	19.50
5	256QAM	1	24	18.78	18.81	18.70	19.50
5	256QAM	12	0	18.56	18.64	18.52	19.50
5	256QAM	12	7	18.52	18.71	18.46	19.50
5	256QAM	12	13	18.49	18.71	18.57	19.50
5	256QAM	25	0	18.65	18.62	18.49	19.50
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.76	23.78	23.64	24.50
3	QPSK	1	8	23.51	23.73	23.44	24.50
3	QPSK	1	14	23.35	23.47	23.29	24.50
3	QPSK	8	0	22.47	22.69	22.44	23.50
3	QPSK	8	4	22.42	22.53	22.34	23.50
3	QPSK	8	7	22.53	22.68	22.44	23.50
3	QPSK	15	0	22.47	22.65	22.31	23.50
3	16QAM	1	0	22.80	23.03	22.80	23.50
3	16QAM	1	8	22.99	23.13	22.87	23.50
3	16QAM	1	14	22.79	22.93	22.65	23.50
3	16QAM	8	0	21.58	21.65	21.39	22.50
3	16QAM	8	4	21.58	21.71	21.48	22.50
3	16QAM	8	7	21.54	21.63	21.49	22.50
3	16QAM	15	0	21.42	21.58	21.33	22.50
3	64QAM	1	0	21.65	21.73	21.45	22.50
3	64QAM	1	8	21.63	21.77	21.71	22.50
3	64QAM	1	14	21.71	21.70	21.64	22.50
3	64QAM	8	0	20.50	20.59	20.38	21.50
3	64QAM	8	4	20.66	20.77	20.51	21.50
3	64QAM	8	7	20.58	20.66	20.44	21.50
3	64QAM	15	0	20.43	20.50	20.40	21.50
3	256QAM	1	0	18.62	18.74	18.54	19.50
3	256QAM	1	8	18.72	18.83	18.50	19.50
3	256QAM	1	14	18.65	18.74	18.62	19.50
3	256QAM	8	0	18.60	18.65	18.43	19.50
3	256QAM	8	4	18.61	18.71	18.49	19.50
3	256QAM	8	7	18.56	18.61	18.49	19.50
3	256QAM	15	0	18.53	18.65	18.51	19.50
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.68	23.83	23.64	24.50
1.4	QPSK	1	3	23.52	23.67	23.44	24.50
1.4	QPSK	1	5	23.36	23.52	23.17	24.50
1.4	QPSK	3	0	23.48	23.73	23.43	24.50
1.4	QPSK	3	1	23.42	23.53	23.30	24.50
1.4	QPSK	3	3	23.63	23.62	23.36	24.50
1.4	QPSK	6	0	22.54	22.67	22.30	23.50
1.4	16QAM	1	0	22.94	23.02	22.89	23.50
1.4	16QAM	1	3	22.91	23.18	22.77	23.50
1.4	16QAM	1	5	22.85	22.92	22.63	23.50
1.4	16QAM	3	0	22.66	22.66	22.50	23.50
1.4	16QAM	3	1	22.46	22.67	22.43	23.50
1.4	16QAM	3	3	22.62	22.63	22.39	23.50
1.4	16QAM	6	0	21.46	21.59	21.35	22.50
1.4	64QAM	1	0	21.63	21.75	21.54	22.50
1.4	64QAM	1	3	21.68	21.88	21.62	22.50
1.4	64QAM	1	5	21.70	21.75	21.63	22.50
1.4	64QAM	3	0	21.58	21.66	21.41	22.50
1.4	64QAM	3	1	21.64	21.76	21.44	22.50
1.4	64QAM	3	3	21.56	21.66	21.40	22.50
1.4	64QAM	6	0	20.42	20.62	20.31	21.50
1.4	256QAM	1	0	18.62	18.67	18.60	19.50
1.4	256QAM	1	3	18.69	18.81	18.50	19.50
1.4	256QAM	1	5	18.72	18.83	18.58	19.50
1.4	256QAM	3	0	18.56	18.66	18.45	19.50
1.4	256QAM	3	1	18.51	18.60	18.48	19.50
1.4	256QAM	3	3	18.46	18.65	18.55	19.50
1.4	256QAM	6	0	18.65	18.68	18.42	19.50

**【LTE Band 12_Ant 0_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				23060	23095	23130	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	21.37	21.47	21.19	22.00
10	QPSK	1	25	21.26	21.45	21.29	22.00
10	QPSK	1	49	21.23	21.42	21.21	22.00
10	QPSK	25	0	21.29	21.39	21.28	22.00
10	QPSK	25	12	21.23	21.36	21.23	22.00
10	QPSK	25	25	21.31	21.37	21.26	22.00
10	QPSK	50	0	21.25	21.39	21.18	22.00
10	16QAM	1	0	21.24	21.37	21.23	22.00
10	16QAM	1	25	21.38	21.28	21.27	22.00
10	16QAM	1	49	21.29	21.34	21.17	22.00
10	16QAM	25	0	21.42	21.46	21.17	22.00
10	16QAM	25	12	21.23	21.33	21.29	22.00
10	16QAM	25	25	21.41	21.39	21.19	22.00
10	16QAM	50	0	21.24	21.44	21.22	22.00
10	64QAM	1	0	21.29	21.40	21.25	22.00
10	64QAM	1	25	21.36	21.42	21.26	22.00
10	64QAM	1	49	21.34	21.43	21.14	22.00
10	64QAM	25	0	20.63	20.70	20.53	21.50
10	64QAM	25	12	20.71	20.80	20.58	21.50
10	64QAM	25	25	20.63	20.75	20.53	21.50
10	64QAM	50	0	20.51	20.65	20.42	21.50
10	256QAM	1	0	18.67	18.80	18.65	19.50
10	256QAM	1	25	18.75	18.85	18.61	19.50
10	256QAM	1	49	18.79	18.84	18.71	19.50
10	256QAM	25	0	18.61	18.75	18.58	19.50
10	256QAM	25	12	18.65	18.73	18.50	19.50
10	256QAM	25	25	18.57	18.74	18.60	19.50
10	256QAM	50	0	18.67	18.77	18.52	19.50
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	21.32	21.41	21.04	22.00
5	QPSK	1	12	21.22	21.32	21.16	22.00
5	QPSK	1	24	21.11	21.38	21.16	22.00
5	QPSK	12	0	21.19	21.36	21.18	22.00
5	QPSK	12	7	21.12	21.33	21.17	22.00
5	QPSK	12	13	21.20	21.32	21.17	22.00
5	QPSK	25	0	21.13	21.35	21.10	22.00
5	16QAM	1	0	21.16	21.31	21.18	22.00
5	16QAM	1	12	21.24	21.20	21.14	22.00
5	16QAM	1	24	21.24	21.28	21.15	22.00
5	16QAM	12	0	21.28	21.40	21.10	22.00
5	16QAM	12	7	21.20	21.19	21.18	22.00
5	16QAM	12	13	21.34	21.32	21.07	22.00
5	16QAM	25	0	21.16	21.29	21.18	22.00
5	64QAM	1	0	21.27	21.30	21.18	22.00
5	64QAM	1	12	21.22	21.30	21.19	22.00
5	64QAM	1	24	21.32	21.40	21.10	22.00
5	64QAM	12	0	20.52	20.67	20.48	21.50
5	64QAM	12	7	20.68	20.69	20.55	21.50
5	64QAM	12	13	20.56	20.68	20.52	21.50
5	64QAM	25	0	20.43	20.56	20.37	21.50
5	256QAM	1	0	18.54	18.74	18.62	19.50
5	256QAM	1	12	18.70	18.78	18.55	19.50
5	256QAM	1	24	18.68	18.71	18.66	19.50
5	256QAM	12	0	18.46	18.73	18.46	19.50
5	256QAM	12	7	18.53	18.61	18.47	19.50
5	256QAM	12	13	18.51	18.68	18.52	19.50
5	256QAM	25	0	18.52	18.69	18.38	19.50
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	21.24	21.37	21.05	22.00
3	QPSK	1	8	21.13	21.42	21.18	22.00
3	QPSK	1	14	21.10	21.40	21.11	22.00
3	QPSK	8	0	21.14	21.26	21.18	22.00
3	QPSK	8	4	21.10	21.28	21.19	22.00
3	QPSK	8	7	21.25	21.25	21.19	22.00
3	QPSK	15	0	21.20	21.36	21.13	22.00
3	16QAM	1	0	21.15	21.24	21.18	22.00
3	16QAM	1	8	21.31	21.23	21.14	22.00
3	16QAM	1	14	21.19	21.26	21.12	22.00
3	16QAM	8	0	21.35	21.34	21.14	22.00
3	16QAM	8	4	21.21	21.31	21.19	22.00



3	16QAM	8	7	21.36	21.33	21.12	22.00
3	16QAM	15	0	21.16	21.38	21.08	22.00
3	64QAM	1	0	21.23	21.29	21.12	22.00
3	64QAM	1	8	21.23	21.38	21.19	22.00
3	64QAM	1	14	21.31	21.29	21.10	22.00
3	64QAM	8	0	20.61	20.68	20.46	21.50
3	64QAM	8	4	20.65	20.78	20.51	21.50
3	64QAM	8	7	20.53	20.62	20.51	21.50
3	64QAM	15	0	20.39	20.64	20.30	21.50
3	256QAM	1	0	18.62	18.79	18.58	19.50
3	256QAM	1	8	18.61	18.79	18.49	19.50
3	256QAM	1	14	18.69	18.83	18.64	19.50
3	256QAM	8	0	18.48	18.67	18.44	19.50
3	256QAM	8	4	18.63	18.61	18.36	19.50
3	256QAM	8	7	18.54	18.68	18.45	19.50
3	256QAM	15	0	18.61	18.72	18.40	19.50
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	21.23	21.35	21.17	22.00
1.4	QPSK	1	3	21.24	21.37	21.17	22.00
1.4	QPSK	1	5	21.13	21.40	21.13	22.00
1.4	QPSK	3	0	21.14	21.36	21.15	22.00
1.4	QPSK	3	1	21.13	21.34	21.17	22.00
1.4	QPSK	3	3	21.28	21.34	21.17	22.00
1.4	QPSK	6	0	21.20	21.25	21.07	22.00
1.4	16QAM	1	0	21.18	21.29	21.17	22.00
1.4	16QAM	1	3	21.37	21.25	21.19	22.00
1.4	16QAM	1	5	21.22	21.29	21.03	22.00
1.4	16QAM	3	0	21.37	21.40	21.05	22.00
1.4	16QAM	3	1	21.13	21.20	21.17	22.00
1.4	16QAM	3	3	21.31	21.29	21.12	22.00
1.4	16QAM	6	0	21.13	21.38	21.18	22.00
1.4	64QAM	1	0	21.19	21.26	21.13	22.00
1.4	64QAM	1	3	21.25	21.37	21.15	22.00
1.4	64QAM	1	5	21.29	21.29	21.00	22.00
1.4	64QAM	3	0	21.02	21.16	20.99	22.00
1.4	64QAM	3	1	21.08	21.20	21.05	22.00
1.4	64QAM	3	3	21.05	21.12	21.01	22.00
1.4	64QAM	6	0	20.41	20.53	20.40	21.50
1.4	256QAM	1	0	18.60	18.77	18.58	19.50
1.4	256QAM	1	3	18.71	18.76	18.49	19.50
1.4	256QAM	1	5	18.66	18.74	18.65	19.50
1.4	256QAM	3	0	18.47	18.60	18.57	19.50
1.4	256QAM	3	1	18.60	18.70	18.35	19.50
1.4	256QAM	3	3	18.52	18.70	18.50	19.50
1.4	256QAM	6	0	18.64	18.66	18.40	19.50

【LTE Band 12_Ant 0_Hotspot 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				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	21.37	21.47	21.19	22.00
10	QPSK	1	25	21.26	21.45	21.29	22.00
10	QPSK	1	49	21.23	21.42	21.21	22.00
10	QPSK	25	0	21.29	21.39	21.28	22.00
10	QPSK	25	12	21.23	21.36	21.23	22.00
10	QPSK	25	25	21.31	21.37	21.26	22.00
10	QPSK	50	0	21.25	21.39	21.18	22.00
10	16QAM	1	0	21.24	21.37	21.23	22.00
10	16QAM	1	25	21.38	21.28	21.27	22.00
10	16QAM	1	49	21.29	21.34	21.17	22.00
10	16QAM	25	0	21.42	21.46	21.17	22.00
10	16QAM	25	12	21.23	21.33	21.29	22.00
10	16QAM	25	25	21.41	21.39	21.19	22.00
10	16QAM	50	0	21.24	21.44	21.22	22.00
10	64QAM	1	0	21.29	21.40	21.25	22.00
10	64QAM	1	25	21.36	21.42	21.26	22.00
10	64QAM	1	49	21.34	21.43	21.14	22.00
10	64QAM	25	0	20.63	20.70	20.53	21.50
10	64QAM	25	12	20.71	20.80	20.58	21.50
10	64QAM	25	25	20.63	20.75	20.53	21.50



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10	64QAM	50	0	20.51	20.65	20.42	21.50
10	256QAM	1	0	18.67	18.80	18.65	19.50
10	256QAM	1	25	18.75	18.85	18.61	19.50
10	256QAM	1	49	18.79	18.84	18.71	19.50
10	256QAM	25	0	18.61	18.75	18.58	19.50
10	256QAM	25	12	18.65	18.73	18.50	19.50
10	256QAM	25	25	18.57	18.74	18.60	19.50
10	256QAM	50	0	18.67	18.77	18.52	19.50
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	21.32	21.41	21.04	22.00
5	QPSK	1	12	21.22	21.32	21.16	22.00
5	QPSK	1	24	21.11	21.38	21.16	22.00
5	QPSK	12	0	21.19	21.36	21.18	22.00
5	QPSK	12	7	21.12	21.33	21.17	22.00
5	QPSK	12	13	21.20	21.32	21.17	22.00
5	QPSK	25	0	21.13	21.35	21.10	22.00
5	16QAM	1	0	21.16	21.31	21.18	22.00
5	16QAM	1	12	21.24	21.20	21.14	22.00
5	16QAM	1	24	21.24	21.28	21.15	22.00
5	16QAM	12	0	21.28	21.40	21.10	22.00
5	16QAM	12	7	21.20	21.19	21.18	22.00
5	16QAM	12	13	21.34	21.32	21.07	22.00
5	16QAM	25	0	21.16	21.29	21.18	22.00
5	64QAM	1	0	21.27	21.30	21.18	22.00
5	64QAM	1	12	21.22	21.30	21.19	22.00
5	64QAM	1	24	21.32	21.40	21.10	22.00
5	64QAM	12	0	20.52	20.67	20.48	21.50
5	64QAM	12	7	20.68	20.69	20.55	21.50
5	64QAM	12	13	20.56	20.68	20.52	21.50
5	64QAM	25	0	20.43	20.56	20.37	21.50
5	256QAM	1	0	18.54	18.74	18.62	19.50
5	256QAM	1	12	18.70	18.78	18.55	19.50
5	256QAM	1	24	18.68	18.71	18.66	19.50
5	256QAM	12	0	18.46	18.73	18.46	19.50
5	256QAM	12	7	18.53	18.61	18.47	19.50
5	256QAM	12	13	18.51	18.68	18.52	19.50
5	256QAM	25	0	18.52	18.69	18.38	19.50
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	21.24	21.37	21.05	22.00
3	QPSK	1	8	21.13	21.42	21.18	22.00
3	QPSK	1	14	21.10	21.40	21.11	22.00
3	QPSK	8	0	21.14	21.26	21.18	22.00
3	QPSK	8	4	21.10	21.28	21.19	22.00
3	QPSK	8	7	21.25	21.25	21.19	22.00
3	QPSK	15	0	21.20	21.36	21.13	22.00
3	16QAM	1	0	21.15	21.24	21.18	22.00
3	16QAM	1	8	21.31	21.23	21.14	22.00
3	16QAM	1	14	21.19	21.26	21.12	22.00
3	16QAM	8	0	21.35	21.34	21.14	22.00
3	16QAM	8	4	21.21	21.31	21.19	22.00
3	16QAM	8	7	21.36	21.33	21.12	22.00
3	16QAM	15	0	21.16	21.38	21.08	22.00
3	64QAM	1	0	21.23	21.29	21.12	22.00
3	64QAM	1	8	21.23	21.38	21.19	22.00
3	64QAM	1	14	21.31	21.29	21.10	22.00
3	64QAM	8	0	20.61	20.68	20.46	21.50
3	64QAM	8	4	20.65	20.78	20.51	21.50
3	64QAM	8	7	20.53	20.62	20.51	21.50
3	64QAM	15	0	20.39	20.64	20.30	21.50
3	256QAM	1	0	18.62	18.79	18.58	19.50
3	256QAM	1	8	18.61	18.79	18.49	19.50
3	256QAM	1	14	18.69	18.83	18.64	19.50
3	256QAM	8	0	18.48	18.67	18.44	19.50
3	256QAM	8	4	18.63	18.61	18.36	19.50
3	256QAM	8	7	18.54	18.68	18.45	19.50
3	256QAM	15	0	18.61	18.72	18.40	19.50
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	21.23	21.35	21.17	22.00
1.4	QPSK	1	3	21.24	21.37	21.17	22.00
1.4	QPSK	1	5	21.13	21.40	21.13	22.00
1.4	QPSK	3	0	21.14	21.36	21.15	22.00
1.4	QPSK	3	1	21.13	21.34	21.17	22.00
1.4	QPSK	3	3	21.28	21.34	21.17	22.00
1.4	QPSK	6	0	21.20	21.25	21.07	22.00
1.4	16QAM	1	0	21.18	21.29	21.17	22.00



1.4	16QAM	1	3	21.37	21.25	21.19	22.00
1.4	16QAM	1	5	21.22	21.29	21.03	22.00
1.4	16QAM	3	0	21.37	21.40	21.05	22.00
1.4	16QAM	3	1	21.13	21.20	21.17	22.00
1.4	16QAM	3	3	21.31	21.29	21.12	22.00
1.4	16QAM	6	0	21.13	21.38	21.18	22.00
1.4	64QAM	1	0	21.19	21.26	21.13	22.00
1.4	64QAM	1	3	21.25	21.37	21.15	22.00
1.4	64QAM	1	5	21.29	21.29	21.00	22.00
1.4	64QAM	3	0	21.02	21.16	20.99	22.00
1.4	64QAM	3	1	21.08	21.20	21.05	22.00
1.4	64QAM	3	3	21.05	21.12	21.01	22.00
1.4	64QAM	6	0	20.41	20.53	20.40	21.50
1.4	256QAM	1	0	18.60	18.77	18.58	19.50
1.4	256QAM	1	3	18.71	18.76	18.49	19.50
1.4	256QAM	1	5	18.66	18.74	18.65	19.50
1.4	256QAM	3	0	18.47	18.60	18.57	19.50
1.4	256QAM	3	1	18.60	18.70	18.35	19.50
1.4	256QAM	3	3	18.52	18.70	18.50	19.50
1.4	256QAM	6	0	18.64	18.66	18.40	19.50

【LTE Band 13_Ant 0_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					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.62		24.50
10	QPSK	1	25		23.61		24.50
10	QPSK	1	49		23.52		24.50
10	QPSK	25	0		22.73		23.50
10	QPSK	25	12		22.70		23.50
10	QPSK	25	25		22.63		23.50
10	QPSK	50	0		22.74		23.50
10	16QAM	1	0		22.86		23.50
10	16QAM	1	25		22.87		23.50
10	16QAM	1	49		22.77		23.50
10	16QAM	25	0		21.66		22.50
10	16QAM	25	12		21.70		22.50
10	16QAM	25	25		21.62		22.50
10	16QAM	50	0		21.79		22.50
10	64QAM	1	0		21.70		22.50
10	64QAM	1	25		21.71		22.50
10	64QAM	1	49		21.63		22.50
10	64QAM	25	0		20.73		21.50
10	64QAM	25	12		20.74		21.50
10	64QAM	25	25		20.69		21.50
10	64QAM	50	0		20.70		21.50
10	256QAM	1	0		18.83		19.50
10	256QAM	1	25		18.88		19.50
10	256QAM	1	49		18.65		19.50
10	256QAM	25	0		18.75		19.50
10	256QAM	25	12		18.73		19.50
10	256QAM	25	25		18.70		19.50
10	256QAM	50	0		18.72		19.50
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	23.55	23.45	23.54	24.50
5	QPSK	1	12	23.63	23.60	23.42	24.50
5	QPSK	1	24	23.46	23.36	23.40	24.50
5	QPSK	12	0	22.70	22.72	22.57	23.50
5	QPSK	12	7	22.69	22.57	22.68	23.50
5	QPSK	12	13	22.59	22.62	22.46	23.50
5	QPSK	25	0	22.69	22.54	22.66	23.50
5	16QAM	1	0	22.70	22.78	22.66	23.50
5	16QAM	1	12	22.77	22.71	22.73	23.50
5	16QAM	1	24	22.58	22.69	22.77	23.50
5	16QAM	12	0	21.48	21.61	21.52	22.50
5	16QAM	12	7	21.58	21.59	21.50	22.50
5	16QAM	12	13	21.57	21.58	21.50	22.50
5	16QAM	25	0	21.66	21.68	21.67	22.50
5	64QAM	1	0	21.56	21.60	21.64	22.50
5	64QAM	1	12	21.55	21.55	21.66	22.50



5	64QAM	1	24	21.55	21.53	21.58	22.50
5	64QAM	12	0	20.73	20.73	20.70	21.50
5	64QAM	12	7	20.69	20.57	20.55	21.50
5	64QAM	12	13	20.60	20.66	20.58	21.50
5	64QAM	25	0	20.51	20.61	20.60	21.50
5	256QAM	1	0	18.71	18.63	18.77	19.50
5	256QAM	1	12	18.85	18.83	18.74	19.50
5	256QAM	1	24	18.54	18.59	18.48	19.50
5	256QAM	12	0	18.63	18.55	18.61	19.50
5	256QAM	12	7	18.53	18.72	18.67	19.50
5	256QAM	12	13	18.70	18.53	18.71	19.50
5	256QAM	25	0	18.61	18.60	18.50	19.50

【LTE Band 13_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.62		24.50
10	QPSK	1	25		23.61		24.50
10	QPSK	1	49		23.52		24.50
10	QPSK	25	0		22.73		23.50
10	QPSK	25	12		22.70		23.50
10	QPSK	25	25		22.63		23.50
10	QPSK	50	0		22.74		23.50
10	16QAM	1	0		22.86		23.50
10	16QAM	1	25		22.87		23.50
10	16QAM	1	49		22.77		23.50
10	16QAM	25	0		21.66		22.50
10	16QAM	25	12		21.70		22.50
10	16QAM	25	25		21.62		22.50
10	16QAM	50	0		21.79		22.50
10	64QAM	1	0		21.70		22.50
10	64QAM	1	25		21.71		22.50
10	64QAM	1	49		21.63		22.50
10	64QAM	25	0		20.73		21.50
10	64QAM	25	12		20.74		21.50
10	64QAM	25	25		20.69		21.50
10	64QAM	50	0		20.70		21.50
10	256QAM	1	0		18.83		19.50
10	256QAM	1	25		18.88		19.50
10	256QAM	1	49		18.65		19.50
10	256QAM	25	0		18.75		19.50
10	256QAM	25	12		18.73		19.50
10	256QAM	25	25		18.70		19.50
10	256QAM	50	0		18.72		19.50
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	23.55	23.45	23.54	24.50
5	QPSK	1	12	23.63	23.60	23.42	24.50
5	QPSK	1	24	23.46	23.36	23.40	24.50
5	QPSK	12	0	22.70	22.72	22.57	23.50
5	QPSK	12	7	22.69	22.57	22.68	23.50
5	QPSK	12	13	22.59	22.62	22.46	23.50
5	QPSK	25	0	22.69	22.54	22.66	23.50
5	16QAM	1	0	22.70	22.78	22.66	23.50
5	16QAM	1	12	22.77	22.71	22.73	23.50
5	16QAM	1	24	22.58	22.69	22.77	23.50
5	16QAM	12	0	21.48	21.61	21.52	22.50
5	16QAM	12	7	21.58	21.59	21.50	22.50
5	16QAM	12	13	21.57	21.58	21.50	22.50
5	16QAM	25	0	21.66	21.68	21.67	22.50
5	64QAM	1	0	21.56	21.60	21.64	22.50
5	64QAM	1	12	21.55	21.55	21.66	22.50
5	64QAM	1	24	21.55	21.53	21.58	22.50
5	64QAM	12	0	20.73	20.73	20.70	21.50
5	64QAM	12	7	20.69	20.57	20.55	21.50
5	64QAM	12	13	20.60	20.66	20.58	21.50
5	64QAM	25	0	20.51	20.61	20.60	21.50
5	256QAM	1	0	18.71	18.63	18.77	19.50
5	256QAM	1	12	18.85	18.83	18.74	19.50
5	256QAM	1	24	18.54	18.59	18.48	19.50



5	256QAM	12	0	18.63	18.55	18.61	19.50
5	256QAM	12	7	18.53	18.72	18.67	19.50
5	256QAM	12	13	18.70	18.53	18.71	19.50
5	256QAM	25	0	18.61	18.60	18.50	19.50

【LTE Band 13_Ant 0_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					23230		
Frequency (MHz)					782		
10	QPSK	1	0		21.66		22.50
10	QPSK	1	25		21.64		22.50
10	QPSK	1	49		21.64		22.50
10	QPSK	25	0		21.63		22.50
10	QPSK	25	12		21.60		22.50
10	QPSK	25	25		21.56		22.50
10	QPSK	50	0		21.53		22.50
10	16QAM	1	0		21.55		22.50
10	16QAM	1	25		21.65		22.50
10	16QAM	1	49		21.60		22.50
10	16QAM	25	0		21.68		22.50
10	16QAM	25	12		21.72		22.50
10	16QAM	25	25		21.54		22.50
10	16QAM	50	0		21.65		22.50
10	64QAM	1	0		21.62		22.50
10	64QAM	1	25		21.69		22.50
10	64QAM	1	49		21.59		22.50
10	64QAM	25	0		20.73		21.50
10	64QAM	25	12		20.74		21.50
10	64QAM	25	25		20.69		21.50
10	64QAM	50	0		20.70		21.50
10	256QAM	1	0		18.83		19.50
10	256QAM	1	25		18.88		19.50
10	256QAM	1	49		18.65		19.50
10	256QAM	25	0		18.75		19.50
10	256QAM	25	12		18.73		19.50
10	256QAM	25	25		18.70		19.50
10	256QAM	50	0		18.72		19.50
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	21.54	21.58	21.58	22.50
5	QPSK	1	12	21.66	21.57	21.66	22.50
5	QPSK	1	24	21.46	21.56	21.64	22.50
5	QPSK	12	0	21.58	21.48	21.60	22.50
5	QPSK	12	7	21.58	21.58	21.48	22.50
5	QPSK	12	13	21.57	21.46	21.39	22.50
5	QPSK	25	0	21.51	21.53	21.47	22.50
5	16QAM	1	0	21.45	21.54	21.43	22.50
5	16QAM	1	12	21.53	21.66	21.65	22.50
5	16QAM	1	24	21.52	21.62	21.50	22.50
5	16QAM	12	0	21.55	21.58	21.59	22.50
5	16QAM	12	7	21.74	21.73	21.73	22.50
5	16QAM	12	13	21.43	21.50	21.54	22.50
5	16QAM	25	0	21.59	21.47	21.64	22.50
5	64QAM	1	0	21.45	21.59	21.49	22.50
5	64QAM	1	12	21.62	21.53	21.63	22.50
5	64QAM	1	24	21.52	21.48	21.57	22.50
5	64QAM	12	0	20.64	20.63	20.68	21.50
5	64QAM	12	7	20.63	20.60	20.63	21.50
5	64QAM	12	13	20.57	20.70	20.54	21.50
5	64QAM	25	0	20.55	20.67	20.72	21.50
5	256QAM	1	0	18.76	18.66	18.69	19.50
5	256QAM	1	12	18.82	18.83	18.90	19.50
5	256QAM	1	24	18.50	18.59	18.58	19.50
5	256QAM	12	0	18.68	18.67	18.75	19.50
5	256QAM	12	7	18.65	18.69	18.69	19.50
5	256QAM	12	13	18.56	18.63	18.62	19.50
5	256QAM	25	0	18.64	18.69	18.69	19.50

**【LTE Band 13_Ant 0_Hotspot 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					23230		
Frequency (MHz)					782		
10	QPSK	1	0		21.66		22.50
10	QPSK	1	25		21.64		22.50
10	QPSK	1	49		21.64		22.50
10	QPSK	25	0		21.63		22.50
10	QPSK	25	12		21.60		22.50
10	QPSK	25	25		21.56		22.50
10	QPSK	50	0		21.53		22.50
10	16QAM	1	0		21.55		22.50
10	16QAM	1	25		21.65		22.50
10	16QAM	1	49		21.60		22.50
10	16QAM	25	0		21.68		22.50
10	16QAM	25	12		21.72		22.50
10	16QAM	25	25		21.54		22.50
10	16QAM	50	0		21.65		22.50
10	64QAM	1	0		21.62		22.50
10	64QAM	1	25		21.69		22.50
10	64QAM	1	49		21.59		22.50
10	64QAM	25	0		20.73		21.50
10	64QAM	25	12		20.74		21.50
10	64QAM	25	25		20.69		21.50
10	64QAM	50	0		20.70		21.50
10	256QAM	1	0		18.83		19.50
10	256QAM	1	25		18.88		19.50
10	256QAM	1	49		18.65		19.50
10	256QAM	25	0		18.75		19.50
10	256QAM	25	12		18.73		19.50
10	256QAM	25	25		18.70		19.50
10	256QAM	50	0		18.72		19.50
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	21.54	21.58	21.58	22.50
5	QPSK	1	12	21.66	21.57	21.66	22.50
5	QPSK	1	24	21.46	21.56	21.64	22.50
5	QPSK	12	0	21.58	21.48	21.60	22.50
5	QPSK	12	7	21.58	21.58	21.48	22.50
5	QPSK	12	13	21.57	21.46	21.39	22.50
5	QPSK	25	0	21.51	21.53	21.47	22.50
5	16QAM	1	0	21.45	21.54	21.43	22.50
5	16QAM	1	12	21.53	21.66	21.65	22.50
5	16QAM	1	24	21.52	21.62	21.50	22.50
5	16QAM	12	0	21.55	21.58	21.59	22.50
5	16QAM	12	7	21.74	21.73	21.73	22.50
5	16QAM	12	13	21.43	21.50	21.54	22.50
5	16QAM	25	0	21.59	21.47	21.64	22.50
5	64QAM	1	0	21.45	21.59	21.49	22.50
5	64QAM	1	12	21.62	21.53	21.63	22.50
5	64QAM	1	24	21.52	21.48	21.57	22.50
5	64QAM	12	0	20.64	20.63	20.68	21.50
5	64QAM	12	7	20.63	20.60	20.63	21.50
5	64QAM	12	13	20.57	20.70	20.54	21.50
5	64QAM	25	0	20.55	20.67	20.72	21.50
5	256QAM	1	0	18.76	18.66	18.69	19.50
5	256QAM	1	12	18.82	18.83	18.90	19.50
5	256QAM	1	24	18.50	18.59	18.58	19.50
5	256QAM	12	0	18.68	18.67	18.75	19.50
5	256QAM	12	7	18.65	18.69	18.69	19.50
5	256QAM	12	13	18.56	18.63	18.62	19.50
5	256QAM	25	0	18.64	18.69	18.69	19.50

**【LTE Band 17_Ant 0_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				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.74	23.79	23.65	24.50
10	QPSK	1	25	23.56	23.74	23.56	24.50
10	QPSK	1	49	23.52	23.63	23.38	24.50
10	QPSK	25	0	22.67	22.77	22.53	23.50
10	QPSK	25	12	22.65	22.72	22.54	23.50
10	QPSK	25	25	22.62	22.76	22.55	23.50
10	QPSK	50	0	22.63	22.73	22.51	23.50
10	16QAM	1	0	22.79	22.94	22.78	23.50
10	16QAM	1	25	22.85	22.94	22.67	23.50
10	16QAM	1	49	22.74	22.81	22.60	23.50
10	16QAM	25	0	21.65	21.74	21.59	22.50
10	16QAM	25	12	21.73	21.85	21.65	22.50
10	16QAM	25	25	21.76	21.90	21.76	22.50
10	16QAM	50	0	21.57	21.69	21.46	22.50
10	64QAM	1	0	21.83	21.91	21.76	22.50
10	64QAM	1	25	21.77	21.86	21.71	22.50
10	64QAM	1	49	21.72	21.87	21.62	22.50
10	64QAM	25	0	20.61	20.72	20.47	21.50
10	64QAM	25	12	20.65	20.74	20.47	21.50
10	64QAM	25	25	20.70	20.76	20.54	21.50
10	64QAM	50	0	20.62	20.72	20.58	21.50
10	256QAM	1	0	18.74	18.87	18.68	19.50
10	256QAM	1	25	18.84	18.94	18.72	19.50
10	256QAM	1	49	18.91	19.06	18.88	19.50
10	256QAM	25	0	18.63	18.74	18.53	19.50
10	256QAM	25	12	18.66	18.79	18.67	19.50
10	256QAM	25	25	18.96	19.11	18.94	19.50
10	256QAM	50	0	18.69	18.74	18.57	19.50
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.70	23.68	23.50	24.50
5	QPSK	1	12	23.42	23.67	23.42	24.50
5	QPSK	1	24	23.39	23.48	23.36	24.50
5	QPSK	12	0	22.54	22.75	22.42	23.50
5	QPSK	12	7	22.56	22.69	22.48	23.50
5	QPSK	12	13	22.61	22.64	22.43	23.50
5	QPSK	25	0	22.50	22.70	22.36	23.50
5	16QAM	1	0	22.75	22.80	22.66	23.50
5	16QAM	1	12	22.77	22.90	22.60	23.50
5	16QAM	1	24	22.64	22.69	22.52	23.50
5	16QAM	12	0	21.51	21.69	21.51	22.50
5	16QAM	12	7	21.62	21.82	21.60	22.50
5	16QAM	12	13	21.70	21.81	21.66	22.50
5	16QAM	25	0	21.44	21.54	21.41	22.50
5	64QAM	1	0	21.76	21.86	21.63	22.50
5	64QAM	1	12	21.63	21.81	21.69	22.50
5	64QAM	1	24	21.71	21.79	21.56	22.50
5	64QAM	12	0	20.57	20.70	20.33	21.50
5	64QAM	12	7	20.61	20.70	20.38	21.50
5	64QAM	12	13	20.66	20.66	20.51	21.50
5	64QAM	25	0	20.60	20.59	20.45	21.50
5	256QAM	1	0	18.72	18.77	18.59	19.50
5	256QAM	1	12	18.82	18.88	18.59	19.50
5	256QAM	1	24	18.83	19.01	18.85	19.50
5	256QAM	12	0	18.59	18.66	18.52	19.50
5	256QAM	12	7	18.54	18.67	18.55	19.50
5	256QAM	12	13	18.94	18.97	18.83	19.50
5	256QAM	25	0	18.67	18.72	18.45	19.50



【LTE Band 17_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.74	23.79	23.65	24.50
10	QPSK	1	25	23.56	23.74	23.56	24.50
10	QPSK	1	49	23.52	23.63	23.38	24.50
10	QPSK	25	0	22.67	22.77	22.53	23.50
10	QPSK	25	12	22.65	22.72	22.54	23.50
10	QPSK	25	25	22.62	22.76	22.55	23.50
10	QPSK	50	0	22.63	22.73	22.51	23.50
10	16QAM	1	0	22.79	22.94	22.78	23.50
10	16QAM	1	25	22.85	22.94	22.67	23.50
10	16QAM	1	49	22.74	22.81	22.60	23.50
10	16QAM	25	0	21.65	21.74	21.59	22.50
10	16QAM	25	12	21.73	21.85	21.65	22.50
10	16QAM	25	25	21.76	21.90	21.76	22.50
10	16QAM	50	0	21.57	21.69	21.46	22.50
10	64QAM	1	0	21.83	21.91	21.76	22.50
10	64QAM	1	25	21.77	21.86	21.71	22.50
10	64QAM	1	49	21.72	21.87	21.62	22.50
10	64QAM	25	0	20.61	20.72	20.47	21.50
10	64QAM	25	12	20.65	20.74	20.47	21.50
10	64QAM	25	25	20.70	20.76	20.54	21.50
10	64QAM	50	0	20.62	20.72	20.58	21.50
10	256QAM	1	0	18.74	18.87	18.68	19.50
10	256QAM	1	25	18.84	18.94	18.72	19.50
10	256QAM	1	49	18.91	19.06	18.88	19.50
10	256QAM	25	0	18.63	18.74	18.53	19.50
10	256QAM	25	12	18.66	18.79	18.67	19.50
10	256QAM	25	25	18.96	19.11	18.94	19.50
10	256QAM	50	0	18.69	18.74	18.57	19.50
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.70	23.68	23.50	24.50
5	QPSK	1	12	23.42	23.67	23.42	24.50
5	QPSK	1	24	23.39	23.48	23.36	24.50
5	QPSK	12	0	22.54	22.75	22.42	23.50
5	QPSK	12	7	22.56	22.69	22.48	23.50
5	QPSK	12	13	22.61	22.64	22.43	23.50
5	QPSK	25	0	22.50	22.70	22.36	23.50
5	16QAM	1	0	22.75	22.80	22.66	23.50
5	16QAM	1	12	22.77	22.90	22.60	23.50
5	16QAM	1	24	22.64	22.69	22.52	23.50
5	16QAM	12	0	21.51	21.69	21.51	22.50
5	16QAM	12	7	21.62	21.82	21.60	22.50
5	16QAM	12	13	21.70	21.81	21.66	22.50
5	16QAM	25	0	21.44	21.54	21.41	22.50
5	64QAM	1	0	21.76	21.86	21.63	22.50
5	64QAM	1	12	21.63	21.81	21.69	22.50
5	64QAM	1	24	21.71	21.79	21.56	22.50
5	64QAM	12	0	20.57	20.70	20.33	21.50
5	64QAM	12	7	20.61	20.70	20.38	21.50
5	64QAM	12	13	20.66	20.66	20.51	21.50
5	64QAM	25	0	20.60	20.59	20.45	21.50
5	256QAM	1	0	18.72	18.77	18.59	19.50
5	256QAM	1	12	18.82	18.88	18.59	19.50
5	256QAM	1	24	18.83	19.01	18.85	19.50
5	256QAM	12	0	18.59	18.66	18.52	19.50
5	256QAM	12	7	18.54	18.67	18.55	19.50
5	256QAM	12	13	18.94	18.97	18.83	19.50
5	256QAM	25	0	18.67	18.72	18.45	19.50



【LTE Band 17_Ant 0_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				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	21.25	21.32	21.18	22.00
10	QPSK	1	25	21.25	21.30	21.07	22.00
10	QPSK	1	49	21.19	21.24	21.06	22.00
10	QPSK	25	0	21.24	21.27	21.08	22.00
10	QPSK	25	12	21.26	21.22	21.09	22.00
10	QPSK	25	25	21.28	21.21	21.08	22.00
10	QPSK	50	0	21.28	21.39	21.21	22.00
10	16QAM	1	0	21.34	21.33	21.06	22.00
10	16QAM	1	25	21.31	21.32	21.23	22.00
10	16QAM	1	49	21.16	21.21	21.15	22.00
10	16QAM	25	0	21.29	21.32	21.08	22.00
10	16QAM	25	12	21.24	21.33	21.07	22.00
10	16QAM	25	25	21.16	21.37	21.21	22.00
10	16QAM	50	0	21.15	21.32	21.09	22.00
10	64QAM	1	0	21.28	21.35	21.18	22.00
10	64QAM	1	25	21.25	21.20	21.20	22.00
10	64QAM	1	49	21.19	21.34	21.12	22.00
10	64QAM	25	0	20.61	20.72	20.47	21.50
10	64QAM	25	12	20.65	20.74	20.47	21.50
10	64QAM	25	25	20.70	20.76	20.54	21.50
10	64QAM	50	0	20.62	20.72	20.58	21.50
10	256QAM	1	0	18.74	18.87	18.68	19.50
10	256QAM	1	25	18.84	18.94	18.72	19.50
10	256QAM	1	49	18.91	19.06	18.88	19.50
10	256QAM	25	0	18.63	18.74	18.53	19.50
10	256QAM	25	12	18.66	18.79	18.67	19.50
10	256QAM	25	25	18.96	19.11	18.94	19.50
10	256QAM	50	0	18.69	18.74	18.57	19.50
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	21.20	21.22	21.05	22.00
5	QPSK	1	12	21.13	21.24	20.96	22.00
5	QPSK	1	24	21.14	21.19	21.03	22.00
5	QPSK	12	0	21.12	21.15	20.95	22.00
5	QPSK	12	7	21.25	21.18	21.03	22.00
5	QPSK	12	13	21.13	21.13	20.98	22.00
5	QPSK	25	0	21.18	21.31	21.13	22.00
5	16QAM	1	0	21.25	21.18	21.04	22.00
5	16QAM	1	12	21.23	21.30	21.09	22.00
5	16QAM	1	24	21.14	21.07	21.02	22.00
5	16QAM	12	0	21.25	21.21	20.95	22.00
5	16QAM	12	7	21.23	21.19	21.00	22.00
5	16QAM	12	13	21.02	21.32	21.11	22.00
5	16QAM	25	0	21.08	21.25	21.03	22.00
5	64QAM	1	0	21.15	21.25	21.11	22.00
5	64QAM	1	12	21.12	21.14	21.16	22.00
5	64QAM	1	24	21.07	21.31	20.99	22.00
5	64QAM	12	0	20.59	20.63	20.40	21.50
5	64QAM	12	7	20.58	20.64	20.39	21.50
5	64QAM	12	13	20.63	20.65	20.43	21.50
5	64QAM	25	0	20.56	20.59	20.44	21.50
5	256QAM	1	0	18.60	18.84	18.63	19.50
5	256QAM	1	12	18.76	18.84	18.67	19.50
5	256QAM	1	24	18.83	18.93	18.85	19.50
5	256QAM	12	0	18.50	18.64	18.38	19.50
5	256QAM	12	7	18.63	18.73	18.64	19.50
5	256QAM	12	13	18.84	19.06	18.90	19.50
5	256QAM	25	0	18.62	18.68	18.51	19.50



【LTE Band 17_Ant 0_Hotspot 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				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	21.25	21.32	21.18	22.00
10	QPSK	1	25	21.25	21.30	21.07	22.00
10	QPSK	1	49	21.19	21.24	21.06	22.00
10	QPSK	25	0	21.24	21.27	21.08	22.00
10	QPSK	25	12	21.26	21.22	21.09	22.00
10	QPSK	25	25	21.28	21.21	21.08	22.00
10	QPSK	50	0	21.28	21.39	21.21	22.00
10	16QAM	1	0	21.34	21.33	21.06	22.00
10	16QAM	1	25	21.31	21.32	21.23	22.00
10	16QAM	1	49	21.16	21.21	21.15	22.00
10	16QAM	25	0	21.29	21.32	21.08	22.00
10	16QAM	25	12	21.24	21.33	21.07	22.00
10	16QAM	25	25	21.16	21.37	21.21	22.00
10	16QAM	50	0	21.15	21.32	21.09	22.00
10	64QAM	1	0	21.28	21.35	21.18	22.00
10	64QAM	1	25	21.25	21.20	21.20	22.00
10	64QAM	1	49	21.19	21.34	21.12	22.00
10	64QAM	25	0	20.61	20.72	20.47	21.50
10	64QAM	25	12	20.65	20.74	20.47	21.50
10	64QAM	25	25	20.70	20.76	20.54	21.50
10	64QAM	50	0	20.62	20.72	20.58	21.50
10	256QAM	1	0	18.74	18.87	18.68	19.50
10	256QAM	1	25	18.84	18.94	18.72	19.50
10	256QAM	1	49	18.91	19.06	18.88	19.50
10	256QAM	25	0	18.63	18.74	18.53	19.50
10	256QAM	25	12	18.66	18.79	18.67	19.50
10	256QAM	25	25	18.96	19.11	18.94	19.50
10	256QAM	50	0	18.69	18.74	18.57	19.50
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	21.20	21.22	21.05	22.00
5	QPSK	1	12	21.13	21.24	20.96	22.00
5	QPSK	1	24	21.14	21.19	21.03	22.00
5	QPSK	12	0	21.12	21.15	20.95	22.00
5	QPSK	12	7	21.25	21.18	21.03	22.00
5	QPSK	12	13	21.13	21.13	20.98	22.00
5	QPSK	25	0	21.18	21.31	21.13	22.00
5	16QAM	1	0	21.25	21.18	21.04	22.00
5	16QAM	1	12	21.23	21.30	21.09	22.00
5	16QAM	1	24	21.14	21.07	21.02	22.00
5	16QAM	12	0	21.25	21.21	20.95	22.00
5	16QAM	12	7	21.23	21.19	21.00	22.00
5	16QAM	12	13	21.02	21.32	21.11	22.00
5	16QAM	25	0	21.08	21.25	21.03	22.00
5	64QAM	1	0	21.15	21.25	21.11	22.00
5	64QAM	1	12	21.12	21.14	21.16	22.00
5	64QAM	1	24	21.07	21.31	20.99	22.00
5	64QAM	12	0	20.59	20.63	20.40	21.50
5	64QAM	12	7	20.58	20.64	20.39	21.50
5	64QAM	12	13	20.63	20.65	20.43	21.50
5	64QAM	25	0	20.56	20.59	20.44	21.50
5	256QAM	1	0	18.60	18.84	18.63	19.50
5	256QAM	1	12	18.76	18.84	18.67	19.50
5	256QAM	1	24	18.83	18.93	18.85	19.50
5	256QAM	12	0	18.50	18.64	18.38	19.50
5	256QAM	12	7	18.63	18.73	18.64	19.50
5	256QAM	12	13	18.84	19.06	18.90	19.50
5	256QAM	25	0	18.62	18.68	18.51	19.50



【LTE Band 25_Ant 0_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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.19	23.28	23.26	24.00
20	QPSK	1	49	23.13	23.25	23.15	24.00
20	QPSK	1	99	23.05	23.15	23.10	24.00
20	QPSK	50	0	22.15	22.34	22.30	23.00
20	QPSK	50	24	22.20	22.32	22.16	23.00
20	QPSK	50	50	22.11	22.31	22.25	23.00
20	QPSK	100	0	22.28	22.44	22.34	23.00
20	16QAM	1	0	22.24	22.42	22.26	23.00
20	16QAM	1	49	22.16	22.37	22.30	23.00
20	16QAM	1	99	22.14	22.25	22.20	23.00
20	16QAM	50	0	21.22	21.42	21.25	22.00
20	16QAM	50	24	21.38	21.48	21.33	22.00
20	16QAM	50	50	21.19	21.38	21.27	22.00
20	16QAM	100	0	21.26	21.46	21.30	22.00
20	64QAM	1	0	21.19	21.30	21.21	22.00
20	64QAM	1	49	21.17	21.33	21.18	22.00
20	64QAM	1	99	21.16	21.39	21.27	22.00
20	64QAM	50	0	20.20	20.29	20.12	21.00
20	64QAM	50	24	20.36	20.49	20.35	21.00
20	64QAM	50	50	20.15	20.34	20.19	21.00
20	64QAM	100	0	20.23	20.43	20.28	21.00
20	256QAM	1	0	18.35	18.52	18.46	19.00
20	256QAM	1	49	18.26	18.36	18.29	19.00
20	256QAM	1	99	18.64	18.76	18.69	19.00
20	256QAM	50	0	18.23	18.42	18.29	19.00
20	256QAM	50	24	18.32	18.46	18.39	19.00
20	256QAM	50	50	18.45	18.54	18.51	19.00
20	256QAM	100	0	18.36	18.52	18.37	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.07	23.27	23.14	24.00
15	QPSK	1	37	23.01	23.22	23.03	24.00
15	QPSK	1	74	22.90	23.08	22.99	24.00
15	QPSK	36	0	22.01	22.27	22.25	23.00
15	QPSK	36	20	22.07	22.26	22.12	23.00
15	QPSK	36	39	21.99	22.28	22.16	23.00
15	QPSK	75	0	22.27	22.39	22.25	23.00
15	16QAM	1	0	22.21	22.32	22.24	23.00
15	16QAM	1	37	22.06	22.24	22.15	23.00
15	16QAM	1	74	22.07	22.18	22.18	23.00
15	16QAM	36	0	21.14	21.40	21.12	22.00
15	16QAM	36	20	21.37	21.45	21.20	22.00
15	16QAM	36	39	21.16	21.35	21.21	22.00
15	16QAM	75	0	21.23	21.44	21.28	22.00
15	64QAM	1	0	21.16	21.26	21.10	22.00
15	64QAM	1	37	21.07	21.21	21.10	22.00
15	64QAM	1	74	21.10	21.31	21.14	22.00
15	64QAM	36	0	20.18	20.28	20.00	21.00
15	64QAM	36	20	20.23	20.37	20.31	21.00
15	64QAM	36	39	20.03	20.22	20.09	21.00
15	64QAM	75	0	20.19	20.30	20.15	21.00
15	256QAM	1	0	18.31	18.50	18.43	19.00
15	256QAM	1	37	18.17	18.24	18.19	19.00
15	256QAM	1	74	18.49	18.70	18.63	19.00
15	256QAM	36	0	18.14	18.31	18.27	19.00
15	256QAM	36	20	18.22	18.40	18.32	19.00
15	256QAM	36	39	18.40	18.43	18.44	19.00
15	256QAM	75	0	18.26	18.37	18.25	19.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.09	23.24	23.14	24.00
10	QPSK	1	25	23.09	23.20	23.05	24.00
10	QPSK	1	49	22.91	23.09	23.07	24.00
10	QPSK	25	0	22.03	22.26	22.23	23.00
10	QPSK	25	12	22.11	22.26	22.11	23.00
10	QPSK	25	25	22.04	22.23	22.23	23.00
10	QPSK	50	0	22.22	22.43	22.31	23.00
10	16QAM	1	0	22.13	22.34	22.12	23.00
10	16QAM	1	25	22.08	22.34	22.16	23.00
10	16QAM	1	49	22.11	22.23	22.15	23.00
10	16QAM	25	0	21.08	21.32	21.14	22.00



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10	16QAM	25	12	21.25	21.46	21.31	22.00
10	16QAM	25	25	21.11	21.36	21.13	22.00
10	16QAM	50	0	21.16	21.43	21.24	22.00
10	64QAM	1	0	21.17	21.28	21.19	22.00
10	64QAM	1	25	21.04	21.29	21.12	22.00
10	64QAM	1	49	21.06	21.28	21.15	22.00
10	64QAM	25	0	20.17	20.26	20.10	21.00
10	64QAM	25	12	20.34	20.41	20.30	21.00
10	64QAM	25	25	20.10	20.24	20.16	21.00
10	64QAM	50	0	20.18	20.34	20.16	21.00
10	256QAM	1	0	18.28	18.39	18.32	19.00
10	256QAM	1	25	18.15	18.32	18.17	19.00
10	256QAM	1	49	18.51	18.71	18.56	19.00
10	256QAM	25	0	18.16	18.37	18.16	19.00
10	256QAM	25	12	18.25	18.44	18.35	19.00
10	256QAM	25	25	18.40	18.48	18.39	19.00
10	256QAM	50	0	18.28	18.39	18.22	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.15	23.21	23.11	24.00
5	QPSK	1	12	23.00	23.14	23.05	24.00
5	QPSK	1	24	22.96	23.12	22.99	24.00
5	QPSK	12	0	22.14	22.23	22.16	23.00
5	QPSK	12	7	22.10	22.27	22.07	23.00
5	QPSK	12	13	21.99	22.21	22.23	23.00
5	QPSK	25	0	22.26	22.40	22.25	23.00
5	16QAM	1	0	22.19	22.35	22.16	23.00
5	16QAM	1	12	22.12	22.27	22.27	23.00
5	16QAM	1	24	22.10	22.18	22.18	23.00
5	16QAM	12	0	21.12	21.30	21.19	22.00
5	16QAM	12	7	21.24	21.34	21.23	22.00
5	16QAM	12	13	21.11	21.31	21.25	22.00
5	16QAM	25	0	21.20	21.31	21.23	22.00
5	64QAM	1	0	21.10	21.16	21.09	22.00
5	64QAM	1	12	21.14	21.24	21.06	22.00
5	64QAM	1	24	21.08	21.32	21.16	22.00
5	64QAM	12	0	20.07	20.19	19.99	21.00
5	64QAM	12	7	20.22	20.46	20.26	21.00
5	64QAM	12	13	20.04	20.32	20.11	21.00
5	64QAM	25	0	20.18	20.36	20.17	21.00
5	256QAM	1	0	18.24	18.45	18.44	19.00
5	256QAM	1	12	18.16	18.22	18.21	19.00
5	256QAM	1	24	18.51	18.67	18.57	19.00
5	256QAM	12	0	18.10	18.40	18.23	19.00
5	256QAM	12	7	18.30	18.36	18.33	19.00
5	256QAM	12	13	18.43	18.43	18.48	19.00
5	256QAM	25	0	18.27	18.42	18.32	19.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.07	23.27	23.17	24.00
3	QPSK	1	8	23.00	23.22	23.01	24.00
3	QPSK	1	14	22.97	23.14	22.95	24.00
3	QPSK	8	0	22.08	22.27	22.16	23.00
3	QPSK	8	4	22.17	22.26	22.13	23.00
3	QPSK	8	7	22.08	22.21	22.15	23.00
3	QPSK	15	0	22.21	22.39	22.23	23.00
3	16QAM	1	0	22.10	22.27	22.16	23.00
3	16QAM	1	8	22.05	22.35	22.21	23.00
3	16QAM	1	14	22.07	22.20	22.13	23.00
3	16QAM	8	0	21.12	21.29	21.12	22.00
3	16QAM	8	4	21.28	21.43	21.27	22.00
3	16QAM	8	7	21.09	21.34	21.12	22.00
3	16QAM	15	0	21.19	21.42	21.24	22.00
3	64QAM	1	0	21.14	21.29	21.17	22.00
3	64QAM	1	8	21.08	21.23	21.12	22.00
3	64QAM	1	14	21.01	21.32	21.26	22.00
3	64QAM	8	0	20.09	20.21	20.00	21.00
3	64QAM	8	4	20.26	20.39	20.26	21.00
3	64QAM	8	7	20.12	20.26	20.17	21.00
3	64QAM	15	0	20.10	20.40	20.18	21.00
3	256QAM	1	0	18.24	18.42	18.42	19.00
3	256QAM	1	8	18.22	18.32	18.14	19.00
3	256QAM	1	14	18.54	18.68	18.59	19.00
3	256QAM	8	0	18.09	18.34	18.21	19.00
3	256QAM	8	4	18.18	18.33	18.32	19.00
3	256QAM	8	7	18.37	18.41	18.38	19.00
3	256QAM	15	0	18.30	18.42	18.34	19.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	23.12	23.22	23.15	24.00
1.4	QPSK	1	3	23.04	23.20	23.10	24.00
1.4	QPSK	1	5	22.93	23.08	23.05	24.00
1.4	QPSK	3	0	23.12	23.28	23.23	24.00
1.4	QPSK	3	1	23.05	23.22	23.04	24.00
1.4	QPSK	3	3	23.09	23.17	23.22	24.00
1.4	QPSK	6	0	22.26	22.42	22.25	23.00
1.4	16QAM	1	0	22.16	22.28	22.16	23.00
1.4	16QAM	1	3	22.10	22.23	22.28	23.00
1.4	16QAM	1	5	22.11	22.11	22.08	23.00
1.4	16QAM	3	0	22.12	22.30	22.15	23.00
1.4	16QAM	3	1	22.32	22.38	22.29	23.00
1.4	16QAM	3	3	22.10	22.31	22.14	23.00
1.4	16QAM	6	0	21.16	21.33	21.28	22.00
1.4	64QAM	1	0	21.10	21.27	21.18	22.00
1.4	64QAM	1	3	21.14	21.31	21.04	22.00
1.4	64QAM	1	5	21.08	21.34	21.25	22.00
1.4	64QAM	3	0	21.05	21.14	21.00	22.00
1.4	64QAM	3	1	21.29	21.48	21.29	22.00
1.4	64QAM	3	3	21.11	21.22	21.08	22.00
1.4	64QAM	6	0	20.15	20.40	20.21	21.00
1.4	256QAM	1	0	18.30	18.40	18.38	19.00
1.4	256QAM	1	3	18.22	18.29	18.16	19.00
1.4	256QAM	1	5	18.51	18.73	18.60	19.00
1.4	256QAM	3	0	18.19	18.41	18.19	19.00
1.4	256QAM	3	1	18.23	18.42	18.26	19.00
1.4	256QAM	3	3	18.41	18.41	18.43	19.00
1.4	256QAM	6	0	18.27	18.45	18.30	19.00

【LTE Band 25_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.19	23.28	23.26	24.00
20	QPSK	1	49	23.13	23.25	23.15	24.00
20	QPSK	1	99	23.05	23.15	23.10	24.00
20	QPSK	50	0	22.15	22.34	22.30	23.00
20	QPSK	50	24	22.20	22.32	22.16	23.00
20	QPSK	50	50	22.11	22.31	22.25	23.00
20	QPSK	100	0	22.28	22.44	22.34	23.00
20	16QAM	1	0	22.24	22.42	22.26	23.00
20	16QAM	1	49	22.16	22.37	22.30	23.00
20	16QAM	1	99	22.14	22.25	22.20	23.00
20	16QAM	50	0	21.22	21.42	21.25	22.00
20	16QAM	50	24	21.38	21.48	21.33	22.00
20	16QAM	50	50	21.19	21.38	21.27	22.00
20	16QAM	100	0	21.26	21.46	21.30	22.00
20	64QAM	1	0	21.19	21.30	21.21	22.00
20	64QAM	1	49	21.17	21.33	21.18	22.00
20	64QAM	1	99	21.16	21.39	21.27	22.00
20	64QAM	50	0	20.20	20.29	20.12	21.00
20	64QAM	50	24	20.36	20.49	20.35	21.00
20	64QAM	50	50	20.15	20.34	20.19	21.00
20	64QAM	100	0	20.23	20.43	20.28	21.00
20	256QAM	1	0	18.35	18.52	18.46	19.00
20	256QAM	1	49	18.26	18.36	18.29	19.00
20	256QAM	1	99	18.64	18.76	18.69	19.00
20	256QAM	50	0	18.23	18.42	18.29	19.00
20	256QAM	50	24	18.32	18.46	18.39	19.00
20	256QAM	50	50	18.45	18.54	18.51	19.00
20	256QAM	100	0	18.36	18.52	18.37	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.07	23.27	23.14	24.00
15	QPSK	1	37	23.01	23.22	23.03	24.00
15	QPSK	1	74	22.90	23.08	22.99	24.00
15	QPSK	36	0	22.01	22.27	22.25	23.00
15	QPSK	36	20	22.07	22.26	22.12	23.00
15	QPSK	36	39	21.99	22.28	22.16	23.00
15	QPSK	75	0	22.27	22.39	22.25	23.00



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15	16QAM	1	0	22.21	22.32	22.24	23.00
15	16QAM	1	37	22.06	22.24	22.15	23.00
15	16QAM	1	74	22.07	22.18	22.18	23.00
15	16QAM	36	0	21.14	21.40	21.12	22.00
15	16QAM	36	20	21.37	21.45	21.20	22.00
15	16QAM	36	39	21.16	21.35	21.21	22.00
15	16QAM	75	0	21.23	21.44	21.28	22.00
15	64QAM	1	0	21.16	21.26	21.10	22.00
15	64QAM	1	37	21.07	21.21	21.10	22.00
15	64QAM	1	74	21.10	21.31	21.14	22.00
15	64QAM	36	0	20.18	20.28	20.00	21.00
15	64QAM	36	20	20.23	20.37	20.31	21.00
15	64QAM	36	39	20.03	20.22	20.09	21.00
15	64QAM	75	0	20.19	20.30	20.15	21.00
15	256QAM	1	0	18.31	18.50	18.43	19.00
15	256QAM	1	37	18.17	18.24	18.19	19.00
15	256QAM	1	74	18.49	18.70	18.63	19.00
15	256QAM	36	0	18.14	18.31	18.27	19.00
15	256QAM	36	20	18.22	18.40	18.32	19.00
15	256QAM	36	39	18.40	18.43	18.44	19.00
15	256QAM	75	0	18.26	18.37	18.25	19.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	23.09	23.24	23.14	24.00
10	QPSK	1	25	23.09	23.20	23.05	24.00
10	QPSK	1	49	22.91	23.09	23.07	24.00
10	QPSK	25	0	22.03	22.26	22.23	23.00
10	QPSK	25	12	22.11	22.26	22.11	23.00
10	QPSK	25	25	22.04	22.23	22.23	23.00
10	QPSK	50	0	22.22	22.43	22.31	23.00
10	16QAM	1	0	22.13	22.34	22.12	23.00
10	16QAM	1	25	22.08	22.34	22.16	23.00
10	16QAM	1	49	22.11	22.23	22.15	23.00
10	16QAM	25	0	21.08	21.32	21.14	22.00
10	16QAM	25	12	21.25	21.46	21.31	22.00
10	16QAM	25	25	21.11	21.36	21.13	22.00
10	16QAM	50	0	21.16	21.43	21.24	22.00
10	64QAM	1	0	21.17	21.28	21.19	22.00
10	64QAM	1	25	21.04	21.29	21.12	22.00
10	64QAM	1	49	21.06	21.28	21.15	22.00
10	64QAM	25	0	20.17	20.26	20.10	21.00
10	64QAM	25	12	20.34	20.41	20.30	21.00
10	64QAM	25	25	20.10	20.24	20.16	21.00
10	64QAM	50	0	20.18	20.34	20.16	21.00
10	256QAM	1	0	18.28	18.39	18.32	19.00
10	256QAM	1	25	18.15	18.32	18.17	19.00
10	256QAM	1	49	18.51	18.71	18.56	19.00
10	256QAM	25	0	18.16	18.37	18.16	19.00
10	256QAM	25	12	18.25	18.44	18.35	19.00
10	256QAM	25	25	18.40	18.48	18.39	19.00
10	256QAM	50	0	18.28	18.39	18.22	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.15	23.21	23.11	24.00
5	QPSK	1	12	23.00	23.14	23.05	24.00
5	QPSK	1	24	22.96	23.12	22.99	24.00
5	QPSK	12	0	22.14	22.23	22.16	23.00
5	QPSK	12	7	22.10	22.27	22.07	23.00
5	QPSK	12	13	21.99	22.21	22.23	23.00
5	QPSK	25	0	22.26	22.40	22.25	23.00
5	16QAM	1	0	22.19	22.35	22.16	23.00
5	16QAM	1	12	22.12	22.27	22.27	23.00
5	16QAM	1	24	22.10	22.18	22.18	23.00
5	16QAM	12	0	21.12	21.30	21.19	22.00
5	16QAM	12	7	21.24	21.34	21.23	22.00
5	16QAM	12	13	21.11	21.31	21.25	22.00
5	16QAM	25	0	21.20	21.31	21.23	22.00
5	64QAM	1	0	21.10	21.16	21.09	22.00
5	64QAM	1	12	21.14	21.24	21.06	22.00
5	64QAM	1	24	21.08	21.32	21.16	22.00
5	64QAM	12	0	20.07	20.19	19.99	21.00
5	64QAM	12	7	20.22	20.46	20.26	21.00
5	64QAM	12	13	20.04	20.32	20.11	21.00
5	64QAM	25	0	20.18	20.36	20.17	21.00
5	256QAM	1	0	18.24	18.45	18.44	19.00
5	256QAM	1	12	18.16	18.22	18.21	19.00
5	256QAM	1	24	18.51	18.67	18.57	19.00
5	256QAM	12	0	18.10	18.40	18.23	19.00



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5	256QAM	12	7	18.30	18.36	18.33	19.00
5	256QAM	12	13	18.43	18.43	18.48	19.00
5	256QAM	25	0	18.27	18.42	18.32	19.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.07	23.27	23.17	24.00
3	QPSK	1	8	23.00	23.22	23.01	24.00
3	QPSK	1	14	22.97	23.14	22.95	24.00
3	QPSK	8	0	22.08	22.27	22.16	23.00
3	QPSK	8	4	22.17	22.26	22.13	23.00
3	QPSK	8	7	22.08	22.21	22.15	23.00
3	QPSK	15	0	22.21	22.39	22.23	23.00
3	16QAM	1	0	22.10	22.27	22.16	23.00
3	16QAM	1	8	22.05	22.35	22.21	23.00
3	16QAM	1	14	22.07	22.20	22.13	23.00
3	16QAM	8	0	21.12	21.29	21.12	22.00
3	16QAM	8	4	21.28	21.43	21.27	22.00
3	16QAM	8	7	21.09	21.34	21.12	22.00
3	16QAM	15	0	21.19	21.42	21.24	22.00
3	64QAM	1	0	21.14	21.29	21.17	22.00
3	64QAM	1	8	21.08	21.23	21.12	22.00
3	64QAM	1	14	21.01	21.32	21.26	22.00
3	64QAM	8	0	20.09	20.21	20.00	21.00
3	64QAM	8	4	20.26	20.39	20.26	21.00
3	64QAM	8	7	20.12	20.26	20.17	21.00
3	64QAM	15	0	20.10	20.40	20.18	21.00
3	256QAM	1	0	18.24	18.42	18.42	19.00
3	256QAM	1	8	18.22	18.32	18.14	19.00
3	256QAM	1	14	18.54	18.68	18.59	19.00
3	256QAM	8	0	18.09	18.34	18.21	19.00
3	256QAM	8	4	18.18	18.33	18.32	19.00
3	256QAM	8	7	18.37	18.41	18.38	19.00
3	256QAM	15	0	18.30	18.42	18.34	19.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.12	23.22	23.15	24.00
1.4	QPSK	1	3	23.04	23.20	23.10	24.00
1.4	QPSK	1	5	22.93	23.08	23.05	24.00
1.4	QPSK	3	0	23.12	23.28	23.23	24.00
1.4	QPSK	3	1	23.05	23.22	23.04	24.00
1.4	QPSK	3	3	23.09	23.17	23.22	24.00
1.4	QPSK	6	0	22.26	22.42	22.25	23.00
1.4	16QAM	1	0	22.16	22.28	22.16	23.00
1.4	16QAM	1	3	22.10	22.23	22.28	23.00
1.4	16QAM	1	5	22.11	22.11	22.08	23.00
1.4	16QAM	3	0	22.12	22.30	22.15	23.00
1.4	16QAM	3	1	22.32	22.38	22.29	23.00
1.4	16QAM	3	3	22.10	22.31	22.14	23.00
1.4	16QAM	6	0	21.16	21.33	21.28	22.00
1.4	64QAM	1	0	21.10	21.27	21.18	22.00
1.4	64QAM	1	3	21.14	21.31	21.04	22.00
1.4	64QAM	1	5	21.08	21.34	21.25	22.00
1.4	64QAM	3	0	21.05	21.14	21.00	22.00
1.4	64QAM	3	1	21.29	21.48	21.29	22.00
1.4	64QAM	3	3	21.11	21.22	21.08	22.00
1.4	64QAM	6	0	20.15	20.40	20.21	21.00
1.4	256QAM	1	0	18.30	18.40	18.38	19.00
1.4	256QAM	1	3	18.22	18.29	18.16	19.00
1.4	256QAM	1	5	18.51	18.73	18.60	19.00
1.4	256QAM	3	0	18.19	18.41	18.19	19.00
1.4	256QAM	3	1	18.23	18.42	18.26	19.00
1.4	256QAM	3	3	18.41	18.41	18.43	19.00
1.4	256QAM	6	0	18.27	18.45	18.30	19.00



【LTE Band 25_Ant 0_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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	15.28	15.37	15.33	16.00
20	QPSK	1	49	15.22	15.36	15.19	16.00
20	QPSK	1	99	15.26	15.25	15.27	16.00
20	QPSK	50	0	15.33	15.35	15.30	16.00
20	QPSK	50	24	15.25	15.35	15.28	16.00
20	QPSK	50	50	15.22	15.28	15.14	16.00
20	QPSK	100	0	15.30	15.35	15.23	16.00
20	16QAM	1	0	15.13	15.18	15.30	16.00
20	16QAM	1	49	15.19	15.33	15.18	16.00
20	16QAM	1	99	15.24	15.34	15.25	16.00
20	16QAM	50	0	15.20	15.32	15.26	16.00
20	16QAM	50	24	15.15	15.25	15.37	16.00
20	16QAM	50	50	15.28	15.30	15.35	16.00
20	16QAM	100	0	15.23	15.30	15.34	16.00
20	64QAM	1	0	15.29	15.34	15.27	16.00
20	64QAM	1	49	15.27	15.23	15.17	16.00
20	64QAM	1	99	15.30	15.35	15.28	16.00
20	64QAM	50	0	15.15	15.32	15.25	16.00
20	64QAM	50	24	15.19	15.29	15.30	16.00
20	64QAM	50	50	15.26	15.17	15.30	16.00
20	64QAM	100	0	15.14	15.27	15.33	16.00
20	256QAM	1	0	15.14	15.38	15.29	16.00
20	256QAM	1	49	15.20	15.18	15.18	16.00
20	256QAM	1	99	15.18	15.27	15.23	16.00
20	256QAM	50	0	15.30	15.19	15.23	16.00
20	256QAM	50	24	15.30	15.35	15.29	16.00
20	256QAM	50	50	15.31	15.21	15.32	16.00
20	256QAM	100	0	15.13	15.23	15.23	16.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	15.23	15.31	15.25	16.00
15	QPSK	1	37	15.18	15.31	15.09	16.00
15	QPSK	1	74	15.18	15.11	15.23	16.00
15	QPSK	36	0	15.13	15.34	15.12	16.00
15	QPSK	36	20	15.16	15.31	15.18	16.00
15	QPSK	36	39	15.15	15.19	15.08	16.00
15	QPSK	75	0	15.27	15.33	15.12	16.00
15	16QAM	1	0	15.04	15.11	15.21	16.00
15	16QAM	1	37	15.17	15.28	15.15	16.00
15	16QAM	1	74	15.22	15.20	15.16	16.00
15	16QAM	36	0	15.05	15.21	15.14	16.00
15	16QAM	36	20	15.10	15.18	15.23	16.00
15	16QAM	36	39	15.22	15.19	15.21	16.00
15	16QAM	75	0	15.21	15.27	15.25	16.00
15	64QAM	1	0	15.26	15.21	15.18	16.00
15	64QAM	1	37	15.13	15.19	15.10	16.00
15	64QAM	1	74	15.28	15.27	15.20	16.00
15	64QAM	36	0	15.00	15.18	15.22	16.00
15	64QAM	36	20	15.16	15.15	15.22	16.00
15	64QAM	36	39	15.12	15.07	15.27	16.00
15	64QAM	75	0	15.05	15.14	15.31	16.00
15	256QAM	1	0	15.04	15.28	15.27	16.00
15	256QAM	1	37	15.18	15.05	15.17	16.00
15	256QAM	1	74	15.16	15.15	15.15	16.00
15	256QAM	36	0	15.17	15.09	15.10	16.00
15	256QAM	36	20	15.28	15.29	15.27	16.00
15	256QAM	36	39	15.17	15.11	15.17	16.00
15	256QAM	75	0	15.05	15.14	15.17	16.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	15.19	15.36	15.27	16.00
10	QPSK	1	25	15.14	15.23	15.11	16.00
10	QPSK	1	49	15.20	15.15	15.18	16.00
10	QPSK	25	0	15.12	15.24	15.15	16.00
10	QPSK	25	12	15.17	15.28	15.18	16.00
10	QPSK	25	25	15.18	15.17	15.11	16.00
10	QPSK	50	0	15.16	15.20	15.10	16.00
10	16QAM	1	0	15.01	15.08	15.28	16.00
10	16QAM	1	25	15.04	15.25	15.17	16.00
10	16QAM	1	49	15.20	15.26	15.18	16.00
10	16QAM	25	0	15.18	15.26	15.23	16.00



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10	16QAM	25	12	15.06	15.18	15.24	16.00
10	16QAM	25	25	15.21	15.23	15.31	16.00
10	16QAM	50	0	15.20	15.24	15.26	16.00
10	64QAM	1	0	15.22	15.26	15.21	16.00
10	64QAM	1	25	15.23	15.09	15.03	16.00
10	64QAM	1	49	15.17	15.27	15.18	16.00
10	64QAM	25	0	15.11	15.19	15.18	16.00
10	64QAM	25	12	15.16	15.27	15.25	16.00
10	64QAM	25	25	15.15	15.11	15.24	16.00
10	64QAM	50	0	15.08	15.18	15.28	16.00
10	256QAM	1	0	15.02	15.29	15.24	16.00
10	256QAM	1	25	15.05	15.06	15.07	16.00
10	256QAM	1	49	15.15	15.17	15.18	16.00
10	256QAM	25	0	15.24	15.12	15.20	16.00
10	256QAM	25	12	15.21	15.29	15.17	16.00
10	256QAM	25	25	15.24	15.13	15.17	16.00
10	256QAM	50	0	15.11	15.21	15.12	16.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	15.25	15.23	15.21	16.00
5	QPSK	1	12	15.13	15.28	15.16	16.00
5	QPSK	1	24	15.19	15.21	15.18	16.00
5	QPSK	12	0	15.08	15.29	15.21	16.00
5	QPSK	12	7	15.13	15.27	15.16	16.00
5	QPSK	12	13	15.15	15.25	15.01	16.00
5	QPSK	25	0	15.24	15.22	15.12	16.00
5	16QAM	1	0	15.09	15.05	15.29	16.00
5	16QAM	1	12	15.04	15.20	15.06	16.00
5	16QAM	1	24	15.19	15.28	15.12	16.00
5	16QAM	12	0	15.10	15.24	15.13	16.00
5	16QAM	12	7	15.01	15.11	15.33	16.00
5	16QAM	12	13	15.16	15.25	15.29	16.00
5	16QAM	25	0	15.21	15.26	15.26	16.00
5	64QAM	1	0	15.16	15.25	15.16	16.00
5	64QAM	1	12	15.18	15.15	15.03	16.00
5	64QAM	1	24	15.21	15.25	15.16	16.00
5	64QAM	12	0	15.14	15.28	15.11	16.00
5	64QAM	12	7	15.13	15.18	15.24	16.00
5	64QAM	12	13	15.20	15.09	15.26	16.00
5	64QAM	25	0	15.01	15.17	15.20	16.00
5	256QAM	1	0	15.12	15.32	15.23	16.00
5	256QAM	1	12	15.11	15.06	15.16	16.00
5	256QAM	1	24	15.07	15.17	15.10	16.00
5	256QAM	12	0	15.24	15.18	15.20	16.00
5	256QAM	12	7	15.17	15.23	15.20	16.00
5	256QAM	12	13	15.26	15.16	15.24	16.00
5	256QAM	25	0	15.07	15.11	15.18	16.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	15.20	15.31	15.30	16.00
3	QPSK	1	8	15.16	15.30	15.17	16.00
3	QPSK	1	14	15.15	15.20	15.21	16.00
3	QPSK	8	0	15.14	15.24	15.20	16.00
3	QPSK	8	4	15.15	15.27	15.27	16.00
3	QPSK	8	7	15.15	15.22	15.08	16.00
3	QPSK	15	0	15.28	15.29	15.09	16.00
3	16QAM	1	0	15.00	15.12	15.24	16.00
3	16QAM	1	8	15.17	15.32	15.11	16.00
3	16QAM	1	14	15.12	15.22	15.11	16.00
3	16QAM	8	0	15.16	15.30	15.25	16.00
3	16QAM	8	4	15.02	15.22	15.33	16.00
3	16QAM	8	7	15.23	15.17	15.27	16.00
3	16QAM	15	0	15.22	15.22	15.30	16.00
3	64QAM	1	0	15.19	15.21	15.20	16.00
3	64QAM	1	8	15.18	15.19	15.04	16.00
3	64QAM	1	14	15.20	15.28	15.13	16.00
3	64QAM	8	0	15.11	15.25	15.17	16.00
3	64QAM	8	4	15.14	15.19	15.16	16.00
3	64QAM	8	7	15.13	15.07	15.15	16.00
3	64QAM	15	0	15.06	15.13	15.19	16.00
3	256QAM	1	0	15.09	15.33	15.14	16.00
3	256QAM	1	8	15.18	15.08	15.14	16.00
3	256QAM	1	14	15.05	15.20	15.09	16.00
3	256QAM	8	0	15.18	15.08	15.20	16.00
3	256QAM	8	4	15.19	15.24	15.21	16.00
3	256QAM	8	7	15.19	15.12	15.22	16.00
3	256QAM	15	0	15.10	15.21	15.19	16.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	15.17	15.23	15.31	16.00
1.4	QPSK	1	3	15.16	15.26	15.08	16.00
1.4	QPSK	1	5	15.16	15.23	15.23	16.00
1.4	QPSK	3	0	15.13	15.22	15.26	16.00
1.4	QPSK	3	1	15.17	15.25	15.27	16.00
1.4	QPSK	3	3	15.15	15.24	14.99	16.00
1.4	QPSK	6	0	15.20	15.26	15.14	16.00
1.4	16QAM	1	0	15.00	15.06	15.24	16.00
1.4	16QAM	1	3	15.11	15.27	15.06	16.00
1.4	16QAM	1	5	15.16	15.29	15.20	16.00
1.4	16QAM	3	0	15.17	15.22	15.14	16.00
1.4	16QAM	3	1	15.11	15.23	15.33	16.00
1.4	16QAM	3	3	15.23	15.27	15.25	16.00
1.4	16QAM	6	0	15.09	15.27	15.25	16.00
1.4	64QAM	1	0	15.21	15.29	15.13	16.00
1.4	64QAM	1	3	15.23	15.09	15.06	16.00
1.4	64QAM	1	5	15.24	15.30	15.25	16.00
1.4	64QAM	3	0	15.02	15.30	15.19	16.00
1.4	64QAM	3	1	15.17	15.28	15.19	16.00
1.4	64QAM	3	3	15.21	15.10	15.18	16.00
1.4	64QAM	6	0	15.02	15.16	15.31	16.00
1.4	256QAM	1	0	15.04	15.24	15.22	16.00
1.4	256QAM	1	3	15.13	15.15	15.11	16.00
1.4	256QAM	1	5	15.16	15.20	15.11	16.00
1.4	256QAM	3	0	15.24	15.07	15.16	16.00
1.4	256QAM	3	1	15.22	15.23	15.22	16.00
1.4	256QAM	3	3	15.26	15.14	15.22	16.00
1.4	256QAM	6	0	15.09	15.20	15.21	16.00

【LTE Band 25_Ant 0_Hotspot 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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	15.28	15.37	15.33	16.00
20	QPSK	1	49	15.22	15.36	15.19	16.00
20	QPSK	1	99	15.26	15.25	15.27	16.00
20	QPSK	50	0	15.33	15.35	15.30	16.00
20	QPSK	50	24	15.25	15.35	15.28	16.00
20	QPSK	50	50	15.22	15.28	15.14	16.00
20	QPSK	100	0	15.30	15.35	15.23	16.00
20	16QAM	1	0	15.13	15.18	15.30	16.00
20	16QAM	1	49	15.19	15.33	15.18	16.00
20	16QAM	1	99	15.24	15.34	15.25	16.00
20	16QAM	50	0	15.20	15.32	15.26	16.00
20	16QAM	50	24	15.15	15.25	15.37	16.00
20	16QAM	50	50	15.28	15.30	15.35	16.00
20	16QAM	100	0	15.23	15.30	15.34	16.00
20	64QAM	1	0	15.29	15.34	15.27	16.00
20	64QAM	1	49	15.27	15.23	15.17	16.00
20	64QAM	1	99	15.30	15.35	15.28	16.00
20	64QAM	50	0	15.15	15.32	15.25	16.00
20	64QAM	50	24	15.19	15.29	15.30	16.00
20	64QAM	50	50	15.26	15.17	15.30	16.00
20	64QAM	100	0	15.14	15.27	15.33	16.00
20	256QAM	1	0	15.14	15.38	15.29	16.00
20	256QAM	1	49	15.20	15.18	15.18	16.00
20	256QAM	1	99	15.18	15.27	15.23	16.00
20	256QAM	50	0	15.30	15.19	15.23	16.00
20	256QAM	50	24	15.30	15.35	15.29	16.00
20	256QAM	50	50	15.31	15.21	15.32	16.00
20	256QAM	100	0	15.13	15.23	15.23	16.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	15.23	15.31	15.25	16.00
15	QPSK	1	37	15.18	15.31	15.09	16.00
15	QPSK	1	74	15.18	15.11	15.23	16.00
15	QPSK	36	0	15.13	15.34	15.12	16.00
15	QPSK	36	20	15.16	15.31	15.18	16.00
15	QPSK	36	39	15.15	15.19	15.08	16.00
15	QPSK	75	0	15.27	15.33	15.12	16.00



15	16QAM	1	0	15.04	15.11	15.21	16.00
15	16QAM	1	37	15.17	15.28	15.15	16.00
15	16QAM	1	74	15.22	15.20	15.16	16.00
15	16QAM	36	0	15.05	15.21	15.14	16.00
15	16QAM	36	20	15.10	15.18	15.23	16.00
15	16QAM	36	39	15.22	15.19	15.21	16.00
15	16QAM	75	0	15.21	15.27	15.25	16.00
15	64QAM	1	0	15.26	15.21	15.18	16.00
15	64QAM	1	37	15.13	15.19	15.10	16.00
15	64QAM	1	74	15.28	15.27	15.20	16.00
15	64QAM	36	0	15.00	15.18	15.22	16.00
15	64QAM	36	20	15.16	15.15	15.22	16.00
15	64QAM	36	39	15.12	15.07	15.27	16.00
15	64QAM	75	0	15.05	15.14	15.31	16.00
15	256QAM	1	0	15.04	15.28	15.27	16.00
15	256QAM	1	37	15.18	15.05	15.17	16.00
15	256QAM	1	74	15.16	15.15	15.15	16.00
15	256QAM	36	0	15.17	15.09	15.10	16.00
15	256QAM	36	20	15.28	15.29	15.27	16.00
15	256QAM	36	39	15.17	15.11	15.17	16.00
15	256QAM	75	0	15.05	15.14	15.17	16.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	15.19	15.36	15.27	16.00
10	QPSK	1	25	15.14	15.23	15.11	16.00
10	QPSK	1	49	15.20	15.15	15.18	16.00
10	QPSK	25	0	15.12	15.24	15.15	16.00
10	QPSK	25	12	15.17	15.28	15.18	16.00
10	QPSK	25	25	15.18	15.17	15.11	16.00
10	QPSK	50	0	15.16	15.20	15.10	16.00
10	16QAM	1	0	15.01	15.08	15.28	16.00
10	16QAM	1	25	15.04	15.25	15.17	16.00
10	16QAM	1	49	15.20	15.26	15.18	16.00
10	16QAM	25	0	15.18	15.26	15.23	16.00
10	16QAM	25	12	15.06	15.18	15.24	16.00
10	16QAM	25	25	15.21	15.23	15.31	16.00
10	16QAM	50	0	15.20	15.24	15.26	16.00
10	64QAM	1	0	15.22	15.26	15.21	16.00
10	64QAM	1	25	15.23	15.09	15.03	16.00
10	64QAM	1	49	15.17	15.27	15.18	16.00
10	64QAM	25	0	15.11	15.19	15.18	16.00
10	64QAM	25	12	15.16	15.27	15.25	16.00
10	64QAM	25	25	15.15	15.11	15.24	16.00
10	64QAM	50	0	15.08	15.18	15.28	16.00
10	256QAM	1	0	15.02	15.29	15.24	16.00
10	256QAM	1	25	15.05	15.06	15.07	16.00
10	256QAM	1	49	15.15	15.17	15.18	16.00
10	256QAM	25	0	15.24	15.12	15.20	16.00
10	256QAM	25	12	15.21	15.29	15.17	16.00
10	256QAM	25	25	15.24	15.13	15.17	16.00
10	256QAM	50	0	15.11	15.21	15.12	16.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	15.25	15.23	15.21	16.00
5	QPSK	1	12	15.13	15.28	15.16	16.00
5	QPSK	1	24	15.19	15.21	15.18	16.00
5	QPSK	12	0	15.08	15.29	15.21	16.00
5	QPSK	12	7	15.13	15.27	15.16	16.00
5	QPSK	12	13	15.15	15.25	15.01	16.00
5	QPSK	25	0	15.24	15.22	15.12	16.00
5	16QAM	1	0	15.09	15.05	15.29	16.00
5	16QAM	1	12	15.04	15.20	15.06	16.00
5	16QAM	1	24	15.19	15.28	15.12	16.00
5	16QAM	12	0	15.10	15.24	15.13	16.00
5	16QAM	12	7	15.01	15.11	15.33	16.00
5	16QAM	12	13	15.16	15.25	15.29	16.00
5	16QAM	25	0	15.21	15.26	15.26	16.00
5	64QAM	1	0	15.16	15.25	15.16	16.00
5	64QAM	1	12	15.18	15.15	15.03	16.00
5	64QAM	1	24	15.21	15.25	15.16	16.00
5	64QAM	12	0	15.14	15.28	15.11	16.00
5	64QAM	12	7	15.13	15.18	15.24	16.00
5	64QAM	12	13	15.20	15.09	15.26	16.00
5	64QAM	25	0	15.01	15.17	15.20	16.00
5	256QAM	1	0	15.12	15.32	15.23	16.00
5	256QAM	1	12	15.11	15.06	15.16	16.00
5	256QAM	1	24	15.07	15.17	15.10	16.00
5	256QAM	12	0	15.24	15.18	15.20	16.00



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5	256QAM	12	7	15.17	15.23	15.20	16.00
5	256QAM	12	13	15.26	15.16	15.24	16.00
5	256QAM	25	0	15.07	15.11	15.18	16.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	15.20	15.31	15.30	16.00
3	QPSK	1	8	15.16	15.30	15.17	16.00
3	QPSK	1	14	15.15	15.20	15.21	16.00
3	QPSK	8	0	15.14	15.24	15.20	16.00
3	QPSK	8	4	15.15	15.27	15.27	16.00
3	QPSK	8	7	15.15	15.22	15.08	16.00
3	QPSK	15	0	15.28	15.29	15.09	16.00
3	16QAM	1	0	15.00	15.12	15.24	16.00
3	16QAM	1	8	15.17	15.32	15.11	16.00
3	16QAM	1	14	15.12	15.22	15.11	16.00
3	16QAM	8	0	15.16	15.30	15.25	16.00
3	16QAM	8	4	15.02	15.22	15.33	16.00
3	16QAM	8	7	15.23	15.17	15.27	16.00
3	16QAM	15	0	15.22	15.22	15.30	16.00
3	64QAM	1	0	15.19	15.21	15.20	16.00
3	64QAM	1	8	15.18	15.19	15.04	16.00
3	64QAM	1	14	15.20	15.28	15.13	16.00
3	64QAM	8	0	15.11	15.25	15.17	16.00
3	64QAM	8	4	15.14	15.19	15.16	16.00
3	64QAM	8	7	15.13	15.07	15.15	16.00
3	64QAM	15	0	15.06	15.13	15.19	16.00
3	256QAM	1	0	15.09	15.33	15.14	16.00
3	256QAM	1	8	15.18	15.08	15.14	16.00
3	256QAM	1	14	15.05	15.20	15.09	16.00
3	256QAM	8	0	15.18	15.08	15.20	16.00
3	256QAM	8	4	15.19	15.24	15.21	16.00
3	256QAM	8	7	15.19	15.12	15.22	16.00
3	256QAM	15	0	15.10	15.21	15.19	16.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	15.17	15.23	15.31	16.00
1.4	QPSK	1	3	15.16	15.26	15.08	16.00
1.4	QPSK	1	5	15.16	15.23	15.23	16.00
1.4	QPSK	3	0	15.13	15.22	15.26	16.00
1.4	QPSK	3	1	15.17	15.25	15.27	16.00
1.4	QPSK	3	3	15.15	15.24	14.99	16.00
1.4	QPSK	6	0	15.20	15.26	15.14	16.00
1.4	16QAM	1	0	15.00	15.06	15.24	16.00
1.4	16QAM	1	3	15.11	15.27	15.06	16.00
1.4	16QAM	1	5	15.16	15.29	15.20	16.00
1.4	16QAM	3	0	15.17	15.22	15.14	16.00
1.4	16QAM	3	1	15.11	15.23	15.33	16.00
1.4	16QAM	3	3	15.23	15.27	15.25	16.00
1.4	16QAM	6	0	15.09	15.27	15.25	16.00
1.4	64QAM	1	0	15.21	15.29	15.13	16.00
1.4	64QAM	1	3	15.23	15.09	15.06	16.00
1.4	64QAM	1	5	15.24	15.30	15.25	16.00
1.4	64QAM	3	0	15.02	15.30	15.19	16.00
1.4	64QAM	3	1	15.17	15.28	15.19	16.00
1.4	64QAM	3	3	15.21	15.10	15.18	16.00
1.4	64QAM	6	0	15.02	15.16	15.31	16.00
1.4	256QAM	1	0	15.04	15.24	15.22	16.00
1.4	256QAM	1	3	15.13	15.15	15.11	16.00
1.4	256QAM	1	5	15.16	15.20	15.11	16.00
1.4	256QAM	3	0	15.24	15.07	15.16	16.00
1.4	256QAM	3	1	15.22	15.23	15.22	16.00
1.4	256QAM	3	3	15.26	15.14	15.22	16.00
1.4	256QAM	6	0	15.09	15.20	15.21	16.00



【LTE Band 25_Ant 1_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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	22.96	23.13	23.01	24.00
20	QPSK	1	49	22.80	23.10	22.95	24.00
20	QPSK	1	99	22.65	22.97	22.79	24.00
20	QPSK	50	0	22.14	22.34	22.13	23.00
20	QPSK	50	24	22.08	22.31	22.07	23.00
20	QPSK	50	50	22.00	22.20	22.00	23.00
20	QPSK	100	0	22.06	22.27	22.13	23.00
20	16QAM	1	0	21.94	22.12	21.99	23.00
20	16QAM	1	49	22.04	22.24	21.98	23.00
20	16QAM	1	99	21.79	22.06	21.81	23.00
20	16QAM	50	0	20.99	21.23	21.00	22.00
20	16QAM	50	24	21.00	21.28	21.09	22.00
20	16QAM	50	50	20.98	21.20	21.07	22.00
20	16QAM	100	0	20.99	21.26	21.08	22.00
20	64QAM	1	0	20.98	21.21	21.01	22.00
20	64QAM	1	49	21.05	21.31	21.07	22.00
20	64QAM	1	99	20.98	21.22	20.97	22.00
20	64QAM	50	0	19.92	20.17	19.95	21.00
20	64QAM	50	24	20.07	20.29	20.09	21.00
20	64QAM	50	50	19.92	20.20	20.00	21.00
20	64QAM	100	0	20.05	20.26	20.06	21.00
20	256QAM	1	0	18.01	18.22	18.01	19.00
20	256QAM	1	49	18.06	18.26	18.14	19.00
20	256QAM	1	99	18.06	18.29	18.15	19.00
20	256QAM	50	0	17.96	18.20	18.07	19.00
20	256QAM	50	24	18.09	18.30	18.14	19.00
20	256QAM	50	50	18.09	18.37	18.17	19.00
20	256QAM	100	0	17.99	18.27	18.04	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.88	23.04	22.98	24.00
15	QPSK	1	37	22.66	23.07	22.87	24.00
15	QPSK	1	74	22.51	22.94	22.77	24.00
15	QPSK	36	0	22.09	22.31	22.09	23.00
15	QPSK	36	20	21.96	22.27	22.04	23.00
15	QPSK	36	39	21.86	22.14	21.94	23.00
15	QPSK	75	0	22.00	22.23	21.99	23.00
15	16QAM	1	0	21.87	22.00	21.89	23.00
15	16QAM	1	37	21.96	22.12	21.91	23.00
15	16QAM	1	74	21.66	21.95	21.68	23.00
15	16QAM	36	0	20.87	21.13	20.97	22.00
15	16QAM	36	20	20.86	21.14	21.08	22.00
15	16QAM	36	39	20.90	21.17	21.03	22.00
15	16QAM	75	0	20.89	21.24	21.03	22.00
15	64QAM	1	0	20.83	21.15	20.95	22.00
15	64QAM	1	37	20.92	21.24	21.01	22.00
15	64QAM	1	74	20.94	21.19	20.93	22.00
15	64QAM	36	0	19.90	20.13	19.86	21.00
15	64QAM	36	20	20.00	20.25	20.01	21.00
15	64QAM	36	39	19.86	20.18	19.88	21.00
15	64QAM	75	0	19.98	20.16	19.93	21.00
15	256QAM	1	0	17.92	18.08	17.97	19.00
15	256QAM	1	37	17.94	18.21	17.99	19.00
15	256QAM	1	74	17.97	18.17	18.05	19.00
15	256QAM	36	0	17.83	18.17	17.93	19.00
15	256QAM	36	20	18.02	18.23	18.08	19.00
15	256QAM	36	39	17.97	18.27	18.03	19.00
15	256QAM	75	0	17.88	18.23	17.90	19.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	22.86	23.02	22.91	24.00
10	QPSK	1	25	22.71	23.01	22.88	24.00
10	QPSK	1	49	22.55	22.83	22.64	24.00
10	QPSK	25	0	22.04	22.22	22.01	23.00
10	QPSK	25	12	22.00	22.28	21.99	23.00
10	QPSK	25	25	21.89	22.15	21.85	23.00
10	QPSK	50	0	22.02	22.19	21.98	23.00
10	16QAM	1	0	21.81	21.99	21.92	23.00
10	16QAM	1	25	21.93	22.16	21.92	23.00
10	16QAM	1	49	21.75	21.95	21.77	23.00
10	16QAM	25	0	20.90	21.13	20.85	22.00



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10	16QAM	25	12	20.98	21.16	20.99	22.00
10	16QAM	25	25	20.94	21.11	20.93	22.00
10	16QAM	50	0	20.87	21.23	21.05	22.00
10	64QAM	1	0	20.94	21.07	20.93	22.00
10	64QAM	1	25	20.95	21.24	21.02	22.00
10	64QAM	1	49	20.95	21.10	20.87	22.00
10	64QAM	25	0	19.80	20.05	19.86	21.00
10	64QAM	25	12	19.94	20.21	20.08	21.00
10	64QAM	25	25	19.84	20.17	19.92	21.00
10	64QAM	50	0	19.97	20.16	19.97	21.00
10	256QAM	1	0	17.97	18.17	17.94	19.00
10	256QAM	1	25	17.97	18.18	18.03	19.00
10	256QAM	1	49	17.93	18.24	18.13	19.00
10	256QAM	25	0	17.95	18.17	18.00	19.00
10	256QAM	25	12	18.02	18.22	18.07	19.00
10	256QAM	25	25	18.01	18.35	18.15	19.00
10	256QAM	50	0	17.88	18.18	18.00	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	22.82	23.12	22.89	24.00
5	QPSK	1	12	22.68	23.06	22.88	24.00
5	QPSK	1	24	22.60	22.84	22.71	24.00
5	QPSK	12	0	22.03	22.22	22.07	23.00
5	QPSK	12	7	22.06	22.20	21.99	23.00
5	QPSK	12	13	21.87	22.18	21.98	23.00
5	QPSK	25	0	22.03	22.25	22.02	23.00
5	16QAM	1	0	21.91	22.03	21.97	23.00
5	16QAM	1	12	21.90	22.15	21.89	23.00
5	16QAM	1	24	21.72	22.01	21.71	23.00
5	16QAM	12	0	20.93	21.13	20.86	22.00
5	16QAM	12	7	20.90	21.21	20.99	22.00
5	16QAM	12	13	20.95	21.13	21.00	22.00
5	16QAM	25	0	20.94	21.11	20.99	22.00
5	64QAM	1	0	20.93	21.13	20.99	22.00
5	64QAM	1	12	20.92	21.17	21.02	22.00
5	64QAM	1	24	20.90	21.12	20.93	22.00
5	64QAM	12	0	19.89	20.10	19.86	21.00
5	64QAM	12	7	20.04	20.23	20.03	21.00
5	64QAM	12	13	19.84	20.07	19.98	21.00
5	64QAM	25	0	19.93	20.23	19.99	21.00
5	256QAM	1	0	17.91	18.18	17.88	19.00
5	256QAM	1	12	17.94	18.21	18.06	19.00
5	256QAM	1	24	17.98	18.15	18.11	19.00
5	256QAM	12	0	17.83	18.12	18.04	19.00
5	256QAM	12	7	17.96	18.15	18.13	19.00
5	256QAM	12	13	18.00	18.35	18.15	19.00
5	256QAM	25	0	17.97	18.25	18.00	19.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	22.91	23.10	22.87	24.00
3	QPSK	1	8	22.78	22.97	22.87	24.00
3	QPSK	1	14	22.60	22.89	22.72	24.00
3	QPSK	8	0	22.04	22.20	22.01	23.00
3	QPSK	8	4	22.01	22.28	21.97	23.00
3	QPSK	8	7	21.91	22.10	21.98	23.00
3	QPSK	15	0	22.02	22.19	22.04	23.00
3	16QAM	1	0	21.83	22.02	21.97	23.00
3	16QAM	1	8	21.98	22.23	21.95	23.00
3	16QAM	1	14	21.77	22.04	21.75	23.00
3	16QAM	8	0	20.87	21.10	20.93	22.00
3	16QAM	8	4	20.87	21.16	21.08	22.00
3	16QAM	8	7	20.90	21.06	20.97	22.00
3	16QAM	15	0	20.94	21.23	20.94	22.00
3	64QAM	1	0	20.84	21.16	20.97	22.00
3	64QAM	1	8	20.92	21.25	20.99	22.00
3	64QAM	1	14	20.87	21.09	20.85	22.00
3	64QAM	8	0	19.81	20.09	19.84	21.00
3	64QAM	8	4	19.96	20.18	19.94	21.00
3	64QAM	8	7	19.88	20.13	19.86	21.00
3	64QAM	15	0	19.91	20.16	20.03	21.00
3	256QAM	1	0	18.00	18.21	17.97	19.00
3	256QAM	1	8	18.05	18.16	18.02	19.00
3	256QAM	1	14	18.00	18.23	18.14	19.00
3	256QAM	8	0	17.88	18.16	18.04	19.00
3	256QAM	8	4	18.06	18.18	18.03	19.00
3	256QAM	8	7	17.99	18.36	18.10	19.00
3	256QAM	15	0	17.97	18.14	17.94	19.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	22.85	23.00	22.93	24.00
1.4	QPSK	1	3	22.76	23.04	22.93	24.00
1.4	QPSK	1	5	22.58	22.93	22.66	24.00
1.4	QPSK	3	0	22.94	23.12	22.99	24.00
1.4	QPSK	3	1	22.94	23.13	22.93	24.00
1.4	QPSK	3	3	22.95	23.13	22.86	24.00
1.4	QPSK	6	0	21.93	22.24	22.05	23.00
1.4	16QAM	1	0	21.92	22.09	21.89	23.00
1.4	16QAM	1	3	21.97	22.16	21.95	23.00
1.4	16QAM	1	5	21.74	21.92	21.77	23.00
1.4	16QAM	3	0	21.93	22.16	21.88	23.00
1.4	16QAM	3	1	21.97	22.27	22.04	23.00
1.4	16QAM	3	3	21.86	22.05	21.94	23.00
1.4	16QAM	6	0	20.95	21.13	21.07	22.00
1.4	64QAM	1	0	20.84	21.15	20.93	22.00
1.4	64QAM	1	3	20.91	21.18	20.94	22.00
1.4	64QAM	1	5	20.85	21.17	20.93	22.00
1.4	64QAM	3	0	20.78	21.14	20.90	22.00
1.4	64QAM	3	1	21.05	21.19	21.00	22.00
1.4	64QAM	3	3	20.81	21.11	20.98	22.00
1.4	64QAM	6	0	19.92	20.13	20.04	21.00
1.4	256QAM	1	0	17.95	18.12	17.91	19.00
1.4	256QAM	1	3	18.01	18.21	18.10	19.00
1.4	256QAM	1	5	18.01	18.15	18.07	19.00
1.4	256QAM	3	0	17.90	18.19	17.94	19.00
1.4	256QAM	3	1	18.00	18.16	18.03	19.00
1.4	256QAM	3	3	17.96	18.31	18.13	19.00
1.4	256QAM	6	0	17.97	18.17	18.00	19.00

【LTE Band 25_Ant 1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	22.96	23.13	23.01	24.00
20	QPSK	1	49	22.80	23.10	22.95	24.00
20	QPSK	1	99	22.65	22.97	22.79	24.00
20	QPSK	50	0	22.14	22.34	22.13	23.00
20	QPSK	50	24	22.08	22.31	22.07	23.00
20	QPSK	50	50	22.00	22.20	22.00	23.00
20	QPSK	100	0	22.06	22.27	22.13	23.00
20	16QAM	1	0	21.94	22.12	21.99	23.00
20	16QAM	1	49	22.04	22.24	21.98	23.00
20	16QAM	1	99	21.79	22.06	21.81	23.00
20	16QAM	50	0	20.99	21.23	21.00	22.00
20	16QAM	50	24	21.00	21.28	21.09	22.00
20	16QAM	50	50	20.98	21.20	21.07	22.00
20	16QAM	100	0	20.99	21.26	21.08	22.00
20	64QAM	1	0	20.98	21.21	21.01	22.00
20	64QAM	1	49	21.05	21.31	21.07	22.00
20	64QAM	1	99	20.98	21.22	20.97	22.00
20	64QAM	50	0	19.92	20.17	19.95	21.00
20	64QAM	50	24	20.07	20.29	20.09	21.00
20	64QAM	50	50	19.92	20.20	20.00	21.00
20	64QAM	100	0	20.05	20.26	20.06	21.00
20	256QAM	1	0	18.01	18.22	18.01	19.00
20	256QAM	1	49	18.06	18.26	18.14	19.00
20	256QAM	1	99	18.06	18.29	18.15	19.00
20	256QAM	50	0	17.96	18.20	18.07	19.00
20	256QAM	50	24	18.09	18.30	18.14	19.00
20	256QAM	50	50	18.09	18.37	18.17	19.00
20	256QAM	100	0	17.99	18.27	18.04	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.88	23.04	22.98	24.00
15	QPSK	1	37	22.66	23.07	22.87	24.00
15	QPSK	1	74	22.51	22.94	22.77	24.00
15	QPSK	36	0	22.09	22.31	22.09	23.00
15	QPSK	36	20	21.96	22.27	22.04	23.00
15	QPSK	36	39	21.86	22.14	21.94	23.00
15	QPSK	75	0	22.00	22.23	21.99	23.00



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15	16QAM	1	0	21.87	22.00	21.89	23.00
15	16QAM	1	37	21.96	22.12	21.91	23.00
15	16QAM	1	74	21.66	21.95	21.68	23.00
15	16QAM	36	0	20.87	21.13	20.97	22.00
15	16QAM	36	20	20.86	21.14	21.08	22.00
15	16QAM	36	39	20.90	21.17	21.03	22.00
15	16QAM	75	0	20.89	21.24	21.03	22.00
15	64QAM	1	0	20.83	21.15	20.95	22.00
15	64QAM	1	37	20.92	21.24	21.01	22.00
15	64QAM	1	74	20.94	21.19	20.93	22.00
15	64QAM	36	0	19.90	20.13	19.86	21.00
15	64QAM	36	20	20.00	20.25	20.01	21.00
15	64QAM	36	39	19.86	20.18	19.88	21.00
15	64QAM	75	0	19.98	20.16	19.93	21.00
15	256QAM	1	0	17.92	18.08	17.97	19.00
15	256QAM	1	37	17.94	18.21	17.99	19.00
15	256QAM	1	74	17.97	18.17	18.05	19.00
15	256QAM	36	0	17.83	18.17	17.93	19.00
15	256QAM	36	20	18.02	18.23	18.08	19.00
15	256QAM	36	39	17.97	18.27	18.03	19.00
15	256QAM	75	0	17.88	18.23	17.90	19.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	22.86	23.02	22.91	24.00
10	QPSK	1	25	22.71	23.01	22.88	24.00
10	QPSK	1	49	22.55	22.83	22.64	24.00
10	QPSK	25	0	22.04	22.22	22.01	23.00
10	QPSK	25	12	22.00	22.28	21.99	23.00
10	QPSK	25	25	21.89	22.15	21.85	23.00
10	QPSK	50	0	22.02	22.19	21.98	23.00
10	16QAM	1	0	21.81	21.99	21.92	23.00
10	16QAM	1	25	21.93	22.16	21.92	23.00
10	16QAM	1	49	21.75	21.95	21.77	23.00
10	16QAM	25	0	20.90	21.13	20.85	22.00
10	16QAM	25	12	20.98	21.16	20.99	22.00
10	16QAM	25	25	20.94	21.11	20.93	22.00
10	16QAM	50	0	20.87	21.23	21.05	22.00
10	64QAM	1	0	20.94	21.07	20.93	22.00
10	64QAM	1	25	20.95	21.24	21.02	22.00
10	64QAM	1	49	20.95	21.10	20.87	22.00
10	64QAM	25	0	19.80	20.05	19.86	21.00
10	64QAM	25	12	19.94	20.21	20.08	21.00
10	64QAM	25	25	19.84	20.17	19.92	21.00
10	64QAM	50	0	19.97	20.16	19.97	21.00
10	256QAM	1	0	17.97	18.17	17.94	19.00
10	256QAM	1	25	17.97	18.18	18.03	19.00
10	256QAM	1	49	17.93	18.24	18.13	19.00
10	256QAM	25	0	17.95	18.17	18.00	19.00
10	256QAM	25	12	18.02	18.22	18.07	19.00
10	256QAM	25	25	18.01	18.35	18.15	19.00
10	256QAM	50	0	17.88	18.18	18.00	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	22.82	23.12	22.89	24.00
5	QPSK	1	12	22.68	23.06	22.88	24.00
5	QPSK	1	24	22.60	22.84	22.71	24.00
5	QPSK	12	0	22.03	22.22	22.07	23.00
5	QPSK	12	7	22.06	22.20	21.99	23.00
5	QPSK	12	13	21.87	22.18	21.98	23.00
5	QPSK	25	0	22.03	22.25	22.02	23.00
5	16QAM	1	0	21.91	22.03	21.97	23.00
5	16QAM	1	12	21.90	22.15	21.89	23.00
5	16QAM	1	24	21.72	22.01	21.71	23.00
5	16QAM	12	0	20.93	21.13	20.86	22.00
5	16QAM	12	7	20.90	21.21	20.99	22.00
5	16QAM	12	13	20.95	21.13	21.00	22.00
5	16QAM	25	0	20.94	21.11	20.99	22.00
5	64QAM	1	0	20.93	21.13	20.99	22.00
5	64QAM	1	12	20.92	21.17	21.02	22.00
5	64QAM	1	24	20.90	21.12	20.93	22.00
5	64QAM	12	0	19.89	20.10	19.86	21.00
5	64QAM	12	7	20.04	20.23	20.03	21.00
5	64QAM	12	13	19.84	20.07	19.98	21.00
5	64QAM	25	0	19.93	20.23	19.99	21.00
5	256QAM	1	0	17.91	18.18	17.88	19.00
5	256QAM	1	12	17.94	18.21	18.06	19.00
5	256QAM	1	24	17.98	18.15	18.11	19.00
5	256QAM	12	0	17.83	18.12	18.04	19.00



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5	256QAM	12	7	17.96	18.15	18.13	19.00
5	256QAM	12	13	18.00	18.35	18.15	19.00
5	256QAM	25	0	17.97	18.25	18.00	19.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	22.91	23.10	22.87	24.00
3	QPSK	1	8	22.78	22.97	22.87	24.00
3	QPSK	1	14	22.60	22.89	22.72	24.00
3	QPSK	8	0	22.04	22.20	22.01	23.00
3	QPSK	8	4	22.01	22.28	21.97	23.00
3	QPSK	8	7	21.91	22.10	21.98	23.00
3	QPSK	15	0	22.02	22.19	22.04	23.00
3	16QAM	1	0	21.83	22.02	21.97	23.00
3	16QAM	1	8	21.98	22.23	21.95	23.00
3	16QAM	1	14	21.77	22.04	21.75	23.00
3	16QAM	8	0	20.87	21.10	20.93	22.00
3	16QAM	8	4	20.87	21.16	21.08	22.00
3	16QAM	8	7	20.90	21.06	20.97	22.00
3	16QAM	15	0	20.94	21.23	20.94	22.00
3	64QAM	1	0	20.84	21.16	20.97	22.00
3	64QAM	1	8	20.92	21.25	20.99	22.00
3	64QAM	1	14	20.87	21.09	20.85	22.00
3	64QAM	8	0	19.81	20.09	19.84	21.00
3	64QAM	8	4	19.96	20.18	19.94	21.00
3	64QAM	8	7	19.88	20.13	19.86	21.00
3	64QAM	15	0	19.91	20.16	20.03	21.00
3	256QAM	1	0	18.00	18.21	17.97	19.00
3	256QAM	1	8	18.05	18.16	18.02	19.00
3	256QAM	1	14	18.00	18.23	18.14	19.00
3	256QAM	8	0	17.88	18.16	18.04	19.00
3	256QAM	8	4	18.06	18.18	18.03	19.00
3	256QAM	8	7	17.99	18.36	18.10	19.00
3	256QAM	15	0	17.97	18.14	17.94	19.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	22.85	23.00	22.93	24.00
1.4	QPSK	1	3	22.76	23.04	22.93	24.00
1.4	QPSK	1	5	22.58	22.93	22.66	24.00
1.4	QPSK	3	0	22.94	23.12	22.99	24.00
1.4	QPSK	3	1	22.94	23.13	22.93	24.00
1.4	QPSK	3	3	22.95	23.13	22.86	24.00
1.4	QPSK	6	0	21.93	22.24	22.05	23.00
1.4	16QAM	1	0	21.92	22.09	21.89	23.00
1.4	16QAM	1	3	21.97	22.16	21.95	23.00
1.4	16QAM	1	5	21.74	21.92	21.77	23.00
1.4	16QAM	3	0	21.93	22.16	21.88	23.00
1.4	16QAM	3	1	21.97	22.27	22.04	23.00
1.4	16QAM	3	3	21.86	22.05	21.94	23.00
1.4	16QAM	6	0	20.95	21.13	21.07	22.00
1.4	64QAM	1	0	20.84	21.15	20.93	22.00
1.4	64QAM	1	3	20.91	21.18	20.94	22.00
1.4	64QAM	1	5	20.85	21.17	20.93	22.00
1.4	64QAM	3	0	20.78	21.14	20.90	22.00
1.4	64QAM	3	1	21.05	21.19	21.00	22.00
1.4	64QAM	3	3	20.81	21.11	20.98	22.00
1.4	64QAM	6	0	19.92	20.13	20.04	21.00
1.4	256QAM	1	0	17.95	18.12	17.91	19.00
1.4	256QAM	1	3	18.01	18.21	18.10	19.00
1.4	256QAM	1	5	18.01	18.15	18.07	19.00
1.4	256QAM	3	0	17.90	18.19	17.94	19.00
1.4	256QAM	3	1	18.00	18.16	18.03	19.00
1.4	256QAM	3	3	17.96	18.31	18.13	19.00
1.4	256QAM	6	0	17.97	18.17	18.00	19.00



【LTE Band 25_Ant 1_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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	22.96	23.13	23.01	24.00
20	QPSK	1	49	22.80	23.10	22.95	24.00
20	QPSK	1	99	22.65	22.97	22.79	24.00
20	QPSK	50	0	22.14	22.34	22.13	23.00
20	QPSK	50	24	22.08	22.31	22.07	23.00
20	QPSK	50	50	22.00	22.20	22.00	23.00
20	QPSK	100	0	22.06	22.27	22.13	23.00
20	16QAM	1	0	21.94	22.12	21.99	23.00
20	16QAM	1	49	22.04	22.24	21.98	23.00
20	16QAM	1	99	21.79	22.06	21.81	23.00
20	16QAM	50	0	20.99	21.23	21.00	22.00
20	16QAM	50	24	21.00	21.28	21.09	22.00
20	16QAM	50	50	20.98	21.20	21.07	22.00
20	16QAM	100	0	20.99	21.26	21.08	22.00
20	64QAM	1	0	20.98	21.21	21.01	22.00
20	64QAM	1	49	21.05	21.31	21.07	22.00
20	64QAM	1	99	20.98	21.22	20.97	22.00
20	64QAM	50	0	19.92	20.17	19.95	21.00
20	64QAM	50	24	20.07	20.29	20.09	21.00
20	64QAM	50	50	19.92	20.20	20.00	21.00
20	64QAM	100	0	20.05	20.26	20.06	21.00
20	256QAM	1	0	18.01	18.22	18.01	19.00
20	256QAM	1	49	18.06	18.26	18.14	19.00
20	256QAM	1	99	18.06	18.29	18.15	19.00
20	256QAM	50	0	17.96	18.20	18.07	19.00
20	256QAM	50	24	18.09	18.30	18.14	19.00
20	256QAM	50	50	18.09	18.37	18.17	19.00
20	256QAM	100	0	17.99	18.27	18.04	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.88	23.04	22.98	24.00
15	QPSK	1	37	22.66	23.07	22.87	24.00
15	QPSK	1	74	22.51	22.94	22.77	24.00
15	QPSK	36	0	22.09	22.31	22.09	23.00
15	QPSK	36	20	21.96	22.27	22.04	23.00
15	QPSK	36	39	21.86	22.14	21.94	23.00
15	QPSK	75	0	22.00	22.23	21.99	23.00
15	16QAM	1	0	21.87	22.00	21.89	23.00
15	16QAM	1	37	21.96	22.12	21.91	23.00
15	16QAM	1	74	21.66	21.95	21.68	23.00
15	16QAM	36	0	20.87	21.13	20.97	22.00
15	16QAM	36	20	20.86	21.14	21.08	22.00
15	16QAM	36	39	20.90	21.17	21.03	22.00
15	16QAM	75	0	20.89	21.24	21.03	22.00
15	64QAM	1	0	20.83	21.15	20.95	22.00
15	64QAM	1	37	20.92	21.24	21.01	22.00
15	64QAM	1	74	20.94	21.19	20.93	22.00
15	64QAM	36	0	19.90	20.13	19.86	21.00
15	64QAM	36	20	20.00	20.25	20.01	21.00
15	64QAM	36	39	19.86	20.18	19.88	21.00
15	64QAM	75	0	19.98	20.16	19.93	21.00
15	256QAM	1	0	17.92	18.08	17.97	19.00
15	256QAM	1	37	17.94	18.21	17.99	19.00
15	256QAM	1	74	17.97	18.17	18.05	19.00
15	256QAM	36	0	17.83	18.17	17.93	19.00
15	256QAM	36	20	18.02	18.23	18.08	19.00
15	256QAM	36	39	17.97	18.27	18.03	19.00
15	256QAM	75	0	17.88	18.23	17.90	19.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	22.86	23.02	22.91	24.00
10	QPSK	1	25	22.71	23.01	22.88	24.00
10	QPSK	1	49	22.55	22.83	22.64	24.00
10	QPSK	25	0	22.04	22.22	22.01	23.00
10	QPSK	25	12	22.00	22.28	21.99	23.00
10	QPSK	25	25	21.89	22.15	21.85	23.00
10	QPSK	50	0	22.02	22.19	21.98	23.00
10	16QAM	1	0	21.81	21.99	21.92	23.00
10	16QAM	1	25	21.93	22.16	21.92	23.00
10	16QAM	1	49	21.75	21.95	21.77	23.00
10	16QAM	25	0	20.90	21.13	20.85	22.00



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10	16QAM	25	12	20.98	21.16	20.99	22.00
10	16QAM	25	25	20.94	21.11	20.93	22.00
10	16QAM	50	0	20.87	21.23	21.05	22.00
10	64QAM	1	0	20.94	21.07	20.93	22.00
10	64QAM	1	25	20.95	21.24	21.02	22.00
10	64QAM	1	49	20.95	21.10	20.87	22.00
10	64QAM	25	0	19.80	20.05	19.86	21.00
10	64QAM	25	12	19.94	20.21	20.08	21.00
10	64QAM	25	25	19.84	20.17	19.92	21.00
10	64QAM	50	0	19.97	20.16	19.97	21.00
10	256QAM	1	0	17.97	18.17	17.94	19.00
10	256QAM	1	25	17.97	18.18	18.03	19.00
10	256QAM	1	49	17.93	18.24	18.13	19.00
10	256QAM	25	0	17.95	18.17	18.00	19.00
10	256QAM	25	12	18.02	18.22	18.07	19.00
10	256QAM	25	25	18.01	18.35	18.15	19.00
10	256QAM	50	0	17.88	18.18	18.00	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	22.82	23.12	22.89	24.00
5	QPSK	1	12	22.68	23.06	22.88	24.00
5	QPSK	1	24	22.60	22.84	22.71	24.00
5	QPSK	12	0	22.03	22.22	22.07	23.00
5	QPSK	12	7	22.06	22.20	21.99	23.00
5	QPSK	12	13	21.87	22.18	21.98	23.00
5	QPSK	25	0	22.03	22.25	22.02	23.00
5	16QAM	1	0	21.91	22.03	21.97	23.00
5	16QAM	1	12	21.90	22.15	21.89	23.00
5	16QAM	1	24	21.72	22.01	21.71	23.00
5	16QAM	12	0	20.93	21.13	20.86	22.00
5	16QAM	12	7	20.90	21.21	20.99	22.00
5	16QAM	12	13	20.95	21.13	21.00	22.00
5	16QAM	25	0	20.94	21.11	20.99	22.00
5	64QAM	1	0	20.93	21.13	20.99	22.00
5	64QAM	1	12	20.92	21.17	21.02	22.00
5	64QAM	1	24	20.90	21.12	20.93	22.00
5	64QAM	12	0	19.89	20.10	19.86	21.00
5	64QAM	12	7	20.04	20.23	20.03	21.00
5	64QAM	12	13	19.84	20.07	19.98	21.00
5	64QAM	25	0	19.93	20.23	19.99	21.00
5	256QAM	1	0	17.91	18.18	17.88	19.00
5	256QAM	1	12	17.94	18.21	18.06	19.00
5	256QAM	1	24	17.98	18.15	18.11	19.00
5	256QAM	12	0	17.83	18.12	18.04	19.00
5	256QAM	12	7	17.96	18.15	18.13	19.00
5	256QAM	12	13	18.00	18.35	18.15	19.00
5	256QAM	25	0	17.97	18.25	18.00	19.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	22.91	23.10	22.87	24.00
3	QPSK	1	8	22.78	22.97	22.87	24.00
3	QPSK	1	14	22.60	22.89	22.72	24.00
3	QPSK	8	0	22.04	22.20	22.01	23.00
3	QPSK	8	4	22.01	22.28	21.97	23.00
3	QPSK	8	7	21.91	22.10	21.98	23.00
3	QPSK	15	0	22.02	22.19	22.04	23.00
3	16QAM	1	0	21.83	22.02	21.97	23.00
3	16QAM	1	8	21.98	22.23	21.95	23.00
3	16QAM	1	14	21.77	22.04	21.75	23.00
3	16QAM	8	0	20.87	21.10	20.93	22.00
3	16QAM	8	4	20.87	21.16	21.08	22.00
3	16QAM	8	7	20.90	21.06	20.97	22.00
3	16QAM	15	0	20.94	21.23	20.94	22.00
3	64QAM	1	0	20.84	21.16	20.97	22.00
3	64QAM	1	8	20.92	21.25	20.99	22.00
3	64QAM	1	14	20.87	21.09	20.85	22.00
3	64QAM	8	0	19.81	20.09	19.84	21.00
3	64QAM	8	4	19.96	20.18	19.94	21.00
3	64QAM	8	7	19.88	20.13	19.86	21.00
3	64QAM	15	0	19.91	20.16	20.03	21.00
3	256QAM	1	0	18.00	18.21	17.97	19.00
3	256QAM	1	8	18.05	18.16	18.02	19.00
3	256QAM	1	14	18.00	18.23	18.14	19.00
3	256QAM	8	0	17.88	18.16	18.04	19.00
3	256QAM	8	4	18.06	18.18	18.03	19.00
3	256QAM	8	7	17.99	18.36	18.10	19.00
3	256QAM	15	0	17.97	18.14	17.94	19.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	22.85	23.00	22.93	24.00
1.4	QPSK	1	3	22.76	23.04	22.93	24.00
1.4	QPSK	1	5	22.58	22.93	22.66	24.00
1.4	QPSK	3	0	22.94	23.12	22.99	24.00
1.4	QPSK	3	1	22.94	23.13	22.93	24.00
1.4	QPSK	3	3	22.95	23.13	22.86	24.00
1.4	QPSK	6	0	21.93	22.24	22.05	23.00
1.4	16QAM	1	0	21.92	22.09	21.89	23.00
1.4	16QAM	1	3	21.97	22.16	21.95	23.00
1.4	16QAM	1	5	21.74	21.92	21.77	23.00
1.4	16QAM	3	0	21.93	22.16	21.88	23.00
1.4	16QAM	3	1	21.97	22.27	22.04	23.00
1.4	16QAM	3	3	21.86	22.05	21.94	23.00
1.4	16QAM	6	0	20.95	21.13	21.07	22.00
1.4	64QAM	1	0	20.84	21.15	20.93	22.00
1.4	64QAM	1	3	20.91	21.18	20.94	22.00
1.4	64QAM	1	5	20.85	21.17	20.93	22.00
1.4	64QAM	3	0	20.78	21.14	20.90	22.00
1.4	64QAM	3	1	21.05	21.19	21.00	22.00
1.4	64QAM	3	3	20.81	21.11	20.98	22.00
1.4	64QAM	6	0	19.92	20.13	20.04	21.00
1.4	256QAM	1	0	17.95	18.12	17.91	19.00
1.4	256QAM	1	3	18.01	18.21	18.10	19.00
1.4	256QAM	1	5	18.01	18.15	18.07	19.00
1.4	256QAM	3	0	17.90	18.19	17.94	19.00
1.4	256QAM	3	1	18.00	18.16	18.03	19.00
1.4	256QAM	3	3	17.96	18.31	18.13	19.00
1.4	256QAM	6	0	17.97	18.17	18.00	19.00

【LTE Band 25_Ant 1_Hotspot 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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	22.96	23.13	23.01	24.00
20	QPSK	1	49	22.80	23.10	22.95	24.00
20	QPSK	1	99	22.65	22.97	22.79	24.00
20	QPSK	50	0	22.14	22.34	22.13	23.00
20	QPSK	50	24	22.08	22.31	22.07	23.00
20	QPSK	50	50	22.00	22.20	22.00	23.00
20	QPSK	100	0	22.06	22.27	22.13	23.00
20	16QAM	1	0	21.94	22.12	21.99	23.00
20	16QAM	1	49	22.04	22.24	21.98	23.00
20	16QAM	1	99	21.79	22.06	21.81	23.00
20	16QAM	50	0	20.99	21.23	21.00	22.00
20	16QAM	50	24	21.00	21.28	21.09	22.00
20	16QAM	50	50	20.98	21.20	21.07	22.00
20	16QAM	100	0	20.99	21.26	21.08	22.00
20	64QAM	1	0	20.98	21.21	21.01	22.00
20	64QAM	1	49	21.05	21.31	21.07	22.00
20	64QAM	1	99	20.98	21.22	20.97	22.00
20	64QAM	50	0	19.92	20.17	19.95	21.00
20	64QAM	50	24	20.07	20.29	20.09	21.00
20	64QAM	50	50	19.92	20.20	20.00	21.00
20	64QAM	100	0	20.05	20.26	20.06	21.00
20	256QAM	1	0	18.01	18.22	18.01	19.00
20	256QAM	1	49	18.06	18.26	18.14	19.00
20	256QAM	1	99	18.06	18.29	18.15	19.00
20	256QAM	50	0	17.96	18.20	18.07	19.00
20	256QAM	50	24	18.09	18.30	18.14	19.00
20	256QAM	50	50	18.09	18.37	18.17	19.00
20	256QAM	100	0	17.99	18.27	18.04	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.88	23.04	22.98	24.00
15	QPSK	1	37	22.66	23.07	22.87	24.00
15	QPSK	1	74	22.51	22.94	22.77	24.00
15	QPSK	36	0	22.09	22.31	22.09	23.00
15	QPSK	36	20	21.96	22.27	22.04	23.00
15	QPSK	36	39	21.86	22.14	21.94	23.00
15	QPSK	75	0	22.00	22.23	21.99	23.00



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15	16QAM	1	0	21.87	22.00	21.89	23.00
15	16QAM	1	37	21.96	22.12	21.91	23.00
15	16QAM	1	74	21.66	21.95	21.68	23.00
15	16QAM	36	0	20.87	21.13	20.97	22.00
15	16QAM	36	20	20.86	21.14	21.08	22.00
15	16QAM	36	39	20.90	21.17	21.03	22.00
15	16QAM	75	0	20.89	21.24	21.03	22.00
15	64QAM	1	0	20.83	21.15	20.95	22.00
15	64QAM	1	37	20.92	21.24	21.01	22.00
15	64QAM	1	74	20.94	21.19	20.93	22.00
15	64QAM	36	0	19.90	20.13	19.86	21.00
15	64QAM	36	20	20.00	20.25	20.01	21.00
15	64QAM	36	39	19.86	20.18	19.88	21.00
15	64QAM	75	0	19.98	20.16	19.93	21.00
15	256QAM	1	0	17.92	18.08	17.97	19.00
15	256QAM	1	37	17.94	18.21	17.99	19.00
15	256QAM	1	74	17.97	18.17	18.05	19.00
15	256QAM	36	0	17.83	18.17	17.93	19.00
15	256QAM	36	20	18.02	18.23	18.08	19.00
15	256QAM	36	39	17.97	18.27	18.03	19.00
15	256QAM	75	0	17.88	18.23	17.90	19.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	22.86	23.02	22.91	24.00
10	QPSK	1	25	22.71	23.01	22.88	24.00
10	QPSK	1	49	22.55	22.83	22.64	24.00
10	QPSK	25	0	22.04	22.22	22.01	23.00
10	QPSK	25	12	22.00	22.28	21.99	23.00
10	QPSK	25	25	21.89	22.15	21.85	23.00
10	QPSK	50	0	22.02	22.19	21.98	23.00
10	16QAM	1	0	21.81	21.99	21.92	23.00
10	16QAM	1	25	21.93	22.16	21.92	23.00
10	16QAM	1	49	21.75	21.95	21.77	23.00
10	16QAM	25	0	20.90	21.13	20.85	22.00
10	16QAM	25	12	20.98	21.16	20.99	22.00
10	16QAM	25	25	20.94	21.11	20.93	22.00
10	16QAM	50	0	20.87	21.23	21.05	22.00
10	64QAM	1	0	20.94	21.07	20.93	22.00
10	64QAM	1	25	20.95	21.24	21.02	22.00
10	64QAM	1	49	20.95	21.10	20.87	22.00
10	64QAM	25	0	19.80	20.05	19.86	21.00
10	64QAM	25	12	19.94	20.21	20.08	21.00
10	64QAM	25	25	19.84	20.17	19.92	21.00
10	64QAM	50	0	19.97	20.16	19.97	21.00
10	256QAM	1	0	17.97	18.17	17.94	19.00
10	256QAM	1	25	17.97	18.18	18.03	19.00
10	256QAM	1	49	17.93	18.24	18.13	19.00
10	256QAM	25	0	17.95	18.17	18.00	19.00
10	256QAM	25	12	18.02	18.22	18.07	19.00
10	256QAM	25	25	18.01	18.35	18.15	19.00
10	256QAM	50	0	17.88	18.18	18.00	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	22.82	23.12	22.89	24.00
5	QPSK	1	12	22.68	23.06	22.88	24.00
5	QPSK	1	24	22.60	22.84	22.71	24.00
5	QPSK	12	0	22.03	22.22	22.07	23.00
5	QPSK	12	7	22.06	22.20	21.99	23.00
5	QPSK	12	13	21.87	22.18	21.98	23.00
5	QPSK	25	0	22.03	22.25	22.02	23.00
5	16QAM	1	0	21.91	22.03	21.97	23.00
5	16QAM	1	12	21.90	22.15	21.89	23.00
5	16QAM	1	24	21.72	22.01	21.71	23.00
5	16QAM	12	0	20.93	21.13	20.86	22.00
5	16QAM	12	7	20.90	21.21	20.99	22.00
5	16QAM	12	13	20.95	21.13	21.00	22.00
5	16QAM	25	0	20.94	21.11	20.99	22.00
5	64QAM	1	0	20.93	21.13	20.99	22.00
5	64QAM	1	12	20.92	21.17	21.02	22.00
5	64QAM	1	24	20.90	21.12	20.93	22.00
5	64QAM	12	0	19.89	20.10	19.86	21.00
5	64QAM	12	7	20.04	20.23	20.03	21.00
5	64QAM	12	13	19.84	20.07	19.98	21.00
5	64QAM	25	0	19.93	20.23	19.99	21.00
5	256QAM	1	0	17.91	18.18	17.88	19.00
5	256QAM	1	12	17.94	18.21	18.06	19.00
5	256QAM	1	24	17.98	18.15	18.11	19.00
5	256QAM	12	0	17.83	18.12	18.04	19.00



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5	256QAM	12	7	17.96	18.15	18.13	19.00
5	256QAM	12	13	18.00	18.35	18.15	19.00
5	256QAM	25	0	17.97	18.25	18.00	19.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	22.91	23.10	22.87	24.00
3	QPSK	1	8	22.78	22.97	22.87	24.00
3	QPSK	1	14	22.60	22.89	22.72	24.00
3	QPSK	8	0	22.04	22.20	22.01	23.00
3	QPSK	8	4	22.01	22.28	21.97	23.00
3	QPSK	8	7	21.91	22.10	21.98	23.00
3	QPSK	15	0	22.02	22.19	22.04	23.00
3	16QAM	1	0	21.83	22.02	21.97	23.00
3	16QAM	1	8	21.98	22.23	21.95	23.00
3	16QAM	1	14	21.77	22.04	21.75	23.00
3	16QAM	8	0	20.87	21.10	20.93	22.00
3	16QAM	8	4	20.87	21.16	21.08	22.00
3	16QAM	8	7	20.90	21.06	20.97	22.00
3	16QAM	15	0	20.94	21.23	20.94	22.00
3	64QAM	1	0	20.84	21.16	20.97	22.00
3	64QAM	1	8	20.92	21.25	20.99	22.00
3	64QAM	1	14	20.87	21.09	20.85	22.00
3	64QAM	8	0	19.81	20.09	19.84	21.00
3	64QAM	8	4	19.96	20.18	19.94	21.00
3	64QAM	8	7	19.88	20.13	19.86	21.00
3	64QAM	15	0	19.91	20.16	20.03	21.00
3	256QAM	1	0	18.00	18.21	17.97	19.00
3	256QAM	1	8	18.05	18.16	18.02	19.00
3	256QAM	1	14	18.00	18.23	18.14	19.00
3	256QAM	8	0	17.88	18.16	18.04	19.00
3	256QAM	8	4	18.06	18.18	18.03	19.00
3	256QAM	8	7	17.99	18.36	18.10	19.00
3	256QAM	15	0	17.97	18.14	17.94	19.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	22.85	23.00	22.93	24.00
1.4	QPSK	1	3	22.76	23.04	22.93	24.00
1.4	QPSK	1	5	22.58	22.93	22.66	24.00
1.4	QPSK	3	0	22.94	23.12	22.99	24.00
1.4	QPSK	3	1	22.94	23.13	22.93	24.00
1.4	QPSK	3	3	22.95	23.13	22.86	24.00
1.4	QPSK	6	0	21.93	22.24	22.05	23.00
1.4	16QAM	1	0	21.92	22.09	21.89	23.00
1.4	16QAM	1	3	21.97	22.16	21.95	23.00
1.4	16QAM	1	5	21.74	21.92	21.77	23.00
1.4	16QAM	3	0	21.93	22.16	21.88	23.00
1.4	16QAM	3	1	21.97	22.27	22.04	23.00
1.4	16QAM	3	3	21.86	22.05	21.94	23.00
1.4	16QAM	6	0	20.95	21.13	21.07	22.00
1.4	64QAM	1	0	20.84	21.15	20.93	22.00
1.4	64QAM	1	3	20.91	21.18	20.94	22.00
1.4	64QAM	1	5	20.85	21.17	20.93	22.00
1.4	64QAM	3	0	20.78	21.14	20.90	22.00
1.4	64QAM	3	1	21.05	21.19	21.00	22.00
1.4	64QAM	3	3	20.81	21.11	20.98	22.00
1.4	64QAM	6	0	19.92	20.13	20.04	21.00
1.4	256QAM	1	0	17.95	18.12	17.91	19.00
1.4	256QAM	1	3	18.01	18.21	18.10	19.00
1.4	256QAM	1	5	18.01	18.15	18.07	19.00
1.4	256QAM	3	0	17.90	18.19	17.94	19.00
1.4	256QAM	3	1	18.00	18.16	18.03	19.00
1.4	256QAM	3	3	17.96	18.31	18.13	19.00
1.4	256QAM	6	0	17.97	18.17	18.00	19.00

**【LTE Band 25_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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.01	23.06	22.95	24.00
20	QPSK	1	49	22.93	23.01	22.86	24.00
20	QPSK	1	99	22.84	22.92	22.72	24.00
20	QPSK	50	0	22.03	22.18	22.04	23.00
20	QPSK	50	24	22.00	22.12	21.91	23.00
20	QPSK	50	50	21.99	22.13	21.97	23.00
20	QPSK	100	0	21.94	22.08	21.94	23.00
20	16QAM	1	0	22.07	22.17	22.00	23.00
20	16QAM	1	49	22.10	22.22	22.08	23.00
20	16QAM	1	99	22.10	22.20	21.97	23.00
20	16QAM	50	0	20.97	21.07	20.95	22.00
20	16QAM	50	24	21.00	21.16	20.95	22.00
20	16QAM	50	50	20.93	21.10	20.88	22.00
20	16QAM	100	0	20.94	21.12	21.01	22.00
20	64QAM	1	0	20.92	21.02	20.83	22.00
20	64QAM	1	49	20.99	21.08	20.89	22.00
20	64QAM	1	99	21.05	21.19	21.06	22.00
20	64QAM	50	0	19.84	20.03	19.83	21.00
20	64QAM	50	24	20.10	20.18	20.01	21.00
20	64QAM	50	50	20.05	20.16	20.01	21.00
20	64QAM	100	0	20.09	20.15	19.96	21.00
20	256QAM	1	0	17.89	18.07	17.96	19.00
20	256QAM	1	49	17.99	18.14	17.93	19.00
20	256QAM	1	99	18.09	18.21	18.09	19.00
20	256QAM	50	0	17.90	18.07	17.93	19.00
20	256QAM	50	24	18.16	18.23	18.11	19.00
20	256QAM	50	50	18.11	18.16	17.94	19.00
20	256QAM	100	0	17.97	18.14	17.91	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.96	22.96	22.94	24.00
15	QPSK	1	37	22.92	22.93	22.81	24.00
15	QPSK	1	74	22.69	22.85	22.62	24.00
15	QPSK	36	0	22.01	22.04	22.01	23.00
15	QPSK	36	20	21.95	22.05	21.81	23.00
15	QPSK	36	39	21.90	22.06	21.94	23.00
15	QPSK	75	0	21.88	22.06	21.80	23.00
15	16QAM	1	0	22.05	22.06	21.99	23.00
15	16QAM	1	37	21.97	22.09	22.06	23.00
15	16QAM	1	74	21.97	22.06	21.88	23.00
15	16QAM	36	0	20.95	21.06	20.93	22.00
15	16QAM	36	20	20.95	21.02	20.86	22.00
15	16QAM	36	39	20.88	20.97	20.78	22.00
15	16QAM	75	0	20.93	21.04	21.00	22.00
15	64QAM	1	0	20.78	20.94	20.73	22.00
15	64QAM	1	37	20.96	20.96	20.81	22.00
15	64QAM	1	74	20.97	21.16	20.92	22.00
15	64QAM	36	0	19.71	20.01	19.80	21.00
15	64QAM	36	20	19.99	20.16	19.98	21.00
15	64QAM	36	39	19.94	20.04	19.86	21.00
15	64QAM	75	0	20.06	20.05	19.85	21.00
15	256QAM	1	0	17.82	18.04	17.91	19.00
15	256QAM	1	37	17.95	18.12	17.84	19.00
15	256QAM	1	74	17.96	18.08	18.04	19.00
15	256QAM	36	0	17.81	18.06	17.89	19.00
15	256QAM	36	20	18.13	18.13	18.06	19.00
15	256QAM	36	39	18.07	18.12	17.86	19.00
15	256QAM	75	0	17.90	18.09	17.80	19.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	22.92	23.05	22.82	24.00
10	QPSK	1	25	22.84	22.89	22.72	24.00
10	QPSK	1	49	22.80	22.87	22.68	24.00
10	QPSK	25	0	21.97	22.09	21.91	23.00
10	QPSK	25	12	21.88	22.04	21.83	23.00
10	QPSK	25	25	21.92	22.06	21.83	23.00
10	QPSK	50	0	21.92	21.97	21.89	23.00
10	16QAM	1	0	21.95	22.06	21.85	23.00
10	16QAM	1	25	21.97	22.17	22.03	23.00
10	16QAM	1	49	21.96	22.12	21.85	23.00
10	16QAM	25	0	20.88	21.01	20.88	22.00



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10	16QAM	25	12	20.90	21.11	20.81	22.00
10	16QAM	25	25	20.86	21.04	20.84	22.00
10	16QAM	50	0	20.80	21.06	20.87	22.00
10	64QAM	1	0	20.89	21.01	20.81	22.00
10	64QAM	1	25	20.96	20.97	20.80	22.00
10	64QAM	1	49	20.91	21.16	20.92	22.00
10	64QAM	25	0	19.69	19.89	19.76	21.00
10	64QAM	25	12	20.01	20.11	19.89	21.00
10	64QAM	25	25	19.94	20.12	19.93	21.00
10	64QAM	50	0	19.98	20.12	19.83	21.00
10	256QAM	1	0	17.87	17.92	17.92	19.00
10	256QAM	1	25	17.95	18.08	17.92	19.00
10	256QAM	1	49	18.06	18.09	17.96	19.00
10	256QAM	25	0	17.89	17.93	17.85	19.00
10	256QAM	25	12	18.06	18.11	18.07	19.00
10	256QAM	25	25	18.01	18.02	17.93	19.00
10	256QAM	50	0	17.95	18.05	17.88	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	22.94	23.01	22.88	24.00
5	QPSK	1	12	22.89	22.89	22.84	24.00
5	QPSK	1	24	22.80	22.80	22.64	24.00
5	QPSK	12	0	21.93	22.17	21.92	23.00
5	QPSK	12	7	21.93	22.08	21.86	23.00
5	QPSK	12	13	21.94	22.05	21.95	23.00
5	QPSK	25	0	21.83	22.05	21.83	23.00
5	16QAM	1	0	22.06	22.05	21.88	23.00
5	16QAM	1	12	22.03	22.17	22.04	23.00
5	16QAM	1	24	22.06	22.18	21.95	23.00
5	16QAM	12	0	20.94	20.93	20.94	22.00
5	16QAM	12	7	20.95	21.07	20.84	22.00
5	16QAM	12	13	20.84	20.97	20.84	22.00
5	16QAM	25	0	20.88	21.11	20.90	22.00
5	64QAM	1	0	20.84	20.99	20.78	22.00
5	64QAM	1	12	20.92	20.96	20.83	22.00
5	64QAM	1	24	21.00	21.10	21.02	22.00
5	64QAM	12	0	19.77	19.96	19.77	21.00
5	64QAM	12	7	19.98	20.12	19.87	21.00
5	64QAM	12	13	20.00	20.12	19.90	21.00
5	64QAM	25	0	20.05	20.09	19.84	21.00
5	256QAM	1	0	17.87	17.95	17.83	19.00
5	256QAM	1	12	17.94	18.08	17.84	19.00
5	256QAM	1	24	17.97	18.13	18.08	19.00
5	256QAM	12	0	17.81	17.93	17.86	19.00
5	256QAM	12	7	18.07	18.18	18.05	19.00
5	256QAM	12	13	18.09	18.15	17.88	19.00
5	256QAM	25	0	17.88	18.11	17.81	19.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	22.94	22.92	22.89	24.00
3	QPSK	1	8	22.79	22.92	22.75	24.00
3	QPSK	1	14	22.70	22.83	22.69	24.00
3	QPSK	8	0	21.93	22.14	22.02	23.00
3	QPSK	8	4	21.91	22.02	21.77	23.00
3	QPSK	8	7	21.95	22.03	21.82	23.00
3	QPSK	15	0	21.86	21.98	21.87	23.00
3	16QAM	1	0	22.02	22.13	21.88	23.00
3	16QAM	1	8	22.07	22.16	21.97	23.00
3	16QAM	1	14	22.06	22.10	21.92	23.00
3	16QAM	8	0	20.96	21.06	20.86	22.00
3	16QAM	8	4	20.88	21.08	20.86	22.00
3	16QAM	8	7	20.87	21.02	20.87	22.00
3	16QAM	15	0	20.89	21.04	20.93	22.00
3	64QAM	1	0	20.82	20.88	20.76	22.00
3	64QAM	1	8	20.95	20.96	20.76	22.00
3	64QAM	1	14	21.00	21.18	21.03	22.00
3	64QAM	8	0	19.79	20.02	19.82	21.00
3	64QAM	8	4	20.00	20.05	19.91	21.00
3	64QAM	8	7	19.97	20.05	19.96	21.00
3	64QAM	15	0	19.99	20.07	19.91	21.00
3	256QAM	1	0	17.86	18.02	17.83	19.00
3	256QAM	1	8	17.90	18.00	17.84	19.00
3	256QAM	1	14	18.02	18.10	17.95	19.00
3	256QAM	8	0	17.78	17.94	17.81	19.00
3	256QAM	8	4	18.14	18.21	18.06	19.00
3	256QAM	8	7	18.07	18.13	17.83	19.00
3	256QAM	15	0	17.95	18.05	17.90	19.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	22.91	22.94	22.86	24.00
1.4	QPSK	1	3	22.89	22.86	22.73	24.00
1.4	QPSK	1	5	22.77	22.89	22.63	24.00
1.4	QPSK	3	0	22.88	23.05	22.91	24.00
1.4	QPSK	3	1	22.93	23.03	22.78	24.00
1.4	QPSK	3	3	22.97	23.02	22.88	24.00
1.4	QPSK	6	0	21.86	21.94	21.82	23.00
1.4	16QAM	1	0	22.01	22.15	21.91	23.00
1.4	16QAM	1	3	22.04	22.10	21.95	23.00
1.4	16QAM	1	5	21.98	22.06	21.86	23.00
1.4	16QAM	3	0	21.85	22.03	21.86	23.00
1.4	16QAM	3	1	21.85	22.04	21.93	23.00
1.4	16QAM	3	3	21.87	21.99	21.78	23.00
1.4	16QAM	6	0	20.89	20.99	20.93	22.00
1.4	64QAM	1	0	20.91	20.89	20.73	22.00
1.4	64QAM	1	3	20.96	21.01	20.80	22.00
1.4	64QAM	1	5	21.02	21.06	20.97	22.00
1.4	64QAM	3	0	20.82	20.92	20.70	22.00
1.4	64QAM	3	1	21.00	21.08	20.99	22.00
1.4	64QAM	3	3	20.98	21.04	20.98	22.00
1.4	64QAM	6	0	20.02	20.03	19.81	21.00
1.4	256QAM	1	0	17.74	17.92	17.87	19.00
1.4	256QAM	1	3	17.89	18.11	17.84	19.00
1.4	256QAM	1	5	17.98	18.13	18.01	19.00
1.4	256QAM	3	0	17.77	17.99	17.92	19.00
1.4	256QAM	3	1	18.04	18.15	18.06	19.00
1.4	256QAM	3	3	18.02	18.09	17.86	19.00
1.4	256QAM	6	0	17.91	18.07	17.88	19.00

【LTE Band 25_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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.01	23.06	22.95	24.00
20	QPSK	1	49	22.93	23.01	22.86	24.00
20	QPSK	1	99	22.84	22.92	22.72	24.00
20	QPSK	50	0	22.03	22.18	22.04	23.00
20	QPSK	50	24	22.00	22.12	21.91	23.00
20	QPSK	50	50	21.99	22.13	21.97	23.00
20	QPSK	100	0	21.94	22.08	21.94	23.00
20	16QAM	1	0	22.07	22.17	22.00	23.00
20	16QAM	1	49	22.10	22.22	22.08	23.00
20	16QAM	1	99	22.10	22.20	21.97	23.00
20	16QAM	50	0	20.97	21.07	20.95	22.00
20	16QAM	50	24	21.00	21.16	20.95	22.00
20	16QAM	50	50	20.93	21.10	20.88	22.00
20	16QAM	100	0	20.94	21.12	21.01	22.00
20	64QAM	1	0	20.92	21.02	20.83	22.00
20	64QAM	1	49	20.99	21.08	20.89	22.00
20	64QAM	1	99	21.05	21.19	21.06	22.00
20	64QAM	50	0	19.84	20.03	19.83	21.00
20	64QAM	50	24	20.10	20.18	20.01	21.00
20	64QAM	50	50	20.05	20.16	20.01	21.00
20	64QAM	100	0	20.09	20.15	19.96	21.00
20	256QAM	1	0	17.89	18.07	17.96	19.00
20	256QAM	1	49	17.99	18.14	17.93	19.00
20	256QAM	1	99	18.09	18.21	18.09	19.00
20	256QAM	50	0	17.90	18.07	17.93	19.00
20	256QAM	50	24	18.16	18.23	18.11	19.00
20	256QAM	50	50	18.11	18.16	17.94	19.00
20	256QAM	100	0	17.97	18.14	17.91	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.96	22.96	22.94	24.00
15	QPSK	1	37	22.92	22.93	22.81	24.00
15	QPSK	1	74	22.69	22.85	22.62	24.00
15	QPSK	36	0	22.01	22.04	22.01	23.00
15	QPSK	36	20	21.95	22.05	21.81	23.00
15	QPSK	36	39	21.90	22.06	21.94	23.00
15	QPSK	75	0	21.88	22.06	21.80	23.00



15	16QAM	1	0	22.05	22.06	21.99	23.00
15	16QAM	1	37	21.97	22.09	22.06	23.00
15	16QAM	1	74	21.97	22.06	21.88	23.00
15	16QAM	36	0	20.95	21.06	20.93	22.00
15	16QAM	36	20	20.95	21.02	20.86	22.00
15	16QAM	36	39	20.88	20.97	20.78	22.00
15	16QAM	75	0	20.93	21.04	21.00	22.00
15	64QAM	1	0	20.78	20.94	20.73	22.00
15	64QAM	1	37	20.96	20.96	20.81	22.00
15	64QAM	1	74	20.97	21.16	20.92	22.00
15	64QAM	36	0	19.71	20.01	19.80	21.00
15	64QAM	36	20	19.99	20.16	19.98	21.00
15	64QAM	36	39	19.94	20.04	19.86	21.00
15	64QAM	75	0	20.06	20.05	19.85	21.00
15	256QAM	1	0	17.82	18.04	17.91	19.00
15	256QAM	1	37	17.95	18.12	17.84	19.00
15	256QAM	1	74	17.96	18.08	18.04	19.00
15	256QAM	36	0	17.81	18.06	17.89	19.00
15	256QAM	36	20	18.13	18.13	18.06	19.00
15	256QAM	36	39	18.07	18.12	17.86	19.00
15	256QAM	75	0	17.90	18.09	17.80	19.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	22.92	23.05	22.82	24.00
10	QPSK	1	25	22.84	22.89	22.72	24.00
10	QPSK	1	49	22.80	22.87	22.68	24.00
10	QPSK	25	0	21.97	22.09	21.91	23.00
10	QPSK	25	12	21.88	22.04	21.83	23.00
10	QPSK	25	25	21.92	22.06	21.83	23.00
10	QPSK	50	0	21.92	21.97	21.89	23.00
10	16QAM	1	0	21.95	22.06	21.85	23.00
10	16QAM	1	25	21.97	22.17	22.03	23.00
10	16QAM	1	49	21.96	22.12	21.85	23.00
10	16QAM	25	0	20.88	21.01	20.88	22.00
10	16QAM	25	12	20.90	21.11	20.81	22.00
10	16QAM	25	25	20.86	21.04	20.84	22.00
10	16QAM	50	0	20.80	21.06	20.87	22.00
10	64QAM	1	0	20.89	21.01	20.81	22.00
10	64QAM	1	25	20.96	20.97	20.80	22.00
10	64QAM	1	49	20.91	21.16	20.92	22.00
10	64QAM	25	0	19.69	19.89	19.76	21.00
10	64QAM	25	12	20.01	20.11	19.89	21.00
10	64QAM	25	25	19.94	20.12	19.93	21.00
10	64QAM	50	0	19.98	20.12	19.83	21.00
10	256QAM	1	0	17.87	17.92	17.92	19.00
10	256QAM	1	25	17.95	18.08	17.92	19.00
10	256QAM	1	49	18.06	18.09	17.96	19.00
10	256QAM	25	0	17.89	17.93	17.85	19.00
10	256QAM	25	12	18.06	18.11	18.07	19.00
10	256QAM	25	25	18.01	18.02	17.93	19.00
10	256QAM	50	0	17.95	18.05	17.88	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	22.94	23.01	22.88	24.00
5	QPSK	1	12	22.89	22.89	22.84	24.00
5	QPSK	1	24	22.80	22.80	22.64	24.00
5	QPSK	12	0	21.93	22.17	21.92	23.00
5	QPSK	12	7	21.93	22.08	21.86	23.00
5	QPSK	12	13	21.94	22.05	21.95	23.00
5	QPSK	25	0	21.83	22.05	21.83	23.00
5	16QAM	1	0	22.06	22.05	21.88	23.00
5	16QAM	1	12	22.03	22.17	22.04	23.00
5	16QAM	1	24	22.06	22.18	21.95	23.00
5	16QAM	12	0	20.94	20.93	20.94	22.00
5	16QAM	12	7	20.95	21.07	20.84	22.00
5	16QAM	12	13	20.84	20.97	20.84	22.00
5	16QAM	25	0	20.88	21.11	20.90	22.00
5	64QAM	1	0	20.84	20.99	20.78	22.00
5	64QAM	1	12	20.92	20.96	20.83	22.00
5	64QAM	1	24	21.00	21.10	21.02	22.00
5	64QAM	12	0	19.77	19.96	19.77	21.00
5	64QAM	12	7	19.98	20.12	19.87	21.00
5	64QAM	12	13	20.00	20.12	19.90	21.00
5	64QAM	25	0	20.05	20.09	19.84	21.00
5	256QAM	1	0	17.87	17.95	17.83	19.00
5	256QAM	1	12	17.94	18.08	17.84	19.00
5	256QAM	1	24	17.97	18.13	18.08	19.00
5	256QAM	12	0	17.81	17.93	17.86	19.00



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5	256QAM	12	7	18.07	18.18	18.05	19.00
5	256QAM	12	13	18.09	18.15	17.88	19.00
5	256QAM	25	0	17.88	18.11	17.81	19.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	22.94	22.92	22.89	24.00
3	QPSK	1	8	22.79	22.92	22.75	24.00
3	QPSK	1	14	22.70	22.83	22.69	24.00
3	QPSK	8	0	21.93	22.14	22.02	23.00
3	QPSK	8	4	21.91	22.02	21.77	23.00
3	QPSK	8	7	21.95	22.03	21.82	23.00
3	QPSK	15	0	21.86	21.98	21.87	23.00
3	16QAM	1	0	22.02	22.13	21.88	23.00
3	16QAM	1	8	22.07	22.16	21.97	23.00
3	16QAM	1	14	22.06	22.10	21.92	23.00
3	16QAM	8	0	20.96	21.06	20.86	22.00
3	16QAM	8	4	20.88	21.08	20.86	22.00
3	16QAM	8	7	20.87	21.02	20.87	22.00
3	16QAM	15	0	20.89	21.04	20.93	22.00
3	64QAM	1	0	20.82	20.88	20.76	22.00
3	64QAM	1	8	20.95	20.96	20.76	22.00
3	64QAM	1	14	21.00	21.18	21.03	22.00
3	64QAM	8	0	19.79	20.02	19.82	21.00
3	64QAM	8	4	20.00	20.05	19.91	21.00
3	64QAM	8	7	19.97	20.05	19.96	21.00
3	64QAM	15	0	19.99	20.07	19.91	21.00
3	256QAM	1	0	17.86	18.02	17.83	19.00
3	256QAM	1	8	17.90	18.00	17.84	19.00
3	256QAM	1	14	18.02	18.10	17.95	19.00
3	256QAM	8	0	17.78	17.94	17.81	19.00
3	256QAM	8	4	18.14	18.21	18.06	19.00
3	256QAM	8	7	18.07	18.13	17.83	19.00
3	256QAM	15	0	17.95	18.05	17.90	19.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	22.91	22.94	22.86	24.00
1.4	QPSK	1	3	22.89	22.86	22.73	24.00
1.4	QPSK	1	5	22.77	22.89	22.63	24.00
1.4	QPSK	3	0	22.88	23.05	22.91	24.00
1.4	QPSK	3	1	22.93	23.03	22.78	24.00
1.4	QPSK	3	3	22.97	23.02	22.88	24.00
1.4	QPSK	6	0	21.86	21.94	21.82	23.00
1.4	16QAM	1	0	22.01	22.15	21.91	23.00
1.4	16QAM	1	3	22.04	22.10	21.95	23.00
1.4	16QAM	1	5	21.98	22.06	21.86	23.00
1.4	16QAM	3	0	21.85	22.03	21.86	23.00
1.4	16QAM	3	1	21.85	22.04	21.93	23.00
1.4	16QAM	3	3	21.87	21.99	21.78	23.00
1.4	16QAM	6	0	20.89	20.99	20.93	22.00
1.4	64QAM	1	0	20.91	20.89	20.73	22.00
1.4	64QAM	1	3	20.96	21.01	20.80	22.00
1.4	64QAM	1	5	21.02	21.06	20.97	22.00
1.4	64QAM	3	0	20.82	20.92	20.70	22.00
1.4	64QAM	3	1	21.00	21.08	20.99	22.00
1.4	64QAM	3	3	20.98	21.04	20.98	22.00
1.4	64QAM	6	0	20.02	20.03	19.81	21.00
1.4	256QAM	1	0	17.74	17.92	17.87	19.00
1.4	256QAM	1	3	17.89	18.11	17.84	19.00
1.4	256QAM	1	5	17.98	18.13	18.01	19.00
1.4	256QAM	3	0	17.77	17.99	17.92	19.00
1.4	256QAM	3	1	18.04	18.15	18.06	19.00
1.4	256QAM	3	3	18.02	18.09	17.86	19.00
1.4	256QAM	6	0	17.91	18.07	17.88	19.00



【LTE Band 25_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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.53	19.62	19.39	20.50
20	QPSK	1	49	19.49	19.56	19.34	20.50
20	QPSK	1	99	19.61	19.51	19.46	20.50
20	QPSK	50	0	19.55	19.60	19.46	20.50
20	QPSK	50	24	19.49	19.54	19.55	20.50
20	QPSK	50	50	19.55	19.53	19.49	20.50
20	QPSK	100	0	19.53	19.58	19.40	20.50
20	16QAM	1	0	19.48	19.66	19.50	20.50
20	16QAM	1	49	19.49	19.58	19.56	20.50
20	16QAM	1	99	19.54	19.45	19.39	20.50
20	16QAM	50	0	19.57	19.59	19.43	20.50
20	16QAM	50	24	19.56	19.50	19.54	20.50
20	16QAM	50	50	19.51	19.46	19.53	20.50
20	16QAM	100	0	19.39	19.67	19.53	20.50
20	64QAM	1	0	19.41	19.50	19.44	20.50
20	64QAM	1	49	19.49	19.55	19.57	20.50
20	64QAM	1	99	19.59	19.57	19.39	20.50
20	64QAM	50	0	19.62	19.67	19.55	20.50
20	64QAM	50	24	19.45	19.54	19.40	20.50
20	64QAM	50	50	19.52	19.67	19.46	20.50
20	64QAM	100	0	19.61	19.59	19.53	20.50
20	256QAM	1	0	17.89	18.07	17.96	19.00
20	256QAM	1	49	17.99	18.14	17.93	19.00
20	256QAM	1	99	18.09	18.21	18.09	19.00
20	256QAM	50	0	17.90	18.07	17.93	19.00
20	256QAM	50	24	18.16	18.23	18.11	19.00
20	256QAM	50	50	18.11	18.16	17.94	19.00
20	256QAM	100	0	17.97	18.14	17.91	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.44	19.51	19.37	20.50
15	QPSK	1	37	19.46	19.48	19.26	20.50
15	QPSK	1	74	19.53	19.44	19.36	20.50
15	QPSK	36	0	19.42	19.49	19.37	20.50
15	QPSK	36	20	19.48	19.50	19.39	20.50
15	QPSK	36	39	19.43	19.49	19.37	20.50
15	QPSK	75	0	19.39	19.53	19.25	20.50
15	16QAM	1	0	19.42	19.54	19.37	20.50
15	16QAM	1	37	19.37	19.55	19.38	20.50
15	16QAM	1	74	19.48	19.41	19.27	20.50
15	16QAM	36	0	19.53	19.44	19.37	20.50
15	16QAM	36	20	19.51	19.42	19.39	20.50
15	16QAM	36	39	19.39	19.44	19.38	20.50
15	16QAM	75	0	19.31	19.61	19.38	20.50
15	64QAM	1	0	19.40	19.47	19.30	20.50
15	64QAM	1	37	19.35	19.43	19.38	20.50
15	64QAM	1	74	19.47	19.49	19.34	20.50
15	64QAM	36	0	19.49	19.60	19.38	20.50
15	64QAM	36	20	19.34	19.44	19.25	20.50
15	64QAM	36	39	19.48	19.54	19.38	20.50
15	64QAM	75	0	19.52	19.57	19.39	20.50
15	256QAM	1	0	17.76	18.01	17.89	19.00
15	256QAM	1	37	17.88	18.04	17.81	19.00
15	256QAM	1	74	18.00	18.17	18.05	19.00
15	256QAM	36	0	17.84	17.97	17.88	19.00
15	256QAM	36	20	18.01	18.12	17.98	19.00
15	256QAM	36	39	18.03	18.04	17.84	19.00
15	256QAM	75	0	17.95	18.02	17.78	19.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.45	19.54	19.26	20.50
10	QPSK	1	25	19.47	19.53	19.21	20.50
10	QPSK	1	49	19.53	19.49	19.39	20.50
10	QPSK	25	0	19.49	19.59	19.34	20.50
10	QPSK	25	12	19.45	19.43	19.37	20.50
10	QPSK	25	25	19.42	19.47	19.39	20.50
10	QPSK	50	0	19.50	19.45	19.26	20.50
10	16QAM	1	0	19.37	19.62	19.37	20.50
10	16QAM	1	25	19.37	19.55	19.39	20.50
10	16QAM	1	49	19.49	19.31	19.30	20.50
10	16QAM	25	0	19.52	19.53	19.35	20.50



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10	16QAM	25	12	19.47	19.44	19.39	20.50
10	16QAM	25	25	19.38	19.39	19.39	20.50
10	16QAM	50	0	19.38	19.62	19.39	20.50
10	64QAM	1	0	19.40	19.38	19.30	20.50
10	64QAM	1	25	19.48	19.44	19.39	20.50
10	64QAM	1	49	19.50	19.52	19.30	20.50
10	64QAM	25	0	19.53	19.57	19.39	20.50
10	64QAM	25	12	19.34	19.52	19.38	20.50
10	64QAM	25	25	19.46	19.61	19.35	20.50
10	64QAM	50	0	19.53	19.58	19.39	20.50
10	256QAM	1	0	17.77	17.93	17.87	19.00
10	256QAM	1	25	17.89	18.12	17.86	19.00
10	256QAM	1	49	17.97	18.07	17.96	19.00
10	256QAM	25	0	17.79	18.05	17.80	19.00
10	256QAM	25	12	18.14	18.10	18.08	19.00
10	256QAM	25	25	18.09	18.06	17.88	19.00
10	256QAM	50	0	17.87	18.10	17.77	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	19.44	19.56	19.28	20.50
5	QPSK	1	12	19.48	19.47	19.30	20.50
5	QPSK	1	24	19.50	19.40	19.32	20.50
5	QPSK	12	0	19.53	19.58	19.37	20.50
5	QPSK	12	7	19.38	19.46	19.38	20.50
5	QPSK	12	13	19.41	19.50	19.36	20.50
5	QPSK	25	0	19.50	19.50	19.32	20.50
5	16QAM	1	0	19.41	19.62	19.39	20.50
5	16QAM	1	12	19.43	19.44	19.38	20.50
5	16QAM	1	24	19.40	19.43	19.30	20.50
5	16QAM	12	0	19.44	19.51	19.34	20.50
5	16QAM	12	7	19.50	19.46	19.37	20.50
5	16QAM	12	13	19.42	19.41	19.38	20.50
5	16QAM	25	0	19.36	19.62	19.39	20.50
5	64QAM	1	0	19.37	19.47	19.39	20.50
5	64QAM	1	12	19.43	19.52	19.39	20.50
5	64QAM	1	24	19.45	19.46	19.35	20.50
5	64QAM	12	0	19.48	19.54	19.38	20.50
5	64QAM	12	7	19.42	19.46	19.38	20.50
5	64QAM	12	13	19.45	19.61	19.35	20.50
5	64QAM	25	0	19.53	19.46	19.39	20.50
5	256QAM	1	0	17.74	17.96	17.90	19.00
5	256QAM	1	12	17.92	18.10	17.79	19.00
5	256QAM	1	24	18.00	18.07	18.06	19.00
5	256QAM	12	0	17.80	17.95	17.80	19.00
5	256QAM	12	7	18.11	18.09	18.09	19.00
5	256QAM	12	13	18.03	18.11	17.82	19.00
5	256QAM	25	0	17.88	18.08	17.82	19.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.47	19.56	19.27	20.50
3	QPSK	1	8	19.40	19.51	19.29	20.50
3	QPSK	1	14	19.51	19.43	19.38	20.50
3	QPSK	8	0	19.51	19.53	19.32	20.50
3	QPSK	8	4	19.40	19.53	19.38	20.50
3	QPSK	8	7	19.46	19.46	19.39	20.50
3	QPSK	15	0	19.46	19.52	19.29	20.50
3	16QAM	1	0	19.38	19.52	19.36	20.50
3	16QAM	1	8	19.37	19.50	19.38	20.50
3	16QAM	1	14	19.42	19.35	19.25	20.50
3	16QAM	8	0	19.44	19.55	19.38	20.50
3	16QAM	8	4	19.53	19.38	19.38	20.50
3	16QAM	8	7	19.49	19.43	19.38	20.50
3	16QAM	15	0	19.35	19.60	19.39	20.50
3	64QAM	1	0	19.36	19.42	19.33	20.50
3	64QAM	1	8	19.45	19.42	19.39	20.50
3	64QAM	1	14	19.51	19.49	19.29	20.50
3	64QAM	8	0	19.51	19.61	19.39	20.50
3	64QAM	8	4	19.40	19.49	19.26	20.50
3	64QAM	8	7	19.45	19.53	19.37	20.50
3	64QAM	15	0	19.48	19.49	19.39	20.50
3	256QAM	1	0	17.75	17.95	17.85	19.00
3	256QAM	1	8	17.94	18.08	17.86	19.00
3	256QAM	1	14	18.08	18.18	17.96	19.00
3	256QAM	8	0	17.84	17.99	17.86	19.00
3	256QAM	8	4	18.03	18.20	18.07	19.00
3	256QAM	8	7	18.03	18.08	17.89	19.00
3	256QAM	15	0	17.95	18.02	17.89	19.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	19.45	19.49	19.33	20.50
1.4	QPSK	1	3	19.35	19.46	19.30	20.50
1.4	QPSK	1	5	19.52	19.48	19.38	20.50
1.4	QPSK	3	0	19.43	19.50	19.34	20.50
1.4	QPSK	3	1	19.34	19.41	19.38	20.50
1.4	QPSK	3	3	19.43	19.43	19.39	20.50
1.4	QPSK	6	0	19.50	19.52	19.35	20.50
1.4	16QAM	1	0	19.37	19.62	19.37	20.50
1.4	16QAM	1	3	19.37	19.54	19.39	20.50
1.4	16QAM	1	5	19.44	19.42	19.25	20.50
1.4	16QAM	3	0	19.50	19.51	19.30	20.50
1.4	16QAM	3	1	19.46	19.38	19.39	20.50
1.4	16QAM	3	3	19.50	19.34	19.39	20.50
1.4	16QAM	6	0	19.38	19.56	19.39	20.50
1.4	64QAM	1	0	19.38	19.35	19.38	20.50
1.4	64QAM	1	3	19.40	19.46	19.39	20.50
1.4	64QAM	1	5	19.44	19.51	19.32	20.50
1.4	64QAM	3	0	19.53	19.62	19.38	20.50
1.4	64QAM	3	1	19.42	19.52	19.33	20.50
1.4	64QAM	3	3	19.50	19.53	19.37	20.50
1.4	64QAM	6	0	19.52	19.56	19.37	20.50
1.4	256QAM	1	0	17.83	17.93	17.86	19.00
1.4	256QAM	1	3	17.95	18.12	17.86	19.00
1.4	256QAM	1	5	18.03	18.06	18.01	19.00
1.4	256QAM	3	0	17.79	17.93	17.83	19.00
1.4	256QAM	3	1	18.08	18.20	18.08	19.00
1.4	256QAM	3	3	18.05	18.07	17.86	19.00
1.4	256QAM	6	0	17.85	18.08	17.84	19.00

【LTE Band 25_Ant 4_Hotspot 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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.53	19.62	19.39	20.50
20	QPSK	1	49	19.49	19.56	19.34	20.50
20	QPSK	1	99	19.61	19.51	19.46	20.50
20	QPSK	50	0	19.55	19.60	19.46	20.50
20	QPSK	50	24	19.49	19.54	19.55	20.50
20	QPSK	50	50	19.55	19.53	19.49	20.50
20	QPSK	100	0	19.53	19.58	19.40	20.50
20	16QAM	1	0	19.48	19.66	19.50	20.50
20	16QAM	1	49	19.49	19.58	19.56	20.50
20	16QAM	1	99	19.54	19.45	19.39	20.50
20	16QAM	50	0	19.57	19.59	19.43	20.50
20	16QAM	50	24	19.56	19.50	19.54	20.50
20	16QAM	50	50	19.51	19.46	19.53	20.50
20	16QAM	100	0	19.39	19.67	19.53	20.50
20	64QAM	1	0	19.41	19.50	19.44	20.50
20	64QAM	1	49	19.49	19.55	19.57	20.50
20	64QAM	1	99	19.59	19.57	19.39	20.50
20	64QAM	50	0	19.62	19.67	19.55	20.50
20	64QAM	50	24	19.45	19.54	19.40	20.50
20	64QAM	50	50	19.52	19.67	19.46	20.50
20	64QAM	100	0	19.61	19.59	19.53	20.50
20	256QAM	1	0	17.89	18.07	17.96	19.00
20	256QAM	1	49	17.99	18.14	17.93	19.00
20	256QAM	1	99	18.09	18.21	18.09	19.00
20	256QAM	50	0	17.90	18.07	17.93	19.00
20	256QAM	50	24	18.16	18.23	18.11	19.00
20	256QAM	50	50	18.11	18.16	17.94	19.00
20	256QAM	100	0	17.97	18.14	17.91	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.44	19.51	19.37	20.50
15	QPSK	1	37	19.46	19.48	19.26	20.50
15	QPSK	1	74	19.53	19.44	19.36	20.50
15	QPSK	36	0	19.42	19.49	19.37	20.50
15	QPSK	36	20	19.48	19.50	19.39	20.50
15	QPSK	36	39	19.43	19.49	19.37	20.50
15	QPSK	75	0	19.39	19.53	19.25	20.50



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15	16QAM	1	0	19.42	19.54	19.37	20.50
15	16QAM	1	37	19.37	19.55	19.38	20.50
15	16QAM	1	74	19.48	19.41	19.27	20.50
15	16QAM	36	0	19.53	19.44	19.37	20.50
15	16QAM	36	20	19.51	19.42	19.39	20.50
15	16QAM	36	39	19.39	19.44	19.38	20.50
15	16QAM	75	0	19.31	19.61	19.38	20.50
15	64QAM	1	0	19.40	19.47	19.30	20.50
15	64QAM	1	37	19.35	19.43	19.38	20.50
15	64QAM	1	74	19.47	19.49	19.34	20.50
15	64QAM	36	0	19.49	19.60	19.38	20.50
15	64QAM	36	20	19.34	19.44	19.25	20.50
15	64QAM	36	39	19.48	19.54	19.38	20.50
15	64QAM	75	0	19.52	19.57	19.39	20.50
15	256QAM	1	0	17.76	18.01	17.89	19.00
15	256QAM	1	37	17.88	18.04	17.81	19.00
15	256QAM	1	74	18.00	18.17	18.05	19.00
15	256QAM	36	0	17.84	17.97	17.88	19.00
15	256QAM	36	20	18.01	18.12	17.98	19.00
15	256QAM	36	39	18.03	18.04	17.84	19.00
15	256QAM	75	0	17.95	18.02	17.78	19.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	19.45	19.54	19.26	20.50
10	QPSK	1	25	19.47	19.53	19.21	20.50
10	QPSK	1	49	19.53	19.49	19.39	20.50
10	QPSK	25	0	19.49	19.59	19.34	20.50
10	QPSK	25	12	19.45	19.43	19.37	20.50
10	QPSK	25	25	19.42	19.47	19.39	20.50
10	QPSK	50	0	19.50	19.45	19.26	20.50
10	16QAM	1	0	19.37	19.62	19.37	20.50
10	16QAM	1	25	19.37	19.55	19.39	20.50
10	16QAM	1	49	19.49	19.31	19.30	20.50
10	16QAM	25	0	19.52	19.53	19.35	20.50
10	16QAM	25	12	19.47	19.44	19.39	20.50
10	16QAM	25	25	19.38	19.39	19.39	20.50
10	16QAM	50	0	19.38	19.62	19.39	20.50
10	64QAM	1	0	19.40	19.38	19.30	20.50
10	64QAM	1	25	19.48	19.44	19.39	20.50
10	64QAM	1	49	19.50	19.52	19.30	20.50
10	64QAM	25	0	19.53	19.57	19.39	20.50
10	64QAM	25	12	19.34	19.52	19.38	20.50
10	64QAM	25	25	19.46	19.61	19.35	20.50
10	64QAM	50	0	19.53	19.58	19.39	20.50
10	256QAM	1	0	17.77	17.93	17.87	19.00
10	256QAM	1	25	17.89	18.12	17.86	19.00
10	256QAM	1	49	17.97	18.07	17.96	19.00
10	256QAM	25	0	17.79	18.05	17.80	19.00
10	256QAM	25	12	18.14	18.10	18.08	19.00
10	256QAM	25	25	18.09	18.06	17.88	19.00
10	256QAM	50	0	17.87	18.10	17.77	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	19.44	19.56	19.28	20.50
5	QPSK	1	12	19.48	19.47	19.30	20.50
5	QPSK	1	24	19.50	19.40	19.32	20.50
5	QPSK	12	0	19.53	19.58	19.37	20.50
5	QPSK	12	7	19.38	19.46	19.38	20.50
5	QPSK	12	13	19.41	19.50	19.36	20.50
5	QPSK	25	0	19.50	19.50	19.32	20.50
5	16QAM	1	0	19.41	19.62	19.39	20.50
5	16QAM	1	12	19.43	19.44	19.38	20.50
5	16QAM	1	24	19.40	19.43	19.30	20.50
5	16QAM	12	0	19.44	19.51	19.34	20.50
5	16QAM	12	7	19.50	19.46	19.37	20.50
5	16QAM	12	13	19.42	19.41	19.38	20.50
5	16QAM	25	0	19.36	19.62	19.39	20.50
5	64QAM	1	0	19.37	19.47	19.39	20.50
5	64QAM	1	12	19.43	19.52	19.39	20.50
5	64QAM	1	24	19.45	19.46	19.35	20.50
5	64QAM	12	0	19.48	19.54	19.38	20.50
5	64QAM	12	7	19.42	19.46	19.38	20.50
5	64QAM	12	13	19.45	19.61	19.35	20.50
5	64QAM	25	0	19.53	19.46	19.39	20.50
5	256QAM	1	0	17.74	17.96	17.90	19.00
5	256QAM	1	12	17.92	18.10	17.79	19.00
5	256QAM	1	24	18.00	18.07	18.06	19.00
5	256QAM	12	0	17.80	17.95	17.80	19.00



5	256QAM	12	7	18.11	18.09	18.09	19.00
5	256QAM	12	13	18.03	18.11	17.82	19.00
5	256QAM	25	0	17.88	18.08	17.82	19.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	19.47	19.56	19.27	20.50
3	QPSK	1	8	19.40	19.51	19.29	20.50
3	QPSK	1	14	19.51	19.43	19.38	20.50
3	QPSK	8	0	19.51	19.53	19.32	20.50
3	QPSK	8	4	19.40	19.53	19.38	20.50
3	QPSK	8	7	19.46	19.46	19.39	20.50
3	QPSK	15	0	19.46	19.52	19.29	20.50
3	16QAM	1	0	19.38	19.52	19.36	20.50
3	16QAM	1	8	19.37	19.50	19.38	20.50
3	16QAM	1	14	19.42	19.35	19.25	20.50
3	16QAM	8	0	19.44	19.55	19.38	20.50
3	16QAM	8	4	19.53	19.38	19.38	20.50
3	16QAM	8	7	19.49	19.43	19.38	20.50
3	16QAM	15	0	19.35	19.60	19.39	20.50
3	64QAM	1	0	19.36	19.42	19.33	20.50
3	64QAM	1	8	19.45	19.42	19.39	20.50
3	64QAM	1	14	19.51	19.49	19.29	20.50
3	64QAM	8	0	19.51	19.61	19.39	20.50
3	64QAM	8	4	19.40	19.49	19.26	20.50
3	64QAM	8	7	19.45	19.53	19.37	20.50
3	64QAM	15	0	19.48	19.49	19.39	20.50
3	256QAM	1	0	17.75	17.95	17.85	19.00
3	256QAM	1	8	17.94	18.08	17.86	19.00
3	256QAM	1	14	18.08	18.18	17.96	19.00
3	256QAM	8	0	17.84	17.99	17.86	19.00
3	256QAM	8	4	18.03	18.20	18.07	19.00
3	256QAM	8	7	18.03	18.08	17.89	19.00
3	256QAM	15	0	17.95	18.02	17.89	19.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.45	19.49	19.33	20.50
1.4	QPSK	1	3	19.35	19.46	19.30	20.50
1.4	QPSK	1	5	19.52	19.48	19.38	20.50
1.4	QPSK	3	0	19.43	19.50	19.34	20.50
1.4	QPSK	3	1	19.34	19.41	19.38	20.50
1.4	QPSK	3	3	19.43	19.43	19.39	20.50
1.4	QPSK	6	0	19.50	19.52	19.35	20.50
1.4	16QAM	1	0	19.37	19.62	19.37	20.50
1.4	16QAM	1	3	19.37	19.54	19.39	20.50
1.4	16QAM	1	5	19.44	19.42	19.25	20.50
1.4	16QAM	3	0	19.50	19.51	19.30	20.50
1.4	16QAM	3	1	19.46	19.38	19.39	20.50
1.4	16QAM	3	3	19.50	19.34	19.39	20.50
1.4	16QAM	6	0	19.38	19.56	19.39	20.50
1.4	64QAM	1	0	19.38	19.35	19.38	20.50
1.4	64QAM	1	3	19.40	19.46	19.39	20.50
1.4	64QAM	1	5	19.44	19.51	19.32	20.50
1.4	64QAM	3	0	19.53	19.62	19.38	20.50
1.4	64QAM	3	1	19.42	19.52	19.33	20.50
1.4	64QAM	3	3	19.50	19.53	19.37	20.50
1.4	64QAM	6	0	19.52	19.56	19.37	20.50
1.4	256QAM	1	0	17.83	17.93	17.86	19.00
1.4	256QAM	1	3	17.95	18.12	17.86	19.00
1.4	256QAM	1	5	18.03	18.06	18.01	19.00
1.4	256QAM	3	0	17.79	17.93	17.83	19.00
1.4	256QAM	3	1	18.08	18.20	18.08	19.00
1.4	256QAM	3	3	18.05	18.07	17.86	19.00
1.4	256QAM	6	0	17.85	18.08	17.84	19.00



【LTE Band 26_FCC (814~849MHz)_Ant 0_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				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.39	23.35	23.33	24.00
15	QPSK	1	37	23.31	23.35	23.18	24.00
15	QPSK	1	74	23.25	23.22	23.06	24.00
15	QPSK	36	0	22.46	22.43	22.39	23.00
15	QPSK	36	20	22.29	22.39	22.30	23.00
15	QPSK	36	39	22.41	22.40	22.28	23.00
15	QPSK	75	0	22.22	22.31	22.20	23.00
15	16QAM	1	0	22.53	22.63	22.58	23.00
15	16QAM	1	37	22.60	22.65	22.53	23.00
15	16QAM	1	74	22.33	22.43	22.32	23.00
15	16QAM	36	0	21.32	21.41	21.35	22.00
15	16QAM	36	20	21.33	21.43	21.38	22.00
15	16QAM	36	39	21.37	21.47	21.34	22.00
15	16QAM	75	0	21.44	21.42	21.39	22.00
15	64QAM	1	0	21.46	21.56	21.40	22.00
15	64QAM	1	37	21.42	21.44	21.31	22.00
15	64QAM	1	74	21.25	21.36	21.28	22.00
15	64QAM	36	0	20.47	20.45	20.36	21.00
15	64QAM	36	20	20.26	20.37	20.25	21.00
15	64QAM	36	39	20.27	20.38	20.33	21.00
15	64QAM	75	0	20.37	20.39	20.31	21.00
15	256QAM	1	0	18.36	18.47	18.36	19.00
15	256QAM	1	37	18.53	18.51	18.48	19.00
15	256QAM	1	74	18.49	18.52	18.48	19.00
15	256QAM	36	0	18.34	18.45	18.29	19.00
15	256QAM	36	20	18.30	18.42	18.32	19.00
15	256QAM	36	39	18.36	18.44	18.38	19.00
15	256QAM	75	0	18.26	18.37	18.32	19.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.30	23.21	23.28	24.00
10	QPSK	1	25	23.23	23.25	23.14	24.00
10	QPSK	1	49	23.13	23.11	23.00	24.00
10	QPSK	25	0	22.38	22.33	22.35	23.00
10	QPSK	25	12	22.23	22.34	22.16	23.00
10	QPSK	25	25	22.36	22.32	22.19	23.00
10	QPSK	50	0	22.07	22.18	22.16	23.00
10	16QAM	1	0	22.39	22.61	22.43	23.00
10	16QAM	1	25	22.48	22.62	22.51	23.00
10	16QAM	1	49	22.20	22.39	22.19	23.00
10	16QAM	25	0	21.20	21.39	21.33	22.00
10	16QAM	25	12	21.27	21.31	21.36	22.00
10	16QAM	25	25	21.31	21.35	21.26	22.00
10	16QAM	50	0	21.42	21.32	21.33	22.00
10	64QAM	1	0	21.34	21.42	21.26	22.00
10	64QAM	1	25	21.40	21.36	21.29	22.00
10	64QAM	1	49	21.23	21.25	21.15	22.00
10	64QAM	25	0	20.46	20.31	20.21	21.00
10	64QAM	25	12	20.13	20.33	20.23	21.00
10	64QAM	25	25	20.24	20.32	20.25	21.00
10	64QAM	50	0	20.28	20.28	20.21	21.00
10	256QAM	1	0	18.24	18.37	18.24	19.00
10	256QAM	1	25	18.39	18.44	18.46	19.00
10	256QAM	1	49	18.40	18.48	18.40	19.00
10	256QAM	25	0	18.20	18.32	18.25	19.00
10	256QAM	25	12	18.28	18.34	18.31	19.00
10	256QAM	25	25	18.21	18.41	18.26	19.00
10	256QAM	50	0	18.20	18.28	18.25	19.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.32	23.23	23.21	24.00
5	QPSK	1	12	23.24	23.29	23.13	24.00
5	QPSK	1	24	23.20	23.19	23.04	24.00
5	QPSK	12	0	22.31	22.32	22.26	23.00
5	QPSK	12	7	22.15	22.26	22.25	23.00
5	QPSK	12	13	22.32	22.34	22.24	23.00
5	QPSK	25	0	22.19	22.16	22.14	23.00
5	16QAM	1	0	22.49	22.55	22.46	23.00
5	16QAM	1	12	22.57	22.62	22.46	23.00
5	16QAM	1	24	22.23	22.28	22.20	23.00
5	16QAM	12	0	21.30	21.38	21.32	22.00



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5	16QAM	12	7	21.19	21.31	21.26	22.00
5	16QAM	12	13	21.26	21.35	21.24	22.00
5	16QAM	25	0	21.42	21.32	21.25	22.00
5	64QAM	1	0	21.35	21.49	21.31	22.00
5	64QAM	1	12	21.34	21.34	21.28	22.00
5	64QAM	1	24	21.17	21.29	21.26	22.00
5	64QAM	12	0	20.34	20.40	20.24	21.00
5	64QAM	12	7	20.14	20.31	20.13	21.00
5	64QAM	12	13	20.18	20.25	20.22	21.00
5	64QAM	25	0	20.26	20.35	20.23	21.00
5	256QAM	1	0	18.28	18.35	18.35	19.00
5	256QAM	1	12	18.50	18.38	18.44	19.00
5	256QAM	1	24	18.44	18.40	18.34	19.00
5	256QAM	12	0	18.25	18.42	18.20	19.00
5	256QAM	12	7	18.20	18.33	18.23	19.00
5	256QAM	12	13	18.22	18.36	18.32	19.00
5	256QAM	25	0	18.17	18.25	18.30	19.00
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	23.31	23.28	23.30	24.00
3	QPSK	1	8	23.26	23.28	23.03	24.00
3	QPSK	1	14	23.23	23.12	23.04	24.00
3	QPSK	8	0	22.33	22.39	22.26	23.00
3	QPSK	8	4	22.21	22.32	22.16	23.00
3	QPSK	8	7	22.36	22.33	22.16	23.00
3	QPSK	15	0	22.11	22.22	22.19	23.00
3	16QAM	1	0	22.48	22.60	22.48	23.00
3	16QAM	1	8	22.52	22.51	22.44	23.00
3	16QAM	1	14	22.19	22.40	22.19	23.00
3	16QAM	8	0	21.17	21.36	21.21	22.00
3	16QAM	8	4	21.21	21.37	21.35	22.00
3	16QAM	8	7	21.35	21.37	21.27	22.00
3	16QAM	15	0	21.29	21.39	21.33	22.00
3	64QAM	1	0	21.42	21.54	21.33	22.00
3	64QAM	1	8	21.31	21.30	21.22	22.00
3	64QAM	1	14	21.11	21.26	21.20	22.00
3	64QAM	8	0	20.37	20.30	20.24	21.00
3	64QAM	8	4	20.19	20.25	20.10	21.00
3	64QAM	8	7	20.25	20.24	20.21	21.00
3	64QAM	15	0	20.29	20.29	20.20	21.00
3	256QAM	1	0	18.23	18.40	18.34	19.00
3	256QAM	1	8	18.46	18.36	18.35	19.00
3	256QAM	1	14	18.48	18.38	18.43	19.00
3	256QAM	8	0	18.26	18.38	18.19	19.00
3	256QAM	8	4	18.15	18.32	18.19	19.00
3	256QAM	8	7	18.28	18.43	18.26	19.00
3	256QAM	15	0	18.21	18.28	18.27	19.00
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	23.28	23.24	23.20	24.00
1.4	QPSK	1	3	23.19	23.27	23.10	24.00
1.4	QPSK	1	5	23.11	23.19	22.93	24.00
1.4	QPSK	3	0	23.38	23.35	23.28	24.00
1.4	QPSK	3	1	23.16	23.28	23.21	24.00
1.4	QPSK	3	3	23.29	23.33	23.15	24.00
1.4	QPSK	6	0	22.14	22.26	22.07	23.00
1.4	16QAM	1	0	22.48	22.56	22.51	23.00
1.4	16QAM	1	3	22.46	22.53	22.48	23.00
1.4	16QAM	1	5	22.25	22.28	22.20	23.00
1.4	16QAM	3	0	22.19	22.34	22.23	23.00
1.4	16QAM	3	1	22.28	22.34	22.27	23.00
1.4	16QAM	3	3	22.32	22.44	22.27	23.00
1.4	16QAM	6	0	21.36	21.30	21.27	22.00
1.4	64QAM	1	0	21.42	21.46	21.28	22.00
1.4	64QAM	1	3	21.35	21.43	21.29	22.00
1.4	64QAM	1	5	21.20	21.34	21.14	22.00
1.4	64QAM	3	0	21.37	21.35	21.31	22.00
1.4	64QAM	3	1	21.14	21.23	21.23	22.00
1.4	64QAM	3	3	21.14	21.31	21.19	22.00
1.4	64QAM	6	0	20.24	20.26	20.16	21.00
1.4	256QAM	1	0	18.30	18.45	18.22	19.00
1.4	256QAM	1	3	18.42	18.40	18.35	19.00
1.4	256QAM	1	5	18.41	18.42	18.44	19.00
1.4	256QAM	3	0	18.21	18.33	18.25	19.00
1.4	256QAM	3	1	18.21	18.36	18.29	19.00
1.4	256QAM	3	3	18.27	18.34	18.33	19.00
1.4	256QAM	6	0	18.12	18.28	18.22	19.00

**【LTE Band 26_FCC (814~849MHz)_Ant 0_Full Power】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.39	23.35	23.33	24.00
15	QPSK	1	37	23.31	23.35	23.18	24.00
15	QPSK	1	74	23.25	23.22	23.06	24.00
15	QPSK	36	0	22.46	22.43	22.39	23.00
15	QPSK	36	20	22.29	22.39	22.30	23.00
15	QPSK	36	39	22.41	22.40	22.28	23.00
15	QPSK	75	0	22.22	22.31	22.20	23.00
15	16QAM	1	0	22.53	22.63	22.58	23.00
15	16QAM	1	37	22.60	22.65	22.53	23.00
15	16QAM	1	74	22.33	22.43	22.32	23.00
15	16QAM	36	0	21.32	21.41	21.35	22.00
15	16QAM	36	20	21.33	21.43	21.38	22.00
15	16QAM	36	39	21.37	21.47	21.34	22.00
15	16QAM	75	0	21.44	21.42	21.39	22.00
15	64QAM	1	0	21.46	21.56	21.40	22.00
15	64QAM	1	37	21.42	21.44	21.31	22.00
15	64QAM	1	74	21.25	21.36	21.28	22.00
15	64QAM	36	0	20.47	20.45	20.36	21.00
15	64QAM	36	20	20.26	20.37	20.25	21.00
15	64QAM	36	39	20.27	20.38	20.33	21.00
15	64QAM	75	0	20.37	20.39	20.31	21.00
15	256QAM	1	0	18.36	18.47	18.36	19.00
15	256QAM	1	37	18.53	18.51	18.48	19.00
15	256QAM	1	74	18.49	18.52	18.48	19.00
15	256QAM	36	0	18.34	18.45	18.29	19.00
15	256QAM	36	20	18.30	18.42	18.32	19.00
15	256QAM	36	39	18.36	18.44	18.38	19.00
15	256QAM	75	0	18.26	18.37	18.32	19.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.30	23.21	23.28	24.00
10	QPSK	1	25	23.23	23.25	23.14	24.00
10	QPSK	1	49	23.13	23.11	23.00	24.00
10	QPSK	25	0	22.38	22.33	22.35	23.00
10	QPSK	25	12	22.23	22.34	22.16	23.00
10	QPSK	25	25	22.36	22.32	22.19	23.00
10	QPSK	50	0	22.07	22.18	22.16	23.00
10	16QAM	1	0	22.39	22.61	22.43	23.00
10	16QAM	1	25	22.48	22.62	22.51	23.00
10	16QAM	1	49	22.20	22.39	22.19	23.00
10	16QAM	25	0	21.20	21.39	21.33	22.00
10	16QAM	25	12	21.27	21.31	21.36	22.00
10	16QAM	25	25	21.31	21.35	21.26	22.00
10	16QAM	50	0	21.42	21.32	21.33	22.00
10	64QAM	1	0	21.34	21.42	21.26	22.00
10	64QAM	1	25	21.40	21.36	21.29	22.00
10	64QAM	1	49	21.23	21.25	21.15	22.00
10	64QAM	25	0	20.46	20.31	20.21	21.00
10	64QAM	25	12	20.13	20.33	20.23	21.00
10	64QAM	25	25	20.24	20.32	20.25	21.00
10	64QAM	50	0	20.28	20.28	20.21	21.00
10	256QAM	1	0	18.24	18.37	18.24	19.00
10	256QAM	1	25	18.39	18.44	18.46	19.00
10	256QAM	1	49	18.40	18.48	18.40	19.00
10	256QAM	25	0	18.20	18.32	18.25	19.00
10	256QAM	25	12	18.28	18.34	18.31	19.00
10	256QAM	25	25	18.21	18.41	18.26	19.00
10	256QAM	50	0	18.20	18.28	18.25	19.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.32	23.23	23.21	24.00
5	QPSK	1	12	23.24	23.29	23.13	24.00
5	QPSK	1	24	23.20	23.19	23.04	24.00
5	QPSK	12	0	22.31	22.32	22.26	23.00
5	QPSK	12	7	22.15	22.26	22.25	23.00
5	QPSK	12	13	22.32	22.34	22.24	23.00
5	QPSK	25	0	22.19	22.16	22.14	23.00
5	16QAM	1	0	22.49	22.55	22.46	23.00
5	16QAM	1	12	22.57	22.62	22.46	23.00
5	16QAM	1	24	22.23	22.28	22.20	23.00
5	16QAM	12	0	21.30	21.38	21.32	22.00



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5	16QAM	12	7	21.19	21.31	21.26	22.00
5	16QAM	12	13	21.26	21.35	21.24	22.00
5	16QAM	25	0	21.42	21.32	21.25	22.00
5	64QAM	1	0	21.35	21.49	21.31	22.00
5	64QAM	1	12	21.34	21.34	21.28	22.00
5	64QAM	1	24	21.17	21.29	21.26	22.00
5	64QAM	12	0	20.34	20.40	20.24	21.00
5	64QAM	12	7	20.14	20.31	20.13	21.00
5	64QAM	12	13	20.18	20.25	20.22	21.00
5	64QAM	25	0	20.26	20.35	20.23	21.00
5	256QAM	1	0	18.28	18.35	18.35	19.00
5	256QAM	1	12	18.50	18.38	18.44	19.00
5	256QAM	1	24	18.44	18.40	18.34	19.00
5	256QAM	12	0	18.25	18.42	18.20	19.00
5	256QAM	12	7	18.20	18.33	18.23	19.00
5	256QAM	12	13	18.22	18.36	18.32	19.00
5	256QAM	25	0	18.17	18.25	18.30	19.00
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	23.31	23.28	23.30	24.00
3	QPSK	1	8	23.26	23.28	23.03	24.00
3	QPSK	1	14	23.23	23.12	23.04	24.00
3	QPSK	8	0	22.33	22.39	22.26	23.00
3	QPSK	8	4	22.21	22.32	22.16	23.00
3	QPSK	8	7	22.36	22.33	22.16	23.00
3	QPSK	15	0	22.11	22.22	22.19	23.00
3	16QAM	1	0	22.48	22.60	22.48	23.00
3	16QAM	1	8	22.52	22.51	22.44	23.00
3	16QAM	1	14	22.19	22.40	22.19	23.00
3	16QAM	8	0	21.17	21.36	21.21	22.00
3	16QAM	8	4	21.21	21.37	21.35	22.00
3	16QAM	8	7	21.35	21.37	21.27	22.00
3	16QAM	15	0	21.29	21.39	21.33	22.00
3	64QAM	1	0	21.42	21.54	21.33	22.00
3	64QAM	1	8	21.31	21.30	21.22	22.00
3	64QAM	1	14	21.11	21.26	21.20	22.00
3	64QAM	8	0	20.37	20.30	20.24	21.00
3	64QAM	8	4	20.19	20.25	20.10	21.00
3	64QAM	8	7	20.25	20.24	20.21	21.00
3	64QAM	15	0	20.29	20.29	20.20	21.00
3	256QAM	1	0	18.23	18.40	18.34	19.00
3	256QAM	1	8	18.46	18.36	18.35	19.00
3	256QAM	1	14	18.48	18.38	18.43	19.00
3	256QAM	8	0	18.26	18.38	18.19	19.00
3	256QAM	8	4	18.15	18.32	18.19	19.00
3	256QAM	8	7	18.28	18.43	18.26	19.00
3	256QAM	15	0	18.21	18.28	18.27	19.00
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	23.28	23.24	23.20	24.00
1.4	QPSK	1	3	23.19	23.27	23.10	24.00
1.4	QPSK	1	5	23.11	23.19	22.93	24.00
1.4	QPSK	3	0	23.38	23.35	23.28	24.00
1.4	QPSK	3	1	23.16	23.28	23.21	24.00
1.4	QPSK	3	3	23.29	23.33	23.15	24.00
1.4	QPSK	6	0	22.14	22.26	22.07	23.00
1.4	16QAM	1	0	22.48	22.56	22.51	23.00
1.4	16QAM	1	3	22.46	22.53	22.48	23.00
1.4	16QAM	1	5	22.25	22.28	22.20	23.00
1.4	16QAM	3	0	22.19	22.34	22.23	23.00
1.4	16QAM	3	1	22.28	22.34	22.27	23.00
1.4	16QAM	3	3	22.32	22.44	22.27	23.00
1.4	16QAM	6	0	21.36	21.30	21.27	22.00
1.4	64QAM	1	0	21.42	21.46	21.28	22.00
1.4	64QAM	1	3	21.35	21.43	21.29	22.00
1.4	64QAM	1	5	21.20	21.34	21.14	22.00
1.4	64QAM	3	0	21.37	21.35	21.31	22.00
1.4	64QAM	3	1	21.14	21.23	21.23	22.00
1.4	64QAM	3	3	21.14	21.31	21.19	22.00
1.4	64QAM	6	0	20.24	20.26	20.16	21.00
1.4	256QAM	1	0	18.30	18.45	18.22	19.00
1.4	256QAM	1	3	18.42	18.40	18.35	19.00
1.4	256QAM	1	5	18.41	18.42	18.44	19.00
1.4	256QAM	3	0	18.21	18.33	18.25	19.00
1.4	256QAM	3	1	18.21	18.36	18.29	19.00
1.4	256QAM	3	3	18.27	18.34	18.33	19.00
1.4	256QAM	6	0	18.12	18.28	18.22	19.00

**【LTE Band 26_FCC (814~849MHz)_Ant 0_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				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	19.30	19.43	19.31	20.00
15	QPSK	1	37	19.33	19.26	19.39	20.00
15	QPSK	1	74	19.42	19.29	19.21	20.00
15	QPSK	36	0	19.35	19.41	19.36	20.00
15	QPSK	36	20	19.27	19.38	19.33	20.00
15	QPSK	36	39	19.32	19.36	19.29	20.00
15	QPSK	75	0	19.30	19.29	19.29	20.00
15	16QAM	1	0	19.48	19.44	19.29	20.00
15	16QAM	1	37	19.36	19.45	19.27	20.00
15	16QAM	1	74	19.44	19.47	19.26	20.00
15	16QAM	36	0	19.43	19.30	19.44	20.00
15	16QAM	36	20	19.36	19.29	19.26	20.00
15	16QAM	36	39	19.37	19.38	19.25	20.00
15	16QAM	75	0	19.31	19.24	19.35	20.00
15	64QAM	1	0	19.37	19.30	19.22	20.00
15	64QAM	1	37	19.49	19.45	19.34	20.00
15	64QAM	1	74	19.44	19.40	19.31	20.00
15	64QAM	36	0	19.43	19.34	19.32	20.00
15	64QAM	36	20	19.35	19.41	19.30	20.00
15	64QAM	36	39	19.43	19.43	19.26	20.00
15	64QAM	75	0	19.44	19.38	19.24	20.00
15	256QAM	1	0	18.36	18.47	18.36	19.00
15	256QAM	1	37	18.53	18.51	18.48	19.00
15	256QAM	1	74	18.49	18.52	18.48	19.00
15	256QAM	36	0	18.34	18.45	18.29	19.00
15	256QAM	36	20	18.30	18.42	18.32	19.00
15	256QAM	36	39	18.36	18.44	18.38	19.00
15	256QAM	75	0	18.26	18.37	18.32	19.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	19.27	19.30	19.19	20.00
10	QPSK	1	25	19.27	19.20	19.25	20.00
10	QPSK	1	49	19.29	19.26	19.11	20.00
10	QPSK	25	0	19.23	19.30	19.31	20.00
10	QPSK	25	12	19.30	19.30	19.27	20.00
10	QPSK	25	25	19.23	19.33	19.22	20.00
10	QPSK	50	0	19.19	19.16	19.26	20.00
10	16QAM	1	0	19.30	19.37	19.20	20.00
10	16QAM	1	25	19.29	19.37	19.21	20.00
10	16QAM	1	49	19.30	19.43	19.20	20.00
10	16QAM	25	0	19.29	19.24	19.31	20.00
10	16QAM	25	12	19.29	19.26	19.15	20.00
10	16QAM	25	25	19.30	19.32	19.20	20.00
10	16QAM	50	0	19.30	19.21	19.29	20.00
10	64QAM	1	0	19.30	19.17	19.16	20.00
10	64QAM	1	25	19.28	19.31	19.22	20.00
10	64QAM	1	49	19.28	19.28	19.23	20.00
10	64QAM	25	0	19.30	19.33	19.22	20.00
10	64QAM	25	12	19.20	19.33	19.29	20.00
10	64QAM	25	25	19.30	19.37	19.20	20.00
10	64QAM	50	0	19.30	19.36	19.20	20.00
10	256QAM	1	0	18.34	18.33	18.26	19.00
10	256QAM	1	25	18.51	18.37	18.33	19.00
10	256QAM	1	49	18.39	18.42	18.42	19.00
10	256QAM	25	0	18.30	18.34	18.18	19.00
10	256QAM	25	12	18.23	18.34	18.19	19.00
10	256QAM	25	25	18.26	18.38	18.36	19.00
10	256QAM	50	0	18.12	18.28	18.25	19.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	19.16	19.35	19.19	20.00
5	QPSK	1	12	19.23	19.14	19.30	20.00
5	QPSK	1	24	19.29	19.22	19.17	20.00
5	QPSK	12	0	19.21	19.39	19.30	20.00
5	QPSK	12	7	19.30	19.34	19.28	20.00
5	QPSK	12	13	19.20	19.32	19.27	20.00
5	QPSK	25	0	19.24	19.21	19.24	20.00
5	16QAM	1	0	19.30	19.37	19.20	20.00
5	16QAM	1	12	19.30	19.34	19.13	20.00
5	16QAM	1	24	19.29	19.43	19.13	20.00
5	16QAM	12	0	19.30	19.20	19.30	20.00



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5	16QAM	12	7	19.30	19.19	19.20	20.00
5	16QAM	12	13	19.27	19.29	19.11	20.00
5	16QAM	25	0	19.19	19.16	19.22	20.00
5	64QAM	1	0	19.30	19.17	19.10	20.00
5	64QAM	1	12	19.30	19.38	19.27	20.00
5	64QAM	1	24	19.30	19.33	19.24	20.00
5	64QAM	12	0	19.30	19.30	19.27	20.00
5	64QAM	12	7	19.25	19.29	19.20	20.00
5	64QAM	12	13	19.29	19.32	19.13	20.00
5	64QAM	25	0	19.29	19.25	19.13	20.00
5	256QAM	1	0	18.28	18.39	18.31	19.00
5	256QAM	1	12	18.40	18.45	18.46	19.00
5	256QAM	1	24	18.35	18.51	18.44	19.00
5	256QAM	12	0	18.19	18.36	18.23	19.00
5	256QAM	12	7	18.17	18.29	18.24	19.00
5	256QAM	12	13	18.21	18.40	18.30	19.00
5	256QAM	25	0	18.19	18.30	18.19	19.00
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	19.26	19.31	19.28	20.00
3	QPSK	1	8	19.23	19.13	19.31	20.00
3	QPSK	1	14	19.28	19.21	19.18	20.00
3	QPSK	8	0	19.30	19.37	19.29	20.00
3	QPSK	8	4	19.29	19.30	19.31	20.00
3	QPSK	8	7	19.17	19.28	19.27	20.00
3	QPSK	15	0	19.22	19.23	19.16	20.00
3	16QAM	1	0	19.29	19.41	19.15	20.00
3	16QAM	1	8	19.27	19.39	19.25	20.00
3	16QAM	1	14	19.28	19.41	19.20	20.00
3	16QAM	8	0	19.30	19.17	19.31	20.00
3	16QAM	8	4	19.30	19.21	19.25	20.00
3	16QAM	8	7	19.29	19.32	19.18	20.00
3	16QAM	15	0	19.22	19.17	19.31	20.00
3	64QAM	1	0	19.27	19.22	19.17	20.00
3	64QAM	1	8	19.30	19.43	19.31	20.00
3	64QAM	1	14	19.29	19.39	19.26	20.00
3	64QAM	8	0	19.30	19.23	19.22	20.00
3	64QAM	8	4	19.23	19.36	19.16	20.00
3	64QAM	8	7	19.30	19.29	19.24	20.00
3	64QAM	15	0	19.30	19.33	19.17	20.00
3	256QAM	1	0	18.22	18.35	18.33	19.00
3	256QAM	1	8	18.43	18.37	18.42	19.00
3	256QAM	1	14	18.43	18.45	18.45	19.00
3	256QAM	8	0	18.24	18.39	18.14	19.00
3	256QAM	8	4	18.15	18.36	18.19	19.00
3	256QAM	8	7	18.28	18.30	18.25	19.00
3	256QAM	15	0	18.11	18.31	18.20	19.00
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	19.28	19.36	19.28	20.00
1.4	QPSK	1	3	19.22	19.15	19.31	20.00
1.4	QPSK	1	5	19.30	19.27	19.18	20.00
1.4	QPSK	3	0	19.21	19.40	19.24	20.00
1.4	QPSK	3	1	19.29	19.24	19.24	20.00
1.4	QPSK	3	3	19.19	19.24	19.15	20.00
1.4	QPSK	6	0	19.26	19.23	19.19	20.00
1.4	16QAM	1	0	19.30	19.42	19.21	20.00
1.4	16QAM	1	3	19.24	19.41	19.13	20.00
1.4	16QAM	1	5	19.30	19.37	19.14	20.00
1.4	16QAM	3	0	19.29	19.18	19.31	20.00
1.4	16QAM	3	1	19.30	19.27	19.17	20.00
1.4	16QAM	3	3	19.29	19.31	19.19	20.00
1.4	16QAM	6	0	19.28	19.21	19.21	20.00
1.4	64QAM	1	0	19.30	19.17	19.20	20.00
1.4	64QAM	1	3	19.29	19.34	19.30	20.00
1.4	64QAM	1	5	19.30	19.26	19.29	20.00
1.4	64QAM	3	0	19.29	19.21	19.23	20.00
1.4	64QAM	3	1	19.20	19.28	19.15	20.00
1.4	64QAM	3	3	19.29	19.35	19.24	20.00
1.4	64QAM	6	0	19.29	19.31	19.15	20.00
1.4	256QAM	1	0	18.30	18.32	18.26	19.00
1.4	256QAM	1	3	18.43	18.38	18.42	19.00
1.4	256QAM	1	5	18.40	18.38	18.45	19.00
1.4	256QAM	3	0	18.22	18.42	18.24	19.00
1.4	256QAM	3	1	18.22	18.30	18.18	19.00
1.4	256QAM	3	3	18.27	18.30	18.33	19.00
1.4	256QAM	6	0	18.20	18.34	18.25	19.00

**【LTE Band 26_FCC (814~849MHz)_Ant 0_Hotspot 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				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	19.30	19.43	19.31	20.00
15	QPSK	1	37	19.33	19.26	19.39	20.00
15	QPSK	1	74	19.42	19.29	19.21	20.00
15	QPSK	36	0	19.35	19.41	19.36	20.00
15	QPSK	36	20	19.27	19.38	19.33	20.00
15	QPSK	36	39	19.32	19.36	19.29	20.00
15	QPSK	75	0	19.30	19.29	19.29	20.00
15	16QAM	1	0	19.48	19.44	19.29	20.00
15	16QAM	1	37	19.36	19.45	19.27	20.00
15	16QAM	1	74	19.44	19.47	19.26	20.00
15	16QAM	36	0	19.43	19.30	19.44	20.00
15	16QAM	36	20	19.36	19.29	19.26	20.00
15	16QAM	36	39	19.37	19.38	19.25	20.00
15	16QAM	75	0	19.31	19.24	19.35	20.00
15	64QAM	1	0	19.37	19.30	19.22	20.00
15	64QAM	1	37	19.49	19.45	19.34	20.00
15	64QAM	1	74	19.44	19.40	19.31	20.00
15	64QAM	36	0	19.43	19.34	19.32	20.00
15	64QAM	36	20	19.35	19.41	19.30	20.00
15	64QAM	36	39	19.43	19.43	19.26	20.00
15	64QAM	75	0	19.44	19.38	19.24	20.00
15	256QAM	1	0	18.36	18.47	18.36	19.00
15	256QAM	1	37	18.53	18.51	18.48	19.00
15	256QAM	1	74	18.49	18.52	18.48	19.00
15	256QAM	36	0	18.34	18.45	18.29	19.00
15	256QAM	36	20	18.30	18.42	18.32	19.00
15	256QAM	36	39	18.36	18.44	18.38	19.00
15	256QAM	75	0	18.26	18.37	18.32	19.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	19.27	19.30	19.19	20.00
10	QPSK	1	25	19.27	19.20	19.25	20.00
10	QPSK	1	49	19.29	19.26	19.11	20.00
10	QPSK	25	0	19.23	19.30	19.31	20.00
10	QPSK	25	12	19.30	19.30	19.27	20.00
10	QPSK	25	25	19.23	19.33	19.22	20.00
10	QPSK	50	0	19.19	19.16	19.26	20.00
10	16QAM	1	0	19.30	19.37	19.20	20.00
10	16QAM	1	25	19.29	19.37	19.21	20.00
10	16QAM	1	49	19.30	19.43	19.20	20.00
10	16QAM	25	0	19.29	19.24	19.31	20.00
10	16QAM	25	12	19.29	19.26	19.15	20.00
10	16QAM	25	25	19.30	19.32	19.20	20.00
10	16QAM	50	0	19.30	19.21	19.29	20.00
10	64QAM	1	0	19.30	19.17	19.16	20.00
10	64QAM	1	25	19.28	19.31	19.22	20.00
10	64QAM	1	49	19.28	19.28	19.23	20.00
10	64QAM	25	0	19.30	19.33	19.22	20.00
10	64QAM	25	12	19.20	19.33	19.29	20.00
10	64QAM	25	25	19.30	19.37	19.20	20.00
10	64QAM	50	0	19.30	19.36	19.20	20.00
10	256QAM	1	0	18.34	18.33	18.26	19.00
10	256QAM	1	25	18.51	18.37	18.33	19.00
10	256QAM	1	49	18.39	18.42	18.42	19.00
10	256QAM	25	0	18.30	18.34	18.18	19.00
10	256QAM	25	12	18.23	18.34	18.19	19.00
10	256QAM	25	25	18.26	18.38	18.36	19.00
10	256QAM	50	0	18.12	18.28	18.25	19.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	19.16	19.35	19.19	20.00
5	QPSK	1	12	19.23	19.14	19.30	20.00
5	QPSK	1	24	19.29	19.22	19.17	20.00
5	QPSK	12	0	19.21	19.39	19.30	20.00
5	QPSK	12	7	19.30	19.34	19.28	20.00
5	QPSK	12	13	19.20	19.32	19.27	20.00
5	QPSK	25	0	19.24	19.21	19.24	20.00
5	16QAM	1	0	19.30	19.37	19.20	20.00
5	16QAM	1	12	19.30	19.34	19.13	20.00
5	16QAM	1	24	19.29	19.43	19.13	20.00
5	16QAM	12	0	19.30	19.20	19.30	20.00



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5	16QAM	12	7	19.30	19.19	19.20	20.00
5	16QAM	12	13	19.27	19.29	19.11	20.00
5	16QAM	25	0	19.19	19.16	19.22	20.00
5	64QAM	1	0	19.30	19.17	19.10	20.00
5	64QAM	1	12	19.30	19.38	19.27	20.00
5	64QAM	1	24	19.30	19.33	19.24	20.00
5	64QAM	12	0	19.30	19.30	19.27	20.00
5	64QAM	12	7	19.25	19.29	19.20	20.00
5	64QAM	12	13	19.29	19.32	19.13	20.00
5	64QAM	25	0	19.29	19.25	19.13	20.00
5	256QAM	1	0	18.28	18.39	18.31	19.00
5	256QAM	1	12	18.40	18.45	18.46	19.00
5	256QAM	1	24	18.35	18.51	18.44	19.00
5	256QAM	12	0	18.19	18.36	18.23	19.00
5	256QAM	12	7	18.17	18.29	18.24	19.00
5	256QAM	12	13	18.21	18.40	18.30	19.00
5	256QAM	25	0	18.19	18.30	18.19	19.00
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	19.26	19.31	19.28	20.00
3	QPSK	1	8	19.23	19.13	19.31	20.00
3	QPSK	1	14	19.28	19.21	19.18	20.00
3	QPSK	8	0	19.30	19.37	19.29	20.00
3	QPSK	8	4	19.29	19.30	19.31	20.00
3	QPSK	8	7	19.17	19.28	19.27	20.00
3	QPSK	15	0	19.22	19.23	19.16	20.00
3	16QAM	1	0	19.29	19.41	19.15	20.00
3	16QAM	1	8	19.27	19.39	19.25	20.00
3	16QAM	1	14	19.28	19.41	19.20	20.00
3	16QAM	8	0	19.30	19.17	19.31	20.00
3	16QAM	8	4	19.30	19.21	19.25	20.00
3	16QAM	8	7	19.29	19.32	19.18	20.00
3	16QAM	15	0	19.22	19.17	19.31	20.00
3	64QAM	1	0	19.27	19.22	19.17	20.00
3	64QAM	1	8	19.30	19.43	19.31	20.00
3	64QAM	1	14	19.29	19.39	19.26	20.00
3	64QAM	8	0	19.30	19.23	19.22	20.00
3	64QAM	8	4	19.23	19.36	19.16	20.00
3	64QAM	8	7	19.30	19.29	19.24	20.00
3	64QAM	15	0	19.30	19.33	19.17	20.00
3	256QAM	1	0	18.22	18.35	18.33	19.00
3	256QAM	1	8	18.43	18.37	18.42	19.00
3	256QAM	1	14	18.43	18.45	18.45	19.00
3	256QAM	8	0	18.24	18.39	18.14	19.00
3	256QAM	8	4	18.15	18.36	18.19	19.00
3	256QAM	8	7	18.28	18.30	18.25	19.00
3	256QAM	15	0	18.11	18.31	18.20	19.00
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	19.28	19.36	19.28	20.00
1.4	QPSK	1	3	19.22	19.15	19.31	20.00
1.4	QPSK	1	5	19.30	19.27	19.18	20.00
1.4	QPSK	3	0	19.21	19.40	19.24	20.00
1.4	QPSK	3	1	19.29	19.24	19.24	20.00
1.4	QPSK	3	3	19.19	19.24	19.15	20.00
1.4	QPSK	6	0	19.26	19.23	19.19	20.00
1.4	16QAM	1	0	19.30	19.42	19.21	20.00
1.4	16QAM	1	3	19.24	19.41	19.13	20.00
1.4	16QAM	1	5	19.30	19.37	19.14	20.00
1.4	16QAM	3	0	19.29	19.18	19.31	20.00
1.4	16QAM	3	1	19.30	19.27	19.17	20.00
1.4	16QAM	3	3	19.29	19.31	19.19	20.00
1.4	16QAM	6	0	19.28	19.21	19.21	20.00
1.4	64QAM	1	0	19.30	19.17	19.20	20.00
1.4	64QAM	1	3	19.29	19.34	19.30	20.00
1.4	64QAM	1	5	19.30	19.26	19.29	20.00
1.4	64QAM	3	0	19.29	19.21	19.23	20.00
1.4	64QAM	3	1	19.20	19.28	19.15	20.00
1.4	64QAM	3	3	19.29	19.35	19.24	20.00
1.4	64QAM	6	0	19.29	19.31	19.15	20.00
1.4	256QAM	1	0	18.30	18.32	18.26	19.00
1.4	256QAM	1	3	18.43	18.38	18.42	19.00
1.4	256QAM	1	5	18.40	18.38	18.45	19.00
1.4	256QAM	3	0	18.22	18.42	18.24	19.00
1.4	256QAM	3	1	18.22	18.30	18.18	19.00
1.4	256QAM	3	3	18.27	18.30	18.33	19.00
1.4	256QAM	6	0	18.20	18.34	18.25	19.00



【LTE Band 30_Ant 0_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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		24.41		25.00
10	QPSK	1	25		24.40		25.00
10	QPSK	1	49		24.23		25.00
10	QPSK	25	0		23.38		24.00
10	QPSK	25	12		23.34		24.00
10	QPSK	25	25		23.35		24.00
10	QPSK	50	0		23.35		24.00
10	16QAM	1	0		23.56		24.00
10	16QAM	1	25		23.59		24.00
10	16QAM	1	49		23.52		24.00
10	16QAM	25	0		22.38		23.00
10	16QAM	25	12		22.37		23.00
10	16QAM	25	25		22.31		23.00
10	16QAM	50	0		22.30		23.00
10	64QAM	1	0		22.49		23.00
10	64QAM	1	25		22.63		23.00
10	64QAM	1	49		22.30		23.00
10	64QAM	25	0		21.37		22.00
10	64QAM	25	12		21.39		22.00
10	64QAM	25	25		21.28		22.00
10	64QAM	50	0		21.35		22.00
10	256QAM	1	0		19.58		20.00
10	256QAM	1	25		19.44		20.00
10	256QAM	1	49		19.36		20.00
10	256QAM	25	0		19.40		20.00
10	256QAM	25	12		19.38		20.00
10	256QAM	25	25		19.35		20.00
10	256QAM	50	0		19.31		20.00
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	24.20	24.23	24.28	25.00
5	QPSK	1	12	24.22	24.37	24.39	25.00
5	QPSK	1	24	24.19	24.18	24.05	25.00
5	QPSK	12	0	23.27	23.36	23.17	24.00
5	QPSK	12	7	23.24	23.34	23.21	24.00
5	QPSK	12	13	23.27	23.15	23.18	24.00
5	QPSK	25	0	23.21	23.27	23.19	24.00
5	16QAM	1	0	23.43	23.37	23.49	24.00
5	16QAM	1	12	23.55	23.44	23.53	24.00
5	16QAM	1	24	23.38	23.46	23.46	24.00
5	16QAM	12	0	22.21	22.23	22.25	23.00
5	16QAM	12	7	22.22	22.27	22.18	23.00
5	16QAM	12	13	22.28	22.21	22.30	23.00
5	16QAM	25	0	22.08	22.09	22.21	23.00
5	64QAM	1	0	22.31	22.34	22.49	23.00
5	64QAM	1	12	22.55	22.42	22.42	23.00
5	64QAM	1	24	22.27	22.16	22.31	23.00
5	64QAM	12	0	21.26	21.24	21.26	22.00
5	64QAM	12	7	21.29	21.23	21.25	22.00
5	64QAM	12	13	21.11	21.25	21.19	22.00
5	64QAM	25	0	21.26	21.30	21.31	22.00
5	256QAM	1	0	19.53	19.37	19.59	20.00
5	256QAM	1	12	19.24	19.42	19.27	20.00
5	256QAM	1	24	19.21	19.32	19.30	20.00
5	256QAM	12	0	19.29	19.29	19.35	20.00
5	256QAM	12	7	19.24	19.33	19.19	20.00
5	256QAM	12	13	19.29	19.14	19.17	20.00
5	256QAM	25	0	19.25	19.25	19.20	20.00

**【LTE Band 30_Ant 0_Full Power】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		24.41		25.00
10	QPSK	1	25		24.40		25.00
10	QPSK	1	49		24.23		25.00
10	QPSK	25	0		23.38		24.00
10	QPSK	25	12		23.34		24.00
10	QPSK	25	25		23.35		24.00
10	QPSK	50	0		23.35		24.00
10	16QAM	1	0		23.56		24.00
10	16QAM	1	25		23.59		24.00
10	16QAM	1	49		23.52		24.00
10	16QAM	25	0		22.38		23.00
10	16QAM	25	12		22.37		23.00
10	16QAM	25	25		22.31		23.00
10	16QAM	50	0		22.30		23.00
10	64QAM	1	0		22.49		23.00
10	64QAM	1	25		22.63		23.00
10	64QAM	1	49		22.30		23.00
10	64QAM	25	0		21.37		22.00
10	64QAM	25	12		21.39		22.00
10	64QAM	25	25		21.28		22.00
10	64QAM	50	0		21.35		22.00
10	256QAM	1	0		19.58		20.00
10	256QAM	1	25		19.44		20.00
10	256QAM	1	49		19.36		20.00
10	256QAM	25	0		19.40		20.00
10	256QAM	25	12		19.38		20.00
10	256QAM	25	25		19.35		20.00
10	256QAM	50	0		19.31		20.00
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	24.20	24.23	24.28	25.00
5	QPSK	1	12	24.22	24.37	24.39	25.00
5	QPSK	1	24	24.19	24.18	24.05	25.00
5	QPSK	12	0	23.27	23.36	23.17	24.00
5	QPSK	12	7	23.24	23.34	23.21	24.00
5	QPSK	12	13	23.27	23.15	23.18	24.00
5	QPSK	25	0	23.21	23.27	23.19	24.00
5	16QAM	1	0	23.43	23.37	23.49	24.00
5	16QAM	1	12	23.55	23.44	23.53	24.00
5	16QAM	1	24	23.38	23.46	23.46	24.00
5	16QAM	12	0	22.21	22.23	22.25	23.00
5	16QAM	12	7	22.22	22.27	22.18	23.00
5	16QAM	12	13	22.28	22.21	22.30	23.00
5	16QAM	25	0	22.08	22.09	22.21	23.00
5	64QAM	1	0	22.31	22.34	22.49	23.00
5	64QAM	1	12	22.55	22.42	22.42	23.00
5	64QAM	1	24	22.27	22.16	22.31	23.00
5	64QAM	12	0	21.26	21.24	21.26	22.00
5	64QAM	12	7	21.29	21.23	21.25	22.00
5	64QAM	12	13	21.11	21.25	21.19	22.00
5	64QAM	25	0	21.26	21.30	21.31	22.00
5	256QAM	1	0	19.53	19.37	19.59	20.00
5	256QAM	1	12	19.24	19.42	19.27	20.00
5	256QAM	1	24	19.21	19.32	19.30	20.00
5	256QAM	12	0	19.29	19.29	19.35	20.00
5	256QAM	12	7	19.24	19.33	19.19	20.00
5	256QAM	12	13	19.29	19.14	19.17	20.00
5	256QAM	25	0	19.25	19.25	19.20	20.00

**【LTE Band 30_Ant 0_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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		14.51		15.00
10	QPSK	1	25		14.34		15.00
10	QPSK	1	49		14.37		15.00
10	QPSK	25	0		14.48		15.00
10	QPSK	25	12		14.43		15.00
10	QPSK	25	25		14.33		15.00
10	QPSK	50	0		14.39		15.00
10	16QAM	1	0		14.49		15.00
10	16QAM	1	25		14.34		15.00
10	16QAM	1	49		14.31		15.00
10	16QAM	25	0		14.34		15.00
10	16QAM	25	12		14.51		15.00
10	16QAM	25	25		14.36		15.00
10	16QAM	50	0		14.50		15.00
10	64QAM	1	0		14.45		15.00
10	64QAM	1	25		14.43		15.00
10	64QAM	1	49		14.43		15.00
10	64QAM	25	0		14.46		15.00
10	64QAM	25	12		14.51		15.00
10	64QAM	25	25		14.50		15.00
10	64QAM	50	0		14.36		15.00
10	256QAM	1	0		14.46		15.00
10	256QAM	1	25		14.39		15.00
10	256QAM	1	49		14.42		15.00
10	256QAM	25	0		14.43		15.00
10	256QAM	25	12		14.37		15.00
10	256QAM	25	25		14.48		15.00
10	256QAM	50	0		14.39		15.00
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	14.41	14.43	14.48	15.00
5	QPSK	1	12	14.47	14.39	14.40	15.00
5	QPSK	1	24	14.44	14.41	14.37	15.00
5	QPSK	12	0	14.43	14.39	14.43	15.00
5	QPSK	12	7	14.34	14.45	14.32	15.00
5	QPSK	12	13	14.41	14.43	14.35	15.00
5	QPSK	25	0	14.46	14.43	14.32	15.00
5	16QAM	1	0	14.49	14.46	14.47	15.00
5	16QAM	1	12	14.43	14.43	14.35	15.00
5	16QAM	1	24	14.50	14.44	14.44	15.00
5	16QAM	12	0	14.43	14.43	14.34	15.00
5	16QAM	12	7	14.51	14.48	14.43	15.00
5	16QAM	12	13	14.36	14.34	14.36	15.00
5	16QAM	25	0	14.39	14.35	14.48	15.00
5	64QAM	1	0	14.39	14.36	14.49	15.00
5	64QAM	1	12	14.33	14.36	14.32	15.00
5	64QAM	1	24	14.46	14.38	14.50	15.00
5	64QAM	12	0	14.43	14.39	14.35	15.00
5	64QAM	12	7	14.41	14.47	14.33	15.00
5	64QAM	12	13	14.45	14.42	14.32	15.00
5	64QAM	25	0	14.34	14.46	14.42	15.00
5	256QAM	1	0	14.44	14.36	14.45	15.00
5	256QAM	1	12	14.39	14.44	14.37	15.00
5	256QAM	1	24	14.42	14.33	14.34	15.00
5	256QAM	12	0	14.40	14.39	14.38	15.00
5	256QAM	12	7	14.45	14.46	14.43	15.00
5	256QAM	12	13	14.37	14.38	14.41	15.00
5	256QAM	25	0	14.34	14.43	14.44	15.00



【LTE Band 30_Ant 0_Hotspot 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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		14.51		15.00
10	QPSK	1	25		14.34		15.00
10	QPSK	1	49		14.37		15.00
10	QPSK	25	0		14.48		15.00
10	QPSK	25	12		14.43		15.00
10	QPSK	25	25		14.33		15.00
10	QPSK	50	0		14.39		15.00
10	16QAM	1	0		14.49		15.00
10	16QAM	1	25		14.34		15.00
10	16QAM	1	49		14.31		15.00
10	16QAM	25	0		14.34		15.00
10	16QAM	25	12		14.51		15.00
10	16QAM	25	25		14.36		15.00
10	16QAM	50	0		14.50		15.00
10	64QAM	1	0		14.45		15.00
10	64QAM	1	25		14.43		15.00
10	64QAM	1	49		14.43		15.00
10	64QAM	25	0		14.46		15.00
10	64QAM	25	12		14.51		15.00
10	64QAM	25	25		14.50		15.00
10	64QAM	50	0		14.36		15.00
10	256QAM	1	0		14.46		15.00
10	256QAM	1	25		14.39		15.00
10	256QAM	1	49		14.42		15.00
10	256QAM	25	0		14.43		15.00
10	256QAM	25	12		14.37		15.00
10	256QAM	25	25		14.48		15.00
10	256QAM	50	0		14.39		15.00
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	14.41	14.43	14.48	15.00
5	QPSK	1	12	14.47	14.39	14.40	15.00
5	QPSK	1	24	14.44	14.41	14.37	15.00
5	QPSK	12	0	14.43	14.39	14.43	15.00
5	QPSK	12	7	14.34	14.45	14.32	15.00
5	QPSK	12	13	14.41	14.43	14.35	15.00
5	QPSK	25	0	14.46	14.43	14.32	15.00
5	16QAM	1	0	14.49	14.46	14.47	15.00
5	16QAM	1	12	14.43	14.43	14.35	15.00
5	16QAM	1	24	14.50	14.44	14.44	15.00
5	16QAM	12	0	14.43	14.43	14.34	15.00
5	16QAM	12	7	14.51	14.48	14.43	15.00
5	16QAM	12	13	14.36	14.34	14.36	15.00
5	16QAM	25	0	14.39	14.35	14.48	15.00
5	64QAM	1	0	14.39	14.36	14.49	15.00
5	64QAM	1	12	14.33	14.36	14.32	15.00
5	64QAM	1	24	14.46	14.38	14.50	15.00
5	64QAM	12	0	14.43	14.39	14.35	15.00
5	64QAM	12	7	14.41	14.47	14.33	15.00
5	64QAM	12	13	14.45	14.42	14.32	15.00
5	64QAM	25	0	14.34	14.46	14.42	15.00
5	256QAM	1	0	14.44	14.36	14.45	15.00
5	256QAM	1	12	14.39	14.44	14.37	15.00
5	256QAM	1	24	14.42	14.33	14.34	15.00
5	256QAM	12	0	14.40	14.39	14.38	15.00
5	256QAM	12	7	14.45	14.46	14.43	15.00
5	256QAM	12	13	14.37	14.38	14.41	15.00
5	256QAM	25	0	14.34	14.43	14.44	15.00

**【LTE Band 30_Ant 1_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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.56		24.00
10	QPSK	1	25		23.49		24.00
10	QPSK	1	49		23.42		24.00
10	QPSK	25	0		22.54		23.00
10	QPSK	25	12		22.53		23.00
10	QPSK	25	25		22.52		23.00
10	QPSK	50	0		22.56		23.00
10	16QAM	1	0		22.88		23.00
10	16QAM	1	25		22.86		23.00
10	16QAM	1	49		22.69		23.00
10	16QAM	25	0		21.60		22.00
10	16QAM	25	12		21.56		22.00
10	16QAM	25	25		21.59		22.00
10	16QAM	50	0		21.53		22.00
10	64QAM	1	0		21.72		22.00
10	64QAM	1	25		21.76		22.00
10	64QAM	1	49		21.68		22.00
10	64QAM	25	0		20.58		21.00
10	64QAM	25	12		20.57		21.00
10	64QAM	25	25		20.49		21.00
10	64QAM	50	0		20.63		21.00
10	256QAM	1	0		18.54		19.00
10	256QAM	1	25		18.69		19.00
10	256QAM	1	49		18.60		19.00
10	256QAM	25	0		18.58		19.00
10	256QAM	25	12		18.42		19.00
10	256QAM	25	25		18.52		19.00
10	256QAM	50	0		18.56		19.00
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	23.29	23.38	23.49	24.00
5	QPSK	1	12	23.24	23.26	23.36	24.00
5	QPSK	1	24	23.28	23.17	23.32	24.00
5	QPSK	12	0	22.35	22.29	22.50	23.00
5	QPSK	12	7	22.35	22.40	22.44	23.00
5	QPSK	12	13	22.35	22.28	22.42	23.00
5	QPSK	25	0	22.41	22.29	22.43	23.00
5	16QAM	1	0	22.70	22.67	22.66	23.00
5	16QAM	1	12	22.82	22.72	22.69	23.00
5	16QAM	1	24	22.44	22.48	22.43	23.00
5	16QAM	12	0	21.39	21.52	21.44	22.00
5	16QAM	12	7	21.35	21.50	21.36	22.00
5	16QAM	12	13	21.37	21.40	21.33	22.00
5	16QAM	25	0	21.47	21.43	21.49	22.00
5	64QAM	1	0	21.63	21.67	21.64	22.00
5	64QAM	1	12	21.52	21.54	21.64	22.00
5	64QAM	1	24	21.43	21.53	21.59	22.00
5	64QAM	12	0	20.31	20.48	20.32	21.00
5	64QAM	12	7	20.53	20.44	20.33	21.00
5	64QAM	12	13	20.35	20.44	20.27	21.00
5	64QAM	25	0	20.45	20.48	20.41	21.00
5	256QAM	1	0	18.36	18.37	18.47	19.00
5	256QAM	1	12	18.48	18.52	18.51	19.00
5	256QAM	1	24	18.55	18.55	18.56	19.00
5	256QAM	12	0	18.43	18.48	18.35	19.00
5	256QAM	12	7	18.36	18.37	18.17	19.00
5	256QAM	12	13	18.30	18.40	18.30	19.00
5	256QAM	25	0	18.44	18.32	18.31	19.00



【LTE Band 30_Ant 1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.56		24.00
10	QPSK	1	25		23.49		24.00
10	QPSK	1	49		23.42		24.00
10	QPSK	25	0		22.54		23.00
10	QPSK	25	12		22.53		23.00
10	QPSK	25	25		22.52		23.00
10	QPSK	50	0		22.56		23.00
10	16QAM	1	0		22.88		23.00
10	16QAM	1	25		22.86		23.00
10	16QAM	1	49		22.69		23.00
10	16QAM	25	0		21.60		22.00
10	16QAM	25	12		21.56		22.00
10	16QAM	25	25		21.59		22.00
10	16QAM	50	0		21.53		22.00
10	64QAM	1	0		21.72		22.00
10	64QAM	1	25		21.76		22.00
10	64QAM	1	49		21.68		22.00
10	64QAM	25	0		20.58		21.00
10	64QAM	25	12		20.57		21.00
10	64QAM	25	25		20.49		21.00
10	64QAM	50	0		20.63		21.00
10	256QAM	1	0		18.54		19.00
10	256QAM	1	25		18.69		19.00
10	256QAM	1	49		18.60		19.00
10	256QAM	25	0		18.58		19.00
10	256QAM	25	12		18.42		19.00
10	256QAM	25	25		18.52		19.00
10	256QAM	50	0		18.56		19.00
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	23.29	23.38	23.49	24.00
5	QPSK	1	12	23.24	23.26	23.36	24.00
5	QPSK	1	24	23.28	23.17	23.32	24.00
5	QPSK	12	0	22.35	22.29	22.50	23.00
5	QPSK	12	7	22.35	22.40	22.44	23.00
5	QPSK	12	13	22.35	22.28	22.42	23.00
5	QPSK	25	0	22.41	22.29	22.43	23.00
5	16QAM	1	0	22.70	22.67	22.66	23.00
5	16QAM	1	12	22.82	22.72	22.69	23.00
5	16QAM	1	24	22.44	22.48	22.43	23.00
5	16QAM	12	0	21.39	21.52	21.44	22.00
5	16QAM	12	7	21.35	21.50	21.36	22.00
5	16QAM	12	13	21.37	21.40	21.33	22.00
5	16QAM	25	0	21.47	21.43	21.49	22.00
5	64QAM	1	0	21.63	21.67	21.64	22.00
5	64QAM	1	12	21.52	21.54	21.64	22.00
5	64QAM	1	24	21.43	21.53	21.59	22.00
5	64QAM	12	0	20.31	20.48	20.32	21.00
5	64QAM	12	7	20.53	20.44	20.33	21.00
5	64QAM	12	13	20.35	20.44	20.27	21.00
5	64QAM	25	0	20.45	20.48	20.41	21.00
5	256QAM	1	0	18.36	18.37	18.47	19.00
5	256QAM	1	12	18.48	18.52	18.51	19.00
5	256QAM	1	24	18.55	18.55	18.56	19.00
5	256QAM	12	0	18.43	18.48	18.35	19.00
5	256QAM	12	7	18.36	18.37	18.17	19.00
5	256QAM	12	13	18.30	18.40	18.30	19.00
5	256QAM	25	0	18.44	18.32	18.31	19.00



【LTE Band 30_Ant 1_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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		21.58		22.00
10	QPSK	1	25		21.55		22.00
10	QPSK	1	49		21.51		22.00
10	QPSK	25	0		21.53		22.00
10	QPSK	25	12		21.49		22.00
10	QPSK	25	25		21.52		22.00
10	QPSK	50	0		21.60		22.00
10	16QAM	1	0		21.64		22.00
10	16QAM	1	25		21.63		22.00
10	16QAM	1	49		21.58		22.00
10	16QAM	25	0		21.53		22.00
10	16QAM	25	12		21.48		22.00
10	16QAM	25	25		21.53		22.00
10	16QAM	50	0		21.57		22.00
10	64QAM	1	0		21.65		22.00
10	64QAM	1	25		21.65		22.00
10	64QAM	1	49		21.60		22.00
10	64QAM	25	0		20.58		21.00
10	64QAM	25	12		20.57		21.00
10	64QAM	25	25		20.49		21.00
10	64QAM	50	0		20.63		21.00
10	256QAM	1	0		18.54		19.00
10	256QAM	1	25		18.69		19.00
10	256QAM	1	49		18.60		19.00
10	256QAM	25	0		18.58		19.00
10	256QAM	25	12		18.42		19.00
10	256QAM	25	25		18.52		19.00
10	256QAM	50	0		18.56		19.00
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	21.41	21.52	21.43	22.00
5	QPSK	1	12	21.45	21.38	21.55	22.00
5	QPSK	1	24	21.53	21.38	21.34	22.00
5	QPSK	12	0	21.54	21.35	21.54	22.00
5	QPSK	12	7	21.33	21.49	21.50	22.00
5	QPSK	12	13	21.50	21.48	21.40	22.00
5	QPSK	25	0	21.51	21.48	21.50	22.00
5	16QAM	1	0	21.57	21.56	21.46	22.00
5	16QAM	1	12	21.54	21.57	21.52	22.00
5	16QAM	1	24	21.53	21.54	21.45	22.00
5	16QAM	12	0	21.36	21.46	21.47	22.00
5	16QAM	12	7	21.45	21.36	21.50	22.00
5	16QAM	12	13	21.40	21.36	21.39	22.00
5	16QAM	25	0	21.45	21.55	21.52	22.00
5	64QAM	1	0	21.57	21.59	21.61	22.00
5	64QAM	1	12	21.48	21.49	21.53	22.00
5	64QAM	1	24	21.49	21.60	21.54	22.00
5	64QAM	12	0	20.41	20.47	20.56	21.00
5	64QAM	12	7	20.52	20.44	20.52	21.00
5	64QAM	12	13	20.40	20.43	20.43	21.00
5	64QAM	25	0	20.59	20.56	20.57	21.00
5	256QAM	1	0	18.47	18.47	18.43	19.00
5	256QAM	1	12	18.63	18.62	18.56	19.00
5	256QAM	1	24	18.49	18.55	18.50	19.00
5	256QAM	12	0	18.48	18.49	18.45	19.00
5	256QAM	12	7	18.32	18.30	18.31	19.00
5	256QAM	12	13	18.34	18.35	18.42	19.00
5	256QAM	25	0	18.55	18.45	18.48	19.00



【LTE Band 30_Ant 1_Hotspot 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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		21.58		22.00
10	QPSK	1	25		21.55		22.00
10	QPSK	1	49		21.51		22.00
10	QPSK	25	0		21.53		22.00
10	QPSK	25	12		21.49		22.00
10	QPSK	25	25		21.52		22.00
10	QPSK	50	0		21.60		22.00
10	16QAM	1	0		21.64		22.00
10	16QAM	1	25		21.63		22.00
10	16QAM	1	49		21.58		22.00
10	16QAM	25	0		21.53		22.00
10	16QAM	25	12		21.48		22.00
10	16QAM	25	25		21.53		22.00
10	16QAM	50	0		21.57		22.00
10	64QAM	1	0		21.65		22.00
10	64QAM	1	25		21.65		22.00
10	64QAM	1	49		21.60		22.00
10	64QAM	25	0		20.58		21.00
10	64QAM	25	12		20.57		21.00
10	64QAM	25	25		20.49		21.00
10	64QAM	50	0		20.63		21.00
10	256QAM	1	0		18.54		19.00
10	256QAM	1	25		18.69		19.00
10	256QAM	1	49		18.60		19.00
10	256QAM	25	0		18.58		19.00
10	256QAM	25	12		18.42		19.00
10	256QAM	25	25		18.52		19.00
10	256QAM	50	0		18.56		19.00
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	21.41	21.52	21.43	22.00
5	QPSK	1	12	21.45	21.38	21.55	22.00
5	QPSK	1	24	21.53	21.38	21.34	22.00
5	QPSK	12	0	21.54	21.35	21.54	22.00
5	QPSK	12	7	21.33	21.49	21.50	22.00
5	QPSK	12	13	21.50	21.48	21.40	22.00
5	QPSK	25	0	21.51	21.48	21.50	22.00
5	16QAM	1	0	21.57	21.56	21.46	22.00
5	16QAM	1	12	21.54	21.57	21.52	22.00
5	16QAM	1	24	21.53	21.54	21.45	22.00
5	16QAM	12	0	21.36	21.46	21.47	22.00
5	16QAM	12	7	21.45	21.36	21.50	22.00
5	16QAM	12	13	21.40	21.36	21.39	22.00
5	16QAM	25	0	21.45	21.55	21.52	22.00
5	64QAM	1	0	21.57	21.59	21.61	22.00
5	64QAM	1	12	21.48	21.49	21.53	22.00
5	64QAM	1	24	21.49	21.60	21.54	22.00
5	64QAM	12	0	20.41	20.47	20.56	21.00
5	64QAM	12	7	20.52	20.44	20.52	21.00
5	64QAM	12	13	20.40	20.43	20.43	21.00
5	64QAM	25	0	20.59	20.56	20.57	21.00
5	256QAM	1	0	18.47	18.47	18.43	19.00
5	256QAM	1	12	18.63	18.62	18.56	19.00
5	256QAM	1	24	18.49	18.55	18.50	19.00
5	256QAM	12	0	18.48	18.49	18.45	19.00
5	256QAM	12	7	18.32	18.30	18.31	19.00
5	256QAM	12	13	18.34	18.35	18.42	19.00
5	256QAM	25	0	18.55	18.45	18.48	19.00

**【LTE Band 30_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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.13		24.00
10	QPSK	1	25		23.09		24.00
10	QPSK	1	49		22.99		24.00
10	QPSK	25	0		22.09		23.00
10	QPSK	25	12		22.08		23.00
10	QPSK	25	25		22.01		23.00
10	QPSK	50	0		22.03		23.00
10	16QAM	1	0		22.32		23.00
10	16QAM	1	25		22.26		23.00
10	16QAM	1	49		22.29		23.00
10	16QAM	25	0		21.12		22.00
10	16QAM	25	12		21.13		22.00
10	16QAM	25	25		21.10		22.00
10	16QAM	50	0		21.12		22.00
10	64QAM	1	0		21.20		22.00
10	64QAM	1	25		21.13		22.00
10	64QAM	1	49		21.21		22.00
10	64QAM	25	0		20.08		21.00
10	64QAM	25	12		20.13		21.00
10	64QAM	25	25		20.01		21.00
10	64QAM	50	0		20.05		21.00
10	256QAM	1	0		18.23		19.00
10	256QAM	1	25		18.12		19.00
10	256QAM	1	49		18.18		19.00
10	256QAM	25	0		18.05		19.00
10	256QAM	25	12		18.07		19.00
10	256QAM	25	25		18.01		19.00
10	256QAM	50	0		18.06		19.00
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	23.01	23.06	23.00	24.00
5	QPSK	1	12	22.98	23.09	22.94	24.00
5	QPSK	1	24	22.69	22.87	22.79	24.00
5	QPSK	12	0	21.84	21.93	21.78	23.00
5	QPSK	12	7	21.71	21.89	21.77	23.00
5	QPSK	12	13	21.70	21.85	21.77	23.00
5	QPSK	25	0	21.67	21.85	21.71	23.00
5	16QAM	1	0	22.10	22.18	22.03	23.00
5	16QAM	1	12	22.10	22.25	22.07	23.00
5	16QAM	1	24	21.97	22.09	21.96	23.00
5	16QAM	12	0	20.81	20.94	20.81	22.00
5	16QAM	12	7	20.85	21.04	20.87	22.00
5	16QAM	12	13	20.91	21.06	20.98	22.00
5	16QAM	25	0	21.02	21.09	20.96	22.00
5	64QAM	1	0	20.82	20.99	20.88	22.00
5	64QAM	1	12	20.88	21.04	20.88	22.00
5	64QAM	1	24	20.88	21.04	20.97	22.00
5	64QAM	12	0	19.83	19.88	19.70	21.00
5	64QAM	12	7	19.88	19.99	19.81	21.00
5	64QAM	12	13	19.73	19.90	19.72	21.00
5	64QAM	25	0	19.89	20.04	19.97	21.00
5	256QAM	1	0	18.15	18.21	18.14	19.00
5	256QAM	1	12	17.89	18.05	17.88	19.00
5	256QAM	1	24	17.85	17.98	17.83	19.00
5	256QAM	12	0	17.96	18.01	17.82	19.00
5	256QAM	12	7	17.92	18.05	17.96	19.00
5	256QAM	12	13	17.87	17.95	17.81	19.00
5	256QAM	25	0	17.85	18.01	17.92	19.00



【LTE Band 30_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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.13		24.00
10	QPSK	1	25		23.09		24.00
10	QPSK	1	49		22.99		24.00
10	QPSK	25	0		22.09		23.00
10	QPSK	25	12		22.08		23.00
10	QPSK	25	25		22.01		23.00
10	QPSK	50	0		22.03		23.00
10	16QAM	1	0		22.32		23.00
10	16QAM	1	25		22.26		23.00
10	16QAM	1	49		22.29		23.00
10	16QAM	25	0		21.12		22.00
10	16QAM	25	12		21.13		22.00
10	16QAM	25	25		21.10		22.00
10	16QAM	50	0		21.12		22.00
10	64QAM	1	0		21.20		22.00
10	64QAM	1	25		21.13		22.00
10	64QAM	1	49		21.21		22.00
10	64QAM	25	0		20.08		21.00
10	64QAM	25	12		20.13		21.00
10	64QAM	25	25		20.01		21.00
10	64QAM	50	0		20.05		21.00
10	256QAM	1	0		18.23		19.00
10	256QAM	1	25		18.12		19.00
10	256QAM	1	49		18.18		19.00
10	256QAM	25	0		18.05		19.00
10	256QAM	25	12		18.07		19.00
10	256QAM	25	25		18.01		19.00
10	256QAM	50	0		18.06		19.00
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	23.01	23.06	23.00	24.00
5	QPSK	1	12	22.98	23.09	22.94	24.00
5	QPSK	1	24	22.69	22.87	22.79	24.00
5	QPSK	12	0	21.84	21.93	21.78	23.00
5	QPSK	12	7	21.71	21.89	21.77	23.00
5	QPSK	12	13	21.70	21.85	21.77	23.00
5	QPSK	25	0	21.67	21.85	21.71	23.00
5	16QAM	1	0	22.10	22.18	22.03	23.00
5	16QAM	1	12	22.10	22.25	22.07	23.00
5	16QAM	1	24	21.97	22.09	21.96	23.00
5	16QAM	12	0	20.81	20.94	20.81	22.00
5	16QAM	12	7	20.85	21.04	20.87	22.00
5	16QAM	12	13	20.91	21.06	20.98	22.00
5	16QAM	25	0	21.02	21.09	20.96	22.00
5	64QAM	1	0	20.82	20.99	20.88	22.00
5	64QAM	1	12	20.88	21.04	20.88	22.00
5	64QAM	1	24	20.88	21.04	20.97	22.00
5	64QAM	12	0	19.83	19.88	19.70	21.00
5	64QAM	12	7	19.88	19.99	19.81	21.00
5	64QAM	12	13	19.73	19.90	19.72	21.00
5	64QAM	25	0	19.89	20.04	19.97	21.00
5	256QAM	1	0	18.15	18.21	18.14	19.00
5	256QAM	1	12	17.89	18.05	17.88	19.00
5	256QAM	1	24	17.85	17.98	17.83	19.00
5	256QAM	12	0	17.96	18.01	17.82	19.00
5	256QAM	12	7	17.92	18.05	17.96	19.00
5	256QAM	12	13	17.87	17.95	17.81	19.00
5	256QAM	25	0	17.85	18.01	17.92	19.00

**【LTE Band 30_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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.13		24.00
10	QPSK	1	25		23.09		24.00
10	QPSK	1	49		22.99		24.00
10	QPSK	25	0		22.09		23.00
10	QPSK	25	12		22.08		23.00
10	QPSK	25	25		22.01		23.00
10	QPSK	50	0		22.03		23.00
10	16QAM	1	0		22.32		23.00
10	16QAM	1	25		22.26		23.00
10	16QAM	1	49		22.29		23.00
10	16QAM	25	0		21.12		22.00
10	16QAM	25	12		21.13		22.00
10	16QAM	25	25		21.10		22.00
10	16QAM	50	0		21.12		22.00
10	64QAM	1	0		21.20		22.00
10	64QAM	1	25		21.13		22.00
10	64QAM	1	49		21.21		22.00
10	64QAM	25	0		20.08		21.00
10	64QAM	25	12		20.13		21.00
10	64QAM	25	25		20.01		21.00
10	64QAM	50	0		20.05		21.00
10	256QAM	1	0		18.23		19.00
10	256QAM	1	25		18.12		19.00
10	256QAM	1	49		18.18		19.00
10	256QAM	25	0		18.05		19.00
10	256QAM	25	12		18.07		19.00
10	256QAM	25	25		18.01		19.00
10	256QAM	50	0		18.06		19.00
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	23.01	23.06	23.00	24.00
5	QPSK	1	12	22.98	23.09	22.94	24.00
5	QPSK	1	24	22.69	22.87	22.79	24.00
5	QPSK	12	0	21.84	21.93	21.78	23.00
5	QPSK	12	7	21.71	21.89	21.77	23.00
5	QPSK	12	13	21.70	21.85	21.77	23.00
5	QPSK	25	0	21.67	21.85	21.71	23.00
5	16QAM	1	0	22.10	22.18	22.03	23.00
5	16QAM	1	12	22.10	22.25	22.07	23.00
5	16QAM	1	24	21.97	22.09	21.96	23.00
5	16QAM	12	0	20.81	20.94	20.81	22.00
5	16QAM	12	7	20.85	21.04	20.87	22.00
5	16QAM	12	13	20.91	21.06	20.98	22.00
5	16QAM	25	0	21.02	21.09	20.96	22.00
5	64QAM	1	0	20.82	20.99	20.88	22.00
5	64QAM	1	12	20.88	21.04	20.88	22.00
5	64QAM	1	24	20.88	21.04	20.97	22.00
5	64QAM	12	0	19.83	19.88	19.70	21.00
5	64QAM	12	7	19.88	19.99	19.81	21.00
5	64QAM	12	13	19.73	19.90	19.72	21.00
5	64QAM	25	0	19.89	20.04	19.97	21.00
5	256QAM	1	0	18.15	18.21	18.14	19.00
5	256QAM	1	12	17.89	18.05	17.88	19.00
5	256QAM	1	24	17.85	17.98	17.83	19.00
5	256QAM	12	0	17.96	18.01	17.82	19.00
5	256QAM	12	7	17.92	18.05	17.96	19.00
5	256QAM	12	13	17.87	17.95	17.81	19.00
5	256QAM	25	0	17.85	18.01	17.92	19.00



【LTE Band 30_Ant 4_Hotspot 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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.13		24.00
10	QPSK	1	25		23.09		24.00
10	QPSK	1	49		22.99		24.00
10	QPSK	25	0		22.09		23.00
10	QPSK	25	12		22.08		23.00
10	QPSK	25	25		22.01		23.00
10	QPSK	50	0		22.03		23.00
10	16QAM	1	0		22.32		23.00
10	16QAM	1	25		22.26		23.00
10	16QAM	1	49		22.29		23.00
10	16QAM	25	0		21.12		22.00
10	16QAM	25	12		21.13		22.00
10	16QAM	25	25		21.10		22.00
10	16QAM	50	0		21.12		22.00
10	64QAM	1	0		21.20		22.00
10	64QAM	1	25		21.13		22.00
10	64QAM	1	49		21.21		22.00
10	64QAM	25	0		20.08		21.00
10	64QAM	25	12		20.13		21.00
10	64QAM	25	25		20.01		21.00
10	64QAM	50	0		20.05		21.00
10	256QAM	1	0		18.23		19.00
10	256QAM	1	25		18.12		19.00
10	256QAM	1	49		18.18		19.00
10	256QAM	25	0		18.05		19.00
10	256QAM	25	12		18.07		19.00
10	256QAM	25	25		18.01		19.00
10	256QAM	50	0		18.06		19.00
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	23.01	23.06	23.00	24.00
5	QPSK	1	12	22.98	23.09	22.94	24.00
5	QPSK	1	24	22.69	22.87	22.79	24.00
5	QPSK	12	0	21.84	21.93	21.78	23.00
5	QPSK	12	7	21.71	21.89	21.77	23.00
5	QPSK	12	13	21.70	21.85	21.77	23.00
5	QPSK	25	0	21.67	21.85	21.71	23.00
5	16QAM	1	0	22.10	22.18	22.03	23.00
5	16QAM	1	12	22.10	22.25	22.07	23.00
5	16QAM	1	24	21.97	22.09	21.96	23.00
5	16QAM	12	0	20.81	20.94	20.81	22.00
5	16QAM	12	7	20.85	21.04	20.87	22.00
5	16QAM	12	13	20.91	21.06	20.98	22.00
5	16QAM	25	0	21.02	21.09	20.96	22.00
5	64QAM	1	0	20.82	20.99	20.88	22.00
5	64QAM	1	12	20.88	21.04	20.88	22.00
5	64QAM	1	24	20.88	21.04	20.97	22.00
5	64QAM	12	0	19.83	19.88	19.70	21.00
5	64QAM	12	7	19.88	19.99	19.81	21.00
5	64QAM	12	13	19.73	19.90	19.72	21.00
5	64QAM	25	0	19.89	20.04	19.97	21.00
5	256QAM	1	0	18.15	18.21	18.14	19.00
5	256QAM	1	12	17.89	18.05	17.88	19.00
5	256QAM	1	24	17.85	17.98	17.83	19.00
5	256QAM	12	0	17.96	18.01	17.82	19.00
5	256QAM	12	7	17.92	18.05	17.96	19.00
5	256QAM	12	13	17.87	17.95	17.81	19.00
5	256QAM	25	0	17.85	18.01	17.92	19.00

**【LTE Band 30_Ant 5_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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.11		24.00
10	QPSK	1	25		22.96		24.00
10	QPSK	1	49		23.07		24.00
10	QPSK	25	0		23.06		24.00
10	QPSK	25	12		23.03		24.00
10	QPSK	25	25		23.03		24.00
10	QPSK	50	0		23.06		24.00
10	16QAM	1	0		23.05		24.00
10	16QAM	1	25		23.01		24.00
10	16QAM	1	49		23.12		24.00
10	16QAM	25	0		22.15		23.00
10	16QAM	25	12		22.01		23.00
10	16QAM	25	25		22.18		23.00
10	16QAM	50	0		22.21		23.00
10	64QAM	1	0		21.70		22.50
10	64QAM	1	25		21.64		22.50
10	64QAM	1	49		21.52		22.50
10	64QAM	25	0		21.07		22.00
10	64QAM	25	12		21.13		22.00
10	64QAM	25	25		21.16		22.00
10	64QAM	50	0		21.07		22.00
10	256QAM	1	0		19.08		20.00
10	256QAM	1	25		19.00		20.00
10	256QAM	1	49		19.03		20.00
10	256QAM	25	0		19.05		20.00
10	256QAM	25	12		19.07		20.00
10	256QAM	25	25		19.23		20.00
10	256QAM	50	0		19.21		20.00
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	22.98	23.08	23.04	24.00
5	QPSK	1	12	22.70	22.85	22.73	24.00
5	QPSK	1	24	22.74	22.91	22.75	24.00
5	QPSK	12	0	22.72	22.88	22.80	24.00
5	QPSK	12	7	22.76	22.95	22.84	24.00
5	QPSK	12	13	22.85	23.01	22.92	24.00
5	QPSK	25	0	22.69	22.91	22.73	24.00
5	16QAM	1	0	22.81	23.03	22.98	24.00
5	16QAM	1	12	22.89	23.04	22.96	24.00
5	16QAM	1	24	22.86	23.00	22.90	24.00
5	16QAM	12	0	21.93	22.12	21.99	23.00
5	16QAM	12	7	21.66	21.83	21.68	23.00
5	16QAM	12	13	22.00	22.14	22.02	23.00
5	16QAM	25	0	22.03	22.16	22.08	23.00
5	64QAM	1	0	21.42	21.66	21.51	22.50
5	64QAM	1	12	21.42	21.56	21.43	22.50
5	64QAM	1	24	21.34	21.55	21.48	22.50
5	64QAM	12	0	20.70	20.90	20.82	22.00
5	64QAM	12	7	20.79	21.01	20.96	22.00
5	64QAM	12	13	20.96	21.16	21.02	22.00
5	64QAM	25	0	20.72	20.94	20.81	22.00
5	256QAM	1	0	18.76	18.89	18.78	20.00
5	256QAM	1	12	18.83	19.01	18.87	20.00
5	256QAM	1	24	18.88	18.98	18.85	20.00
5	256QAM	12	0	18.86	19.05	18.98	20.00
5	256QAM	12	7	18.87	19.03	18.94	20.00
5	256QAM	12	13	19.12	19.22	19.13	20.00
5	256QAM	25	0	19.00	19.10	18.94	20.00



【LTE Band 30_Ant 5_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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.11		24.00
10	QPSK	1	25		22.96		24.00
10	QPSK	1	49		23.07		24.00
10	QPSK	25	0		23.06		24.00
10	QPSK	25	12		23.03		24.00
10	QPSK	25	25		23.03		24.00
10	QPSK	50	0		23.06		24.00
10	16QAM	1	0		23.05		24.00
10	16QAM	1	25		23.01		24.00
10	16QAM	1	49		23.12		24.00
10	16QAM	25	0		22.15		23.00
10	16QAM	25	12		22.01		23.00
10	16QAM	25	25		22.18		23.00
10	16QAM	50	0		22.21		23.00
10	64QAM	1	0		21.70		22.50
10	64QAM	1	25		21.64		22.50
10	64QAM	1	49		21.52		22.50
10	64QAM	25	0		21.07		22.00
10	64QAM	25	12		21.13		22.00
10	64QAM	25	25		21.16		22.00
10	64QAM	50	0		21.07		22.00
10	256QAM	1	0		19.08		20.00
10	256QAM	1	25		19.00		20.00
10	256QAM	1	49		19.03		20.00
10	256QAM	25	0		19.05		20.00
10	256QAM	25	12		19.07		20.00
10	256QAM	25	25		19.23		20.00
10	256QAM	50	0		19.21		20.00
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	22.98	23.08	23.04	24.00
5	QPSK	1	12	22.70	22.85	22.73	24.00
5	QPSK	1	24	22.74	22.91	22.75	24.00
5	QPSK	12	0	22.72	22.88	22.80	24.00
5	QPSK	12	7	22.76	22.95	22.84	24.00
5	QPSK	12	13	22.85	23.01	22.92	24.00
5	QPSK	25	0	22.69	22.91	22.73	24.00
5	16QAM	1	0	22.81	23.03	22.98	24.00
5	16QAM	1	12	22.89	23.04	22.96	24.00
5	16QAM	1	24	22.86	23.00	22.90	24.00
5	16QAM	12	0	21.93	22.12	21.99	23.00
5	16QAM	12	7	21.66	21.83	21.68	23.00
5	16QAM	12	13	22.00	22.14	22.02	23.00
5	16QAM	25	0	22.03	22.16	22.08	23.00
5	64QAM	1	0	21.42	21.66	21.51	22.50
5	64QAM	1	12	21.42	21.56	21.43	22.50
5	64QAM	1	24	21.34	21.55	21.48	22.50
5	64QAM	12	0	20.70	20.90	20.82	22.00
5	64QAM	12	7	20.79	21.01	20.96	22.00
5	64QAM	12	13	20.96	21.16	21.02	22.00
5	64QAM	25	0	20.72	20.94	20.81	22.00
5	256QAM	1	0	18.76	18.89	18.78	20.00
5	256QAM	1	12	18.83	19.01	18.87	20.00
5	256QAM	1	24	18.88	18.98	18.85	20.00
5	256QAM	12	0	18.86	19.05	18.98	20.00
5	256QAM	12	7	18.87	19.03	18.94	20.00
5	256QAM	12	13	19.12	19.22	19.13	20.00
5	256QAM	25	0	19.00	19.10	18.94	20.00



【LTE Band 30_Ant 5_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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		17.71		18.50
10	QPSK	1	25		17.56		18.50
10	QPSK	1	49		17.63		18.50
10	QPSK	25	0		17.65		18.50
10	QPSK	25	12		17.51		18.50
10	QPSK	25	25		17.62		18.50
10	QPSK	50	0		17.67		18.50
10	16QAM	1	0		17.60		18.50
10	16QAM	1	25		17.57		18.50
10	16QAM	1	49		17.63		18.50
10	16QAM	25	0		17.54		18.50
10	16QAM	25	12		17.67		18.50
10	16QAM	25	25		17.61		18.50
10	16QAM	50	0		17.57		18.50
10	64QAM	1	0		17.69		18.50
10	64QAM	1	25		17.69		18.50
10	64QAM	1	49		17.59		18.50
10	64QAM	25	0		17.55		18.50
10	64QAM	25	12		17.56		18.50
10	64QAM	25	25		17.62		18.50
10	64QAM	50	0		17.62		18.50
10	256QAM	1	0		17.57		18.50
10	256QAM	1	25		17.55		18.50
10	256QAM	1	49		17.56		18.50
10	256QAM	25	0		17.59		18.50
10	256QAM	25	12		17.58		18.50
10	256QAM	25	25		17.62		18.50
10	256QAM	50	0		17.61		18.50
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	17.60	17.62	17.56	18.50
5	QPSK	1	12	17.43	17.55	17.35	18.50
5	QPSK	1	24	17.50	17.57	17.49	18.50
5	QPSK	12	0	17.37	17.50	17.37	18.50
5	QPSK	12	7	17.36	17.45	17.30	18.50
5	QPSK	12	13	17.51	17.57	17.48	18.50
5	QPSK	25	0	17.40	17.48	17.29	18.50
5	16QAM	1	0	17.48	17.61	17.40	18.50
5	16QAM	1	12	17.50	17.59	17.49	18.50
5	16QAM	1	24	17.35	17.47	17.27	18.50
5	16QAM	12	0	17.36	17.46	17.38	18.50
5	16QAM	12	7	17.49	17.54	17.45	18.50
5	16QAM	12	13	17.36	17.52	17.38	18.50
5	16QAM	25	0	17.22	17.38	17.19	18.50
5	64QAM	1	0	17.53	17.57	17.36	18.50
5	64QAM	1	12	17.46	17.62	17.45	18.50
5	64QAM	1	24	17.44	17.55	17.47	18.50
5	64QAM	12	0	17.29	17.42	17.23	18.50
5	64QAM	12	7	17.43	17.46	17.30	18.50
5	64QAM	12	13	17.60	17.64	17.54	18.50
5	64QAM	25	0	17.51	17.64	17.46	18.50
5	256QAM	1	0	17.31	17.44	17.37	18.50
5	256QAM	1	12	17.50	17.56	17.46	18.50
5	256QAM	1	24	17.46	17.56	17.48	18.50
5	256QAM	12	0	17.29	17.45	17.37	18.50
5	256QAM	12	7	17.34	17.46	17.37	18.50
5	256QAM	12	13	17.60	17.66	17.52	18.50
5	256QAM	25	0	17.54	17.64	17.52	18.50



【LTE Band 30_Ant 5_Hotspot 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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		17.71		18.50
10	QPSK	1	25		17.56		18.50
10	QPSK	1	49		17.63		18.50
10	QPSK	25	0		17.65		18.50
10	QPSK	25	12		17.51		18.50
10	QPSK	25	25		17.62		18.50
10	QPSK	50	0		17.67		18.50
10	16QAM	1	0		17.60		18.50
10	16QAM	1	25		17.57		18.50
10	16QAM	1	49		17.63		18.50
10	16QAM	25	0		17.54		18.50
10	16QAM	25	12		17.67		18.50
10	16QAM	25	25		17.61		18.50
10	16QAM	50	0		17.57		18.50
10	64QAM	1	0		17.69		18.50
10	64QAM	1	25		17.69		18.50
10	64QAM	1	49		17.59		18.50
10	64QAM	25	0		17.55		18.50
10	64QAM	25	12		17.56		18.50
10	64QAM	25	25		17.62		18.50
10	64QAM	50	0		17.62		18.50
10	256QAM	1	0		17.57		18.50
10	256QAM	1	25		17.55		18.50
10	256QAM	1	49		17.56		18.50
10	256QAM	25	0		17.59		18.50
10	256QAM	25	12		17.58		18.50
10	256QAM	25	25		17.62		18.50
10	256QAM	50	0		17.61		18.50
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	17.60	17.62	17.56	18.50
5	QPSK	1	12	17.43	17.55	17.35	18.50
5	QPSK	1	24	17.50	17.57	17.49	18.50
5	QPSK	12	0	17.37	17.50	17.37	18.50
5	QPSK	12	7	17.36	17.45	17.30	18.50
5	QPSK	12	13	17.51	17.57	17.48	18.50
5	QPSK	25	0	17.40	17.48	17.29	18.50
5	16QAM	1	0	17.48	17.61	17.40	18.50
5	16QAM	1	12	17.50	17.59	17.49	18.50
5	16QAM	1	24	17.35	17.47	17.27	18.50
5	16QAM	12	0	17.36	17.46	17.38	18.50
5	16QAM	12	7	17.49	17.54	17.45	18.50
5	16QAM	12	13	17.36	17.52	17.38	18.50
5	16QAM	25	0	17.22	17.38	17.19	18.50
5	64QAM	1	0	17.53	17.57	17.36	18.50
5	64QAM	1	12	17.46	17.62	17.45	18.50
5	64QAM	1	24	17.44	17.55	17.47	18.50
5	64QAM	12	0	17.29	17.42	17.23	18.50
5	64QAM	12	7	17.43	17.46	17.30	18.50
5	64QAM	12	13	17.60	17.64	17.54	18.50
5	64QAM	25	0	17.51	17.64	17.46	18.50
5	256QAM	1	0	17.31	17.44	17.37	18.50
5	256QAM	1	12	17.50	17.56	17.46	18.50
5	256QAM	1	24	17.46	17.56	17.48	18.50
5	256QAM	12	0	17.29	17.45	17.37	18.50
5	256QAM	12	7	17.34	17.46	17.37	18.50
5	256QAM	12	13	17.60	17.66	17.52	18.50
5	256QAM	25	0	17.54	17.64	17.52	18.50



【LTE Band 38_Ant 0_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	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.92	24.13	24.12	25.00
20	QPSK	1	49	23.89	24.12	24.05	25.00
20	QPSK	1	99	23.86	24.12	24.05	25.00
20	QPSK	50	0	22.87	23.18	23.07	24.00
20	QPSK	50	24	22.91	23.14	23.01	24.00
20	QPSK	50	50	22.77	23.02	22.98	24.00
20	QPSK	100	0	22.83	23.08	22.99	24.00
20	16QAM	1	0	22.72	23.06	22.92	24.00
20	16QAM	1	49	22.78	23.12	23.04	24.00
20	16QAM	1	99	22.87	23.10	23.04	24.00
20	16QAM	50	0	21.81	22.08	21.95	23.00
20	16QAM	50	24	21.81	22.10	21.95	23.00
20	16QAM	50	50	21.83	22.13	21.98	23.00
20	16QAM	100	0	21.84	22.09	22.04	23.00
20	64QAM	1	0	21.95	22.16	22.02	23.00
20	64QAM	1	49	21.87	22.16	22.09	23.00
20	64QAM	1	99	21.81	22.13	21.98	23.00
20	64QAM	50	0	20.79	21.05	20.98	22.00
20	64QAM	50	24	20.84	21.10	21.05	22.00
20	64QAM	50	50	20.91	21.17	21.04	22.00
20	64QAM	100	0	20.88	21.09	21.04	22.00
20	256QAM	1	0	18.74	19.05	18.95	20.00
20	256QAM	1	49	19.67	19.98	19.90	20.00
20	256QAM	1	99	18.87	19.08	19.01	20.00
20	256QAM	50	0	18.83	19.07	18.97	20.00
20	256QAM	50	24	18.92	19.12	19.04	20.00
20	256QAM	50	50	18.98	19.19	19.06	20.00
20	256QAM	100	0	18.91	19.10	19.00	20.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.83	24.06	24.06	25.00
15	QPSK	1	37	23.75	24.01	23.99	25.00
15	QPSK	1	74	23.73	24.02	23.91	25.00
15	QPSK	36	0	22.86	23.04	23.01	24.00
15	QPSK	36	20	22.83	23.05	22.87	24.00
15	QPSK	36	39	22.71	22.89	22.92	24.00
15	QPSK	75	0	22.75	23.03	22.90	24.00
15	16QAM	1	0	22.70	23.04	22.85	24.00
15	16QAM	1	37	22.69	22.99	22.93	24.00
15	16QAM	1	74	22.85	23.03	22.98	24.00
15	16QAM	36	0	21.72	22.01	21.86	23.00
15	16QAM	36	20	21.67	21.97	21.82	23.00
15	16QAM	36	39	21.70	22.00	21.86	23.00
15	16QAM	75	0	21.78	21.95	21.97	23.00
15	64QAM	1	0	21.81	22.04	21.97	23.00
15	64QAM	1	37	21.80	22.02	22.03	23.00
15	64QAM	1	74	21.77	22.03	21.97	23.00
15	64QAM	36	0	20.65	20.91	20.87	22.00
15	64QAM	36	20	20.70	21.00	21.04	22.00
15	64QAM	36	39	20.79	21.15	20.99	22.00
15	64QAM	75	0	20.76	20.99	21.01	22.00
15	256QAM	1	0	18.73	18.98	18.80	20.00
15	256QAM	1	37	19.58	19.90	19.89	20.00
15	256QAM	1	74	18.78	19.05	18.93	20.00
15	256QAM	36	0	18.71	19.00	18.91	20.00
15	256QAM	36	20	18.79	19.09	18.94	20.00
15	256QAM	36	39	18.92	19.15	19.04	20.00
15	256QAM	75	0	18.80	18.96	18.97	20.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.77	24.11	23.98	25.00
10	QPSK	1	25	23.83	24.05	23.94	25.00
10	QPSK	1	49	23.78	24.00	23.95	25.00
10	QPSK	25	0	22.80	23.11	22.94	24.00
10	QPSK	25	12	22.78	23.01	22.94	24.00
10	QPSK	25	25	22.66	22.93	22.84	24.00
10	QPSK	50	0	22.77	23.03	22.93	24.00
10	16QAM	1	0	22.61	22.95	22.83	24.00
10	16QAM	1	25	22.68	23.09	22.95	24.00



10	16QAM	1	49	22.84	22.98	23.01	24.00
10	16QAM	25	0	21.68	22.06	21.92	23.00
10	16QAM	25	12	21.68	22.04	21.93	23.00
10	16QAM	25	25	21.72	22.11	21.94	23.00
10	16QAM	50	0	21.70	21.96	21.90	23.00
10	64QAM	1	0	21.82	22.13	21.87	23.00
10	64QAM	1	25	21.73	22.13	22.04	23.00
10	64QAM	1	49	21.72	22.11	21.92	23.00
10	64QAM	25	0	20.71	21.04	20.87	22.00
10	64QAM	25	12	20.82	21.07	20.96	22.00
10	64QAM	25	25	20.82	21.03	20.98	22.00
10	64QAM	50	0	20.75	20.94	20.91	22.00
10	256QAM	1	0	18.63	18.98	18.94	20.00
10	256QAM	1	25	19.60	19.88	19.81	20.00
10	256QAM	1	49	18.75	18.98	18.89	20.00
10	256QAM	25	0	18.78	19.01	18.89	20.00
10	256QAM	25	12	18.89	19.04	18.95	20.00
10	256QAM	25	25	18.91	19.10	19.01	20.00
10	256QAM	50	0	18.88	18.97	18.96	20.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.83	24.06	24.00	25.00
5	QPSK	1	12	23.80	24.03	23.96	25.00
5	QPSK	1	24	23.72	24.03	23.91	25.00
5	QPSK	12	0	22.78	23.08	22.97	24.00
5	QPSK	12	7	22.85	23.05	22.91	24.00
5	QPSK	12	13	22.72	22.89	22.85	24.00
5	QPSK	25	0	22.76	22.95	22.94	24.00
5	16QAM	1	0	22.68	22.92	22.86	24.00
5	16QAM	1	12	22.73	23.06	23.02	24.00
5	16QAM	1	24	22.77	23.00	22.93	24.00
5	16QAM	12	0	21.70	22.02	21.88	23.00
5	16QAM	12	7	21.70	22.01	21.86	23.00
5	16QAM	12	13	21.70	22.07	21.91	23.00
5	16QAM	25	0	21.74	22.03	21.99	23.00
5	64QAM	1	0	21.82	22.08	21.91	23.00
5	64QAM	1	12	21.82	22.15	22.07	23.00
5	64QAM	1	24	21.79	22.11	21.89	23.00
5	64QAM	12	0	20.66	20.98	20.88	22.00
5	64QAM	12	7	20.70	21.02	21.02	22.00
5	64QAM	12	13	20.84	21.06	21.01	22.00
5	64QAM	25	0	20.78	21.03	21.01	22.00
5	256QAM	1	0	18.69	18.93	18.88	20.00
5	256QAM	1	12	19.56	19.84	19.85	20.00
5	256QAM	1	24	18.76	18.97	18.98	20.00
5	256QAM	12	0	18.72	18.99	18.87	20.00
5	256QAM	12	7	18.81	19.09	18.99	20.00
5	256QAM	12	13	18.93	19.08	18.96	20.00
5	256QAM	25	0	18.89	18.95	18.96	20.00

【LTE Band 38_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.92	24.13	24.12	25.00
20	QPSK	1	49	23.89	24.12	24.05	25.00
20	QPSK	1	99	23.86	24.12	24.05	25.00
20	QPSK	50	0	22.87	23.18	23.07	24.00
20	QPSK	50	24	22.91	23.14	23.01	24.00
20	QPSK	50	50	22.77	23.02	22.98	24.00
20	QPSK	100	0	22.83	23.08	22.99	24.00
20	16QAM	1	0	22.72	23.06	22.92	24.00
20	16QAM	1	49	22.78	23.12	23.04	24.00
20	16QAM	1	99	22.87	23.10	23.04	24.00
20	16QAM	50	0	21.81	22.08	21.95	23.00
20	16QAM	50	24	21.81	22.10	21.95	23.00
20	16QAM	50	50	21.83	22.13	21.98	23.00
20	16QAM	100	0	21.84	22.09	22.04	23.00
20	64QAM	1	0	21.95	22.16	22.02	23.00
20	64QAM	1	49	21.87	22.16	22.09	23.00
20	64QAM	1	99	21.81	22.13	21.98	23.00



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20	64QAM	50	0	20.79	21.05	20.98	22.00
20	64QAM	50	24	20.84	21.10	21.05	22.00
20	64QAM	50	50	20.91	21.17	21.04	22.00
20	64QAM	100	0	20.88	21.09	21.04	22.00
20	256QAM	1	0	18.74	19.05	18.95	20.00
20	256QAM	1	49	19.67	19.98	19.90	20.00
20	256QAM	1	99	18.87	19.08	19.01	20.00
20	256QAM	50	0	18.83	19.07	18.97	20.00
20	256QAM	50	24	18.92	19.12	19.04	20.00
20	256QAM	50	50	18.98	19.19	19.06	20.00
20	256QAM	100	0	18.91	19.10	19.00	20.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	23.83	24.06	24.06	25.00
15	QPSK	1	37	23.75	24.01	23.99	25.00
15	QPSK	1	74	23.73	24.02	23.91	25.00
15	QPSK	36	0	22.86	23.04	23.01	24.00
15	QPSK	36	20	22.83	23.05	22.87	24.00
15	QPSK	36	39	22.71	22.89	22.92	24.00
15	QPSK	75	0	22.75	23.03	22.90	24.00
15	16QAM	1	0	22.70	23.04	22.85	24.00
15	16QAM	1	37	22.69	22.99	22.93	24.00
15	16QAM	1	74	22.85	23.03	22.98	24.00
15	16QAM	36	0	21.72	22.01	21.86	23.00
15	16QAM	36	20	21.67	21.97	21.82	23.00
15	16QAM	36	39	21.70	22.00	21.86	23.00
15	16QAM	75	0	21.78	21.95	21.97	23.00
15	64QAM	1	0	21.81	22.04	21.97	23.00
15	64QAM	1	37	21.80	22.02	22.03	23.00
15	64QAM	1	74	21.77	22.03	21.97	23.00
15	64QAM	36	0	20.65	20.91	20.87	22.00
15	64QAM	36	20	20.70	21.00	21.04	22.00
15	64QAM	36	39	20.79	21.15	20.99	22.00
15	64QAM	75	0	20.76	20.99	21.01	22.00
15	256QAM	1	0	18.73	18.98	18.80	20.00
15	256QAM	1	37	19.58	19.90	19.89	20.00
15	256QAM	1	74	18.78	19.05	18.93	20.00
15	256QAM	36	0	18.71	19.00	18.91	20.00
15	256QAM	36	20	18.79	19.09	18.94	20.00
15	256QAM	36	39	18.92	19.15	19.04	20.00
15	256QAM	75	0	18.80	18.96	18.97	20.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	23.77	24.11	23.98	25.00
10	QPSK	1	25	23.83	24.05	23.94	25.00
10	QPSK	1	49	23.78	24.00	23.95	25.00
10	QPSK	25	0	22.80	23.11	22.94	24.00
10	QPSK	25	12	22.78	23.01	22.94	24.00
10	QPSK	25	25	22.66	22.93	22.84	24.00
10	QPSK	50	0	22.77	23.03	22.93	24.00
10	16QAM	1	0	22.61	22.95	22.83	24.00
10	16QAM	1	25	22.68	23.09	22.95	24.00
10	16QAM	1	49	22.84	22.98	23.01	24.00
10	16QAM	25	0	21.68	22.06	21.92	23.00
10	16QAM	25	12	21.68	22.04	21.93	23.00
10	16QAM	25	25	21.72	22.11	21.94	23.00
10	16QAM	50	0	21.70	21.96	21.90	23.00
10	64QAM	1	0	21.82	22.13	21.87	23.00
10	64QAM	1	25	21.73	22.13	22.04	23.00
10	64QAM	1	49	21.72	22.11	21.92	23.00
10	64QAM	25	0	20.71	21.04	20.87	22.00
10	64QAM	25	12	20.82	21.07	20.96	22.00
10	64QAM	25	25	20.82	21.03	20.98	22.00
10	64QAM	50	0	20.75	20.94	20.91	22.00
10	256QAM	1	0	18.63	18.98	18.94	20.00
10	256QAM	1	25	19.60	19.88	19.81	20.00
10	256QAM	1	49	18.75	18.98	18.89	20.00
10	256QAM	25	0	18.78	19.01	18.89	20.00
10	256QAM	25	12	18.89	19.04	18.95	20.00
10	256QAM	25	25	18.91	19.10	19.01	20.00
10	256QAM	50	0	18.88	18.97	18.96	20.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	23.83	24.06	24.00	25.00
5	QPSK	1	12	23.80	24.03	23.96	25.00
5	QPSK	1	24	23.72	24.03	23.91	25.00
5	QPSK	12	0	22.78	23.08	22.97	24.00
5	QPSK	12	7	22.85	23.05	22.91	24.00



5	QPSK	12	13	22.72	22.89	22.85	24.00
5	QPSK	25	0	22.76	22.95	22.94	24.00
5	16QAM	1	0	22.68	22.92	22.86	24.00
5	16QAM	1	12	22.73	23.06	23.02	24.00
5	16QAM	1	24	22.77	23.00	22.93	24.00
5	16QAM	12	0	21.70	22.02	21.88	23.00
5	16QAM	12	7	21.70	22.01	21.86	23.00
5	16QAM	12	13	21.70	22.07	21.91	23.00
5	16QAM	25	0	21.74	22.03	21.99	23.00
5	64QAM	1	0	21.82	22.08	21.91	23.00
5	64QAM	1	12	21.82	22.15	22.07	23.00
5	64QAM	1	24	21.79	22.11	21.89	23.00
5	64QAM	12	0	20.66	20.98	20.88	22.00
5	64QAM	12	7	20.70	21.02	21.02	22.00
5	64QAM	12	13	20.84	21.06	21.01	22.00
5	64QAM	25	0	20.78	21.03	21.01	22.00
5	256QAM	1	0	18.69	18.93	18.88	20.00
5	256QAM	1	12	19.56	19.84	19.85	20.00
5	256QAM	1	24	18.76	18.97	18.98	20.00
5	256QAM	12	0	18.72	18.99	18.87	20.00
5	256QAM	12	7	18.81	19.09	18.99	20.00
5	256QAM	12	13	18.93	19.08	18.96	20.00
5	256QAM	25	0	18.89	18.95	18.96	20.00

【LTE Band 38_Ant 0_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	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	17.99	18.22	18.10	19.00
20	QPSK	1	49	17.95	18.20	18.19	19.00
20	QPSK	1	99	17.83	18.05	18.12	19.00
20	QPSK	50	0	17.89	18.20	18.19	19.00
20	QPSK	50	24	17.87	18.13	18.11	19.00
20	QPSK	50	50	17.89	18.12	18.13	19.00
20	QPSK	100	0	17.93	18.21	18.09	19.00
20	16QAM	1	0	17.84	18.10	18.03	19.00
20	16QAM	1	49	17.89	18.04	18.13	19.00
20	16QAM	1	99	18.02	18.14	18.20	19.00
20	16QAM	50	0	17.91	18.19	18.15	19.00
20	16QAM	50	24	17.84	18.06	18.21	19.00
20	16QAM	50	50	17.90	18.05	18.20	19.00
20	16QAM	100	0	17.84	18.18	18.03	19.00
20	64QAM	1	0	17.84	18.10	18.09	19.00
20	64QAM	1	49	18.01	18.18	18.18	19.00
20	64QAM	1	99	17.96	18.09	18.15	19.00
20	64QAM	50	0	17.96	18.04	18.08	19.00
20	64QAM	50	24	17.92	18.22	18.19	19.00
20	64QAM	50	50	18.00	18.22	18.11	19.00
20	64QAM	100	0	17.92	18.23	18.17	19.00
20	256QAM	1	0	18.01	18.11	18.07	19.00
20	256QAM	1	49	17.93	18.11	18.11	19.00
20	256QAM	1	99	17.88	18.22	18.06	19.00
20	256QAM	50	0	17.98	18.15	18.11	19.00
20	256QAM	50	24	17.97	18.12	18.09	19.00
20	256QAM	50	50	17.97	18.16	18.18	19.00
20	256QAM	100	0	17.97	18.10	18.13	19.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	17.84	18.08	18.03	19.00
15	QPSK	1	37	17.84	18.12	18.09	19.00
15	QPSK	1	74	17.78	17.96	18.08	19.00
15	QPSK	36	0	17.80	18.11	18.08	19.00
15	QPSK	36	20	17.80	18.03	18.06	19.00
15	QPSK	36	39	17.79	18.10	18.03	19.00
15	QPSK	75	0	17.86	18.17	18.05	19.00
15	16QAM	1	0	17.76	18.06	17.93	19.00
15	16QAM	1	37	17.78	17.90	18.07	19.00
15	16QAM	1	74	17.96	18.10	18.10	19.00
15	16QAM	36	0	17.88	18.17	18.04	19.00
15	16QAM	36	20	17.74	17.92	18.10	19.00
15	16QAM	36	39	17.81	17.93	18.10	19.00



15	16QAM	75	0	17.80	18.06	17.94	19.00
15	64QAM	1	0	17.70	17.97	17.95	19.00
15	64QAM	1	37	17.94	18.05	18.06	19.00
15	64QAM	1	74	17.82	17.96	18.10	19.00
15	64QAM	36	0	17.91	18.01	18.05	19.00
15	64QAM	36	20	17.77	18.14	18.10	19.00
15	64QAM	36	39	17.90	18.12	18.06	19.00
15	64QAM	75	0	17.85	18.11	18.04	19.00
15	256QAM	1	0	17.97	18.09	18.05	19.00
15	256QAM	1	37	17.83	18.03	18.00	19.00
15	256QAM	1	74	17.83	18.08	17.99	19.00
15	256QAM	36	0	17.95	18.09	18.05	19.00
15	256QAM	36	20	17.91	17.99	17.96	19.00
15	256QAM	36	39	17.91	18.09	18.08	19.00
15	256QAM	75	0	17.86	18.06	18.02	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	17.88	18.17	18.03	19.00
10	QPSK	1	25	17.87	18.10	18.10	19.00
10	QPSK	1	49	17.72	18.00	18.02	19.00
10	QPSK	25	0	17.80	18.06	18.09	19.00
10	QPSK	25	12	17.83	17.99	18.05	19.00
10	QPSK	25	25	17.86	18.01	18.02	19.00
10	QPSK	50	0	17.87	18.13	18.03	19.00
10	16QAM	1	0	17.79	17.95	17.95	19.00
10	16QAM	1	25	17.75	17.95	18.10	19.00
10	16QAM	1	49	17.89	18.09	18.10	19.00
10	16QAM	25	0	17.83	18.12	18.07	19.00
10	16QAM	25	12	17.77	18.03	18.09	19.00
10	16QAM	25	25	17.87	17.99	18.06	19.00
10	16QAM	50	0	17.71	18.14	17.96	19.00
10	64QAM	1	0	17.72	17.96	17.95	19.00
10	64QAM	1	25	17.99	18.13	18.04	19.00
10	64QAM	1	49	17.82	18.01	18.02	19.00
10	64QAM	25	0	17.82	18.00	17.94	19.00
10	64QAM	25	12	17.82	18.10	18.10	19.00
10	64QAM	25	25	17.97	18.08	18.05	19.00
10	64QAM	50	0	17.85	18.18	18.10	19.00
10	256QAM	1	0	17.87	18.09	17.95	19.00
10	256QAM	1	25	17.89	17.97	18.04	19.00
10	256QAM	1	49	17.87	18.18	18.04	19.00
10	256QAM	25	0	17.96	18.11	18.08	19.00
10	256QAM	25	12	17.83	18.05	17.99	19.00
10	256QAM	25	25	17.85	18.12	18.06	19.00
10	256QAM	50	0	17.95	17.99	17.98	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	17.86	18.17	17.97	19.00
5	QPSK	1	12	17.85	18.16	18.10	19.00
5	QPSK	1	24	17.69	17.92	18.01	19.00
5	QPSK	12	0	17.75	18.07	18.04	19.00
5	QPSK	12	7	17.84	18.07	18.03	19.00
5	QPSK	12	13	17.76	18.02	18.01	19.00
5	QPSK	25	0	17.87	18.16	18.00	19.00
5	16QAM	1	0	17.78	18.01	17.89	19.00
5	16QAM	1	12	17.76	17.97	18.00	19.00
5	16QAM	1	24	17.96	18.09	18.10	19.00
5	16QAM	12	0	17.80	18.08	18.03	19.00
5	16QAM	12	7	17.79	17.93	18.10	19.00
5	16QAM	12	13	17.83	17.93	18.10	19.00
5	16QAM	25	0	17.82	18.07	17.96	19.00
5	64QAM	1	0	17.79	17.96	17.95	19.00
5	64QAM	1	12	17.99	18.16	18.05	19.00
5	64QAM	1	24	17.91	18.04	18.10	19.00
5	64QAM	12	0	17.83	17.91	17.95	19.00
5	64QAM	12	7	17.82	18.20	18.09	19.00
5	64QAM	12	13	17.93	18.12	18.03	19.00
5	64QAM	25	0	17.86	18.09	18.10	19.00
5	256QAM	1	0	17.88	18.03	17.99	19.00
5	256QAM	1	12	17.91	18.00	17.98	19.00
5	256QAM	1	24	17.78	18.08	17.94	19.00
5	256QAM	12	0	17.96	18.04	18.01	19.00
5	256QAM	12	7	17.95	18.07	17.95	19.00
5	256QAM	12	13	17.88	18.07	18.08	19.00
5	256QAM	25	0	17.86	18.08	18.02	19.00

**【LTE Band 38_Ant 0_Hotspot 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	17.99	18.22	18.10	19.00
20	QPSK	1	49	17.95	18.20	18.19	19.00
20	QPSK	1	99	17.83	18.05	18.12	19.00
20	QPSK	50	0	17.89	18.20	18.19	19.00
20	QPSK	50	24	17.87	18.13	18.11	19.00
20	QPSK	50	50	17.89	18.12	18.13	19.00
20	QPSK	100	0	17.93	18.21	18.09	19.00
20	16QAM	1	0	17.84	18.10	18.03	19.00
20	16QAM	1	49	17.89	18.04	18.13	19.00
20	16QAM	1	99	18.02	18.14	18.20	19.00
20	16QAM	50	0	17.91	18.19	18.15	19.00
20	16QAM	50	24	17.84	18.06	18.21	19.00
20	16QAM	50	50	17.90	18.05	18.20	19.00
20	16QAM	100	0	17.84	18.18	18.03	19.00
20	64QAM	1	0	17.84	18.10	18.09	19.00
20	64QAM	1	49	18.01	18.18	18.18	19.00
20	64QAM	1	99	17.96	18.09	18.15	19.00
20	64QAM	50	0	17.96	18.04	18.08	19.00
20	64QAM	50	24	17.92	18.22	18.19	19.00
20	64QAM	50	50	18.00	18.22	18.11	19.00
20	64QAM	100	0	17.92	18.23	18.17	19.00
20	256QAM	1	0	18.01	18.11	18.07	19.00
20	256QAM	1	49	17.93	18.11	18.11	19.00
20	256QAM	1	99	17.88	18.22	18.06	19.00
20	256QAM	50	0	17.98	18.15	18.11	19.00
20	256QAM	50	24	17.97	18.12	18.09	19.00
20	256QAM	50	50	17.97	18.16	18.18	19.00
20	256QAM	100	0	17.97	18.10	18.13	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	17.84	18.08	18.03	19.00
15	QPSK	1	37	17.84	18.12	18.09	19.00
15	QPSK	1	74	17.78	17.96	18.08	19.00
15	QPSK	36	0	17.80	18.11	18.08	19.00
15	QPSK	36	20	17.80	18.03	18.06	19.00
15	QPSK	36	39	17.79	18.10	18.03	19.00
15	QPSK	75	0	17.86	18.17	18.05	19.00
15	16QAM	1	0	17.76	18.06	17.93	19.00
15	16QAM	1	37	17.78	17.90	18.07	19.00
15	16QAM	1	74	17.96	18.10	18.10	19.00
15	16QAM	36	0	17.88	18.17	18.04	19.00
15	16QAM	36	20	17.74	17.92	18.10	19.00
15	16QAM	36	39	17.81	17.93	18.10	19.00
15	16QAM	75	0	17.80	18.06	17.94	19.00
15	64QAM	1	0	17.70	17.97	17.95	19.00
15	64QAM	1	37	17.94	18.05	18.06	19.00
15	64QAM	1	74	17.82	17.96	18.10	19.00
15	64QAM	36	0	17.91	18.01	18.05	19.00
15	64QAM	36	20	17.77	18.14	18.10	19.00
15	64QAM	36	39	17.90	18.12	18.06	19.00
15	64QAM	75	0	17.85	18.11	18.04	19.00
15	256QAM	1	0	17.97	18.09	18.05	19.00
15	256QAM	1	37	17.83	18.03	18.00	19.00
15	256QAM	1	74	17.83	18.08	17.99	19.00
15	256QAM	36	0	17.95	18.09	18.05	19.00
15	256QAM	36	20	17.91	17.99	17.96	19.00
15	256QAM	36	39	17.91	18.09	18.08	19.00
15	256QAM	75	0	17.86	18.06	18.02	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	17.88	18.17	18.03	19.00
10	QPSK	1	25	17.87	18.10	18.10	19.00
10	QPSK	1	49	17.72	18.00	18.02	19.00
10	QPSK	25	0	17.80	18.06	18.09	19.00
10	QPSK	25	12	17.83	17.99	18.05	19.00
10	QPSK	25	25	17.86	18.01	18.02	19.00
10	QPSK	50	0	17.87	18.13	18.03	19.00
10	16QAM	1	0	17.79	17.95	17.95	19.00
10	16QAM	1	25	17.75	17.95	18.10	19.00



10	16QAM	1	49	17.89	18.09	18.10	19.00
10	16QAM	25	0	17.83	18.12	18.07	19.00
10	16QAM	25	12	17.77	18.03	18.09	19.00
10	16QAM	25	25	17.87	17.99	18.06	19.00
10	16QAM	50	0	17.71	18.14	17.96	19.00
10	64QAM	1	0	17.72	17.96	17.95	19.00
10	64QAM	1	25	17.99	18.13	18.04	19.00
10	64QAM	1	49	17.82	18.01	18.02	19.00
10	64QAM	25	0	17.82	18.00	17.94	19.00
10	64QAM	25	12	17.82	18.10	18.10	19.00
10	64QAM	25	25	17.97	18.08	18.05	19.00
10	64QAM	50	0	17.85	18.18	18.10	19.00
10	256QAM	1	0	17.87	18.09	17.95	19.00
10	256QAM	1	25	17.89	17.97	18.04	19.00
10	256QAM	1	49	17.87	18.18	18.04	19.00
10	256QAM	25	0	17.96	18.11	18.08	19.00
10	256QAM	25	12	17.83	18.05	17.99	19.00
10	256QAM	25	25	17.85	18.12	18.06	19.00
10	256QAM	50	0	17.95	17.99	17.98	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	17.86	18.17	17.97	19.00
5	QPSK	1	12	17.85	18.16	18.10	19.00
5	QPSK	1	24	17.69	17.92	18.01	19.00
5	QPSK	12	0	17.75	18.07	18.04	19.00
5	QPSK	12	7	17.84	18.07	18.03	19.00
5	QPSK	12	13	17.76	18.02	18.01	19.00
5	QPSK	25	0	17.87	18.16	18.00	19.00
5	16QAM	1	0	17.78	18.01	17.89	19.00
5	16QAM	1	12	17.76	17.97	18.00	19.00
5	16QAM	1	24	17.96	18.09	18.10	19.00
5	16QAM	12	0	17.80	18.08	18.03	19.00
5	16QAM	12	7	17.79	17.93	18.10	19.00
5	16QAM	12	13	17.83	17.93	18.10	19.00
5	16QAM	25	0	17.82	18.07	17.96	19.00
5	64QAM	1	0	17.79	17.96	17.95	19.00
5	64QAM	1	12	17.99	18.16	18.05	19.00
5	64QAM	1	24	17.91	18.04	18.10	19.00
5	64QAM	12	0	17.83	17.91	17.95	19.00
5	64QAM	12	7	17.82	18.20	18.09	19.00
5	64QAM	12	13	17.93	18.12	18.03	19.00
5	64QAM	25	0	17.86	18.09	18.10	19.00
5	256QAM	1	0	17.88	18.03	17.99	19.00
5	256QAM	1	12	17.91	18.00	17.98	19.00
5	256QAM	1	24	17.78	18.08	17.94	19.00
5	256QAM	12	0	17.96	18.04	18.01	19.00
5	256QAM	12	7	17.95	18.07	17.95	19.00
5	256QAM	12	13	17.88	18.07	18.08	19.00
5	256QAM	25	0	17.86	18.08	18.02	19.00

【LTE Band 38_Ant 1_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	23.54	23.56	23.42	24.00
20	QPSK	1	49	23.50	23.54	23.28	24.00
20	QPSK	1	99	23.26	23.41	23.19	24.00
20	QPSK	50	0	22.55	22.58	22.37	23.00
20	QPSK	50	24	22.44	22.57	22.34	23.00
20	QPSK	50	50	22.39	22.55	22.39	23.00
20	QPSK	100	0	22.45	22.52	22.28	23.00
20	16QAM	1	0	22.41	22.56	22.35	23.00
20	16QAM	1	49	22.44	22.60	22.44	23.00
20	16QAM	1	99	22.51	22.56	22.41	23.00
20	16QAM	50	0	21.49	21.56	21.34	22.00
20	16QAM	50	24	21.41	21.56	21.38	22.00
20	16QAM	50	50	21.42	21.55	21.40	22.00
20	16QAM	100	0	21.43	21.52	21.32	22.00
20	64QAM	1	0	21.53	21.68	21.49	22.00
20	64QAM	1	49	21.43	21.56	21.28	22.00
20	64QAM	1	99	21.44	21.48	21.33	22.00



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20	64QAM	50	0	20.46	20.56	20.40	21.00
20	64QAM	50	24	20.41	20.56	20.36	21.00
20	64QAM	50	50	20.45	20.58	20.31	21.00
20	64QAM	100	0	20.37	20.49	20.30	21.00
20	256QAM	1	0	18.41	18.54	18.37	19.00
20	256QAM	1	49	18.48	18.52	18.33	19.00
20	256QAM	1	99	18.25	18.38	18.15	19.00
20	256QAM	50	0	18.48	18.57	18.37	19.00
20	256QAM	50	24	18.37	18.51	18.36	19.00
20	256QAM	50	50	18.46	18.58	18.46	19.00
20	256QAM	100	0	18.42	18.53	18.31	19.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	23.42	23.53	23.30	24.00
15	QPSK	1	37	23.35	23.52	23.24	24.00
15	QPSK	1	74	23.19	23.28	23.11	24.00
15	QPSK	36	0	22.52	22.44	22.29	23.00
15	QPSK	36	20	22.31	22.45	22.31	23.00
15	QPSK	36	39	22.26	22.54	22.38	23.00
15	QPSK	75	0	22.31	22.41	22.25	23.00
15	16QAM	1	0	22.35	22.46	22.30	23.00
15	16QAM	1	37	22.40	22.50	22.34	23.00
15	16QAM	1	74	22.50	22.45	22.30	23.00
15	16QAM	36	0	21.43	21.41	21.20	22.00
15	16QAM	36	20	21.39	21.53	21.28	22.00
15	16QAM	36	39	21.30	21.40	21.30	22.00
15	16QAM	75	0	21.30	21.43	21.21	22.00
15	64QAM	1	0	21.44	21.59	21.42	22.00
15	64QAM	1	37	21.40	21.52	21.19	22.00
15	64QAM	1	74	21.37	21.33	21.19	22.00
15	64QAM	36	0	20.37	20.45	20.27	21.00
15	64QAM	36	20	20.32	20.49	20.26	21.00
15	64QAM	36	39	20.36	20.47	20.21	21.00
15	64QAM	75	0	20.29	20.41	20.19	21.00
15	256QAM	1	0	18.35	18.44	18.29	19.00
15	256QAM	1	37	18.36	18.47	18.23	19.00
15	256QAM	1	74	18.12	18.33	18.06	19.00
15	256QAM	36	0	18.43	18.46	18.33	19.00
15	256QAM	36	20	18.30	18.46	18.21	19.00
15	256QAM	36	39	18.36	18.51	18.36	19.00
15	256QAM	75	0	18.38	18.46	18.21	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	23.43	23.44	23.29	24.00
10	QPSK	1	25	23.39	23.52	23.22	24.00
10	QPSK	1	49	23.13	23.30	23.16	24.00
10	QPSK	25	0	22.42	22.52	22.29	23.00
10	QPSK	25	12	22.31	22.55	22.20	23.00
10	QPSK	25	25	22.36	22.52	22.32	23.00
10	QPSK	50	0	22.38	22.49	22.14	23.00
10	16QAM	1	0	22.38	22.54	22.32	23.00
10	16QAM	1	25	22.41	22.57	22.33	23.00
10	16QAM	1	49	22.44	22.44	22.27	23.00
10	16QAM	25	0	21.43	21.43	21.30	22.00
10	16QAM	25	12	21.33	21.41	21.28	22.00
10	16QAM	25	25	21.27	21.53	21.31	22.00
10	16QAM	50	0	21.41	21.50	21.20	22.00
10	64QAM	1	0	21.48	21.54	21.41	22.00
10	64QAM	1	25	21.32	21.43	21.15	22.00
10	64QAM	1	49	21.33	21.42	21.26	22.00
10	64QAM	25	0	20.37	20.42	20.34	21.00
10	64QAM	25	12	20.28	20.44	20.35	21.00
10	64QAM	25	25	20.32	20.52	20.29	21.00
10	64QAM	50	0	20.27	20.41	20.27	21.00
10	256QAM	1	0	18.38	18.51	18.35	19.00
10	256QAM	1	25	18.46	18.38	18.24	19.00
10	256QAM	1	49	18.19	18.37	18.06	19.00
10	256QAM	25	0	18.45	18.49	18.29	19.00
10	256QAM	25	12	18.33	18.46	18.33	19.00
10	256QAM	25	25	18.39	18.48	18.44	19.00
10	256QAM	50	0	18.36	18.44	18.27	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	23.44	23.50	23.39	24.00
5	QPSK	1	12	23.42	23.41	23.20	24.00
5	QPSK	1	24	23.11	23.40	23.18	24.00
5	QPSK	12	0	22.47	22.52	22.34	23.00
5	QPSK	12	7	22.32	22.53	22.22	23.00



5	QPSK	12	13	22.37	22.42	22.25	23.00
5	QPSK	25	0	22.38	22.39	22.24	23.00
5	16QAM	1	0	22.29	22.44	22.28	23.00
5	16QAM	1	12	22.37	22.52	22.31	23.00
5	16QAM	1	24	22.42	22.48	22.36	23.00
5	16QAM	12	0	21.36	21.42	21.29	22.00
5	16QAM	12	7	21.36	21.51	21.30	22.00
5	16QAM	12	13	21.30	21.45	21.36	22.00
5	16QAM	25	0	21.38	21.40	21.26	22.00
5	64QAM	1	0	21.38	21.55	21.40	22.00
5	64QAM	1	12	21.33	21.54	21.24	22.00
5	64QAM	1	24	21.30	21.38	21.28	22.00
5	64QAM	12	0	20.41	20.53	20.27	21.00
5	64QAM	12	7	20.37	20.54	20.29	21.00
5	64QAM	12	13	20.40	20.45	20.25	21.00
5	64QAM	25	0	20.25	20.44	20.16	21.00
5	256QAM	1	0	18.27	18.45	18.34	19.00
5	256QAM	1	12	18.43	18.47	18.21	19.00
5	256QAM	1	24	18.10	18.33	18.02	19.00
5	256QAM	12	0	18.33	18.43	18.34	19.00
5	256QAM	12	7	18.23	18.50	18.22	19.00
5	256QAM	12	13	18.45	18.53	18.44	19.00
5	256QAM	25	0	18.38	18.51	18.23	19.00

【LTE Band 38_Ant 1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.54	23.56	23.42	24.00
20	QPSK	1	49	23.50	23.54	23.28	24.00
20	QPSK	1	99	23.26	23.41	23.19	24.00
20	QPSK	50	0	22.55	22.58	22.37	23.00
20	QPSK	50	24	22.44	22.57	22.34	23.00
20	QPSK	50	50	22.39	22.55	22.39	23.00
20	QPSK	100	0	22.45	22.52	22.28	23.00
20	16QAM	1	0	22.41	22.56	22.35	23.00
20	16QAM	1	49	22.44	22.60	22.44	23.00
20	16QAM	1	99	22.51	22.56	22.41	23.00
20	16QAM	50	0	21.49	21.56	21.34	22.00
20	16QAM	50	24	21.41	21.56	21.38	22.00
20	16QAM	50	50	21.42	21.55	21.40	22.00
20	16QAM	100	0	21.43	21.52	21.32	22.00
20	64QAM	1	0	21.53	21.68	21.49	22.00
20	64QAM	1	49	21.43	21.56	21.28	22.00
20	64QAM	1	99	21.44	21.48	21.33	22.00
20	64QAM	50	0	20.46	20.56	20.40	21.00
20	64QAM	50	24	20.41	20.56	20.36	21.00
20	64QAM	50	50	20.45	20.58	20.31	21.00
20	64QAM	100	0	20.37	20.49	20.30	21.00
20	256QAM	1	0	18.41	18.54	18.37	19.00
20	256QAM	1	49	18.48	18.52	18.33	19.00
20	256QAM	1	99	18.25	18.38	18.15	19.00
20	256QAM	50	0	18.48	18.57	18.37	19.00
20	256QAM	50	24	18.37	18.51	18.36	19.00
20	256QAM	50	50	18.46	18.58	18.46	19.00
20	256QAM	100	0	18.42	18.53	18.31	19.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.42	23.53	23.30	24.00
15	QPSK	1	37	23.35	23.52	23.24	24.00
15	QPSK	1	74	23.19	23.28	23.11	24.00
15	QPSK	36	0	22.52	22.44	22.29	23.00
15	QPSK	36	20	22.31	22.45	22.31	23.00
15	QPSK	36	39	22.26	22.54	22.38	23.00
15	QPSK	75	0	22.31	22.41	22.25	23.00
15	16QAM	1	0	22.35	22.46	22.30	23.00
15	16QAM	1	37	22.40	22.50	22.34	23.00
15	16QAM	1	74	22.50	22.45	22.30	23.00
15	16QAM	36	0	21.43	21.41	21.20	22.00
15	16QAM	36	20	21.39	21.53	21.28	22.00
15	16QAM	36	39	21.30	21.40	21.30	22.00



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15	16QAM	75	0	21.30	21.43	21.21	22.00
15	64QAM	1	0	21.44	21.59	21.42	22.00
15	64QAM	1	37	21.40	21.52	21.19	22.00
15	64QAM	1	74	21.37	21.33	21.19	22.00
15	64QAM	36	0	20.37	20.45	20.27	21.00
15	64QAM	36	20	20.32	20.49	20.26	21.00
15	64QAM	36	39	20.36	20.47	20.21	21.00
15	64QAM	75	0	20.29	20.41	20.19	21.00
15	256QAM	1	0	18.35	18.44	18.29	19.00
15	256QAM	1	37	18.36	18.47	18.23	19.00
15	256QAM	1	74	18.12	18.33	18.06	19.00
15	256QAM	36	0	18.43	18.46	18.33	19.00
15	256QAM	36	20	18.30	18.46	18.21	19.00
15	256QAM	36	39	18.36	18.51	18.36	19.00
15	256QAM	75	0	18.38	18.46	18.21	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	23.43	23.44	23.29	24.00
10	QPSK	1	25	23.39	23.52	23.22	24.00
10	QPSK	1	49	23.13	23.30	23.16	24.00
10	QPSK	25	0	22.42	22.52	22.29	23.00
10	QPSK	25	12	22.31	22.55	22.20	23.00
10	QPSK	25	25	22.36	22.52	22.32	23.00
10	QPSK	50	0	22.38	22.49	22.14	23.00
10	16QAM	1	0	22.38	22.54	22.32	23.00
10	16QAM	1	25	22.41	22.57	22.33	23.00
10	16QAM	1	49	22.44	22.44	22.27	23.00
10	16QAM	25	0	21.43	21.43	21.30	22.00
10	16QAM	25	12	21.33	21.41	21.28	22.00
10	16QAM	25	25	21.27	21.53	21.31	22.00
10	16QAM	50	0	21.41	21.50	21.20	22.00
10	64QAM	1	0	21.48	21.54	21.41	22.00
10	64QAM	1	25	21.32	21.43	21.15	22.00
10	64QAM	1	49	21.33	21.42	21.26	22.00
10	64QAM	25	0	20.37	20.42	20.34	21.00
10	64QAM	25	12	20.28	20.44	20.35	21.00
10	64QAM	25	25	20.32	20.52	20.29	21.00
10	64QAM	50	0	20.27	20.41	20.27	21.00
10	256QAM	1	0	18.38	18.51	18.35	19.00
10	256QAM	1	25	18.46	18.38	18.24	19.00
10	256QAM	1	49	18.19	18.37	18.06	19.00
10	256QAM	25	0	18.45	18.49	18.29	19.00
10	256QAM	25	12	18.33	18.46	18.33	19.00
10	256QAM	25	25	18.39	18.48	18.44	19.00
10	256QAM	50	0	18.36	18.44	18.27	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	23.44	23.50	23.39	24.00
5	QPSK	1	12	23.42	23.41	23.20	24.00
5	QPSK	1	24	23.11	23.40	23.18	24.00
5	QPSK	12	0	22.47	22.52	22.34	23.00
5	QPSK	12	7	22.32	22.53	22.22	23.00
5	QPSK	12	13	22.37	22.42	22.25	23.00
5	QPSK	25	0	22.38	22.39	22.24	23.00
5	16QAM	1	0	22.29	22.44	22.28	23.00
5	16QAM	1	12	22.37	22.52	22.31	23.00
5	16QAM	1	24	22.42	22.48	22.36	23.00
5	16QAM	12	0	21.36	21.42	21.29	22.00
5	16QAM	12	7	21.36	21.51	21.30	22.00
5	16QAM	12	13	21.30	21.45	21.36	22.00
5	16QAM	25	0	21.38	21.40	21.26	22.00
5	64QAM	1	0	21.38	21.55	21.40	22.00
5	64QAM	1	12	21.33	21.54	21.24	22.00
5	64QAM	1	24	21.30	21.38	21.28	22.00
5	64QAM	12	0	20.41	20.53	20.27	21.00
5	64QAM	12	7	20.37	20.54	20.29	21.00
5	64QAM	12	13	20.40	20.45	20.25	21.00
5	64QAM	25	0	20.25	20.44	20.16	21.00
5	256QAM	1	0	18.27	18.45	18.34	19.00
5	256QAM	1	12	18.43	18.47	18.21	19.00
5	256QAM	1	24	18.10	18.33	18.02	19.00
5	256QAM	12	0	18.33	18.43	18.34	19.00
5	256QAM	12	7	18.23	18.50	18.22	19.00
5	256QAM	12	13	18.45	18.53	18.44	19.00
5	256QAM	25	0	18.38	18.51	18.23	19.00



【LTE Band 38_Ant 1_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	18.52	18.57	18.39	19.00
20	QPSK	1	49	18.63	18.52	18.48	19.00
20	QPSK	1	99	18.56	18.57	18.53	19.00
20	QPSK	50	0	18.49	18.56	18.41	19.00
20	QPSK	50	24	18.50	18.54	18.31	19.00
20	QPSK	50	50	18.43	18.55	18.53	19.00
20	QPSK	100	0	18.61	18.65	18.40	19.00
20	16QAM	1	0	18.60	18.54	18.51	19.00
20	16QAM	1	49	18.48	18.64	18.38	19.00
20	16QAM	1	99	18.47	18.56	18.33	19.00
20	16QAM	50	0	18.54	18.62	18.44	19.00
20	16QAM	50	24	18.61	18.59	18.35	19.00
20	16QAM	50	50	18.51	18.45	18.53	19.00
20	16QAM	100	0	18.53	18.52	18.41	19.00
20	64QAM	1	0	18.48	18.65	18.47	19.00
20	64QAM	1	49	18.44	18.65	18.36	19.00
20	64QAM	1	99	18.44	18.64	18.43	19.00
20	64QAM	50	0	18.46	18.52	18.23	19.00
20	64QAM	50	24	18.23	18.42	18.19	19.00
20	64QAM	50	50	18.50	18.22	18.35	19.00
20	64QAM	100	0	18.42	18.55	18.38	19.00
20	256QAM	1	0	18.56	18.40	18.19	19.00
20	256QAM	1	49	18.54	18.35	18.10	19.00
20	256QAM	1	99	18.55	18.40	18.18	19.00
20	256QAM	50	0	18.41	18.46	18.23	19.00
20	256QAM	50	24	18.24	18.20	18.03	19.00
20	256QAM	50	50	18.43	18.23	18.38	19.00
20	256QAM	100	0	18.45	18.52	18.33	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.38	18.51	18.29	19.00
15	QPSK	1	37	18.51	18.49	18.38	19.00
15	QPSK	1	74	18.42	18.47	18.38	19.00
15	QPSK	36	0	18.46	18.47	18.32	19.00
15	QPSK	36	20	18.45	18.44	18.23	19.00
15	QPSK	36	39	18.32	18.45	18.39	19.00
15	QPSK	75	0	18.48	18.55	18.38	19.00
15	16QAM	1	0	18.51	18.51	18.37	19.00
15	16QAM	1	37	18.35	18.51	18.33	19.00
15	16QAM	1	74	18.41	18.54	18.24	19.00
15	16QAM	36	0	18.50	18.51	18.33	19.00
15	16QAM	36	20	18.50	18.49	18.32	19.00
15	16QAM	36	39	18.39	18.39	18.39	19.00
15	16QAM	75	0	18.44	18.43	18.27	19.00
15	64QAM	1	0	18.43	18.57	18.38	19.00
15	64QAM	1	37	18.31	18.56	18.28	19.00
15	64QAM	1	74	18.40	18.50	18.30	19.00
15	64QAM	36	0	18.35	18.50	18.15	19.00
15	64QAM	36	20	18.10	18.32	18.15	19.00
15	64QAM	36	39	18.39	18.16	18.31	19.00
15	64QAM	75	0	18.28	18.42	18.35	19.00
15	256QAM	1	0	18.45	18.34	18.15	19.00
15	256QAM	1	37	18.48	18.24	18.03	19.00
15	256QAM	1	74	18.52	18.28	18.13	19.00
15	256QAM	36	0	18.38	18.41	18.13	19.00
15	256QAM	36	20	18.13	18.06	17.93	19.00
15	256QAM	36	39	18.38	18.18	18.33	19.00
15	256QAM	75	0	18.44	18.48	18.21	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	18.47	18.43	18.33	19.00
10	QPSK	1	25	18.52	18.45	18.38	19.00
10	QPSK	1	49	18.48	18.49	18.38	19.00
10	QPSK	25	0	18.45	18.53	18.32	19.00
10	QPSK	25	12	18.47	18.51	18.20	19.00
10	QPSK	25	25	18.38	18.51	18.39	19.00
10	QPSK	50	0	18.51	18.51	18.27	19.00
10	16QAM	1	0	18.52	18.50	18.38	19.00
10	16QAM	1	25	18.46	18.53	18.24	19.00



10	16QAM	1	49	18.37	18.49	18.28	19.00
10	16QAM	25	0	18.49	18.55	18.34	19.00
10	16QAM	25	12	18.47	18.56	18.30	19.00
10	16QAM	25	25	18.45	18.34	18.37	19.00
10	16QAM	50	0	18.43	18.41	18.39	19.00
10	64QAM	1	0	18.39	18.52	18.38	19.00
10	64QAM	1	25	18.33	18.55	18.30	19.00
10	64QAM	1	49	18.32	18.53	18.37	19.00
10	64QAM	25	0	18.40	18.50	18.20	19.00
10	64QAM	25	12	18.15	18.36	18.10	19.00
10	64QAM	25	25	18.47	18.21	18.30	19.00
10	64QAM	50	0	18.31	18.47	18.24	19.00
10	256QAM	1	0	18.45	18.29	18.14	19.00
10	256QAM	1	25	18.45	18.25	17.96	19.00
10	256QAM	1	49	18.46	18.30	18.06	19.00
10	256QAM	25	0	18.34	18.42	18.20	19.00
10	256QAM	25	12	18.13	18.17	17.91	19.00
10	256QAM	25	25	18.42	18.16	18.29	19.00
10	256QAM	50	0	18.34	18.38	18.30	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	18.48	18.46	18.33	19.00
5	QPSK	1	12	18.52	18.38	18.38	19.00
5	QPSK	1	24	18.46	18.48	18.39	19.00
5	QPSK	12	0	18.47	18.49	18.27	19.00
5	QPSK	12	7	18.39	18.49	18.30	19.00
5	QPSK	12	13	18.40	18.52	18.38	19.00
5	QPSK	25	0	18.47	18.57	18.29	19.00
5	16QAM	1	0	18.51	18.53	18.37	19.00
5	16QAM	1	12	18.41	18.50	18.30	19.00
5	16QAM	1	24	18.44	18.44	18.28	19.00
5	16QAM	12	0	18.51	18.56	18.30	19.00
5	16QAM	12	7	18.51	18.54	18.21	19.00
5	16QAM	12	13	18.36	18.37	18.39	19.00
5	16QAM	25	0	18.47	18.48	18.27	19.00
5	64QAM	1	0	18.36	18.57	18.39	19.00
5	64QAM	1	12	18.37	18.57	18.22	19.00
5	64QAM	1	24	18.30	18.54	18.39	19.00
5	64QAM	12	0	18.40	18.43	18.16	19.00
5	64QAM	12	7	18.15	18.36	18.15	19.00
5	64QAM	12	13	18.38	18.09	18.33	19.00
5	64QAM	25	0	18.39	18.41	18.30	19.00
5	256QAM	1	0	18.50	18.26	18.10	19.00
5	256QAM	1	12	18.45	18.23	17.96	19.00
5	256QAM	1	24	18.46	18.28	18.17	19.00
5	256QAM	12	0	18.30	18.41	18.14	19.00
5	256QAM	12	7	18.22	18.11	18.02	19.00
5	256QAM	12	13	18.36	18.11	18.32	19.00
5	256QAM	25	0	18.32	18.41	18.29	19.00

【LTE Band 38_Ant 1_Hotspot 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	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	18.52	18.57	18.39	19.00
20	QPSK	1	49	18.63	18.52	18.48	19.00
20	QPSK	1	99	18.56	18.57	18.53	19.00
20	QPSK	50	0	18.49	18.56	18.41	19.00
20	QPSK	50	24	18.50	18.54	18.31	19.00
20	QPSK	50	50	18.43	18.55	18.53	19.00
20	QPSK	100	0	18.61	18.65	18.40	19.00
20	16QAM	1	0	18.60	18.54	18.51	19.00
20	16QAM	1	49	18.48	18.64	18.38	19.00
20	16QAM	1	99	18.47	18.56	18.33	19.00
20	16QAM	50	0	18.54	18.62	18.44	19.00
20	16QAM	50	24	18.61	18.59	18.35	19.00
20	16QAM	50	50	18.51	18.45	18.53	19.00
20	16QAM	100	0	18.53	18.52	18.41	19.00
20	64QAM	1	0	18.48	18.65	18.47	19.00
20	64QAM	1	49	18.44	18.65	18.36	19.00
20	64QAM	1	99	18.44	18.64	18.43	19.00



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20	64QAM	50	0	18.46	18.52	18.23	19.00
20	64QAM	50	24	18.23	18.42	18.19	19.00
20	64QAM	50	50	18.50	18.22	18.35	19.00
20	64QAM	100	0	18.42	18.55	18.38	19.00
20	256QAM	1	0	18.56	18.40	18.19	19.00
20	256QAM	1	49	18.54	18.35	18.10	19.00
20	256QAM	1	99	18.55	18.40	18.18	19.00
20	256QAM	50	0	18.41	18.46	18.23	19.00
20	256QAM	50	24	18.24	18.20	18.03	19.00
20	256QAM	50	50	18.43	18.23	18.38	19.00
20	256QAM	100	0	18.45	18.52	18.33	19.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	18.38	18.51	18.29	19.00
15	QPSK	1	37	18.51	18.49	18.38	19.00
15	QPSK	1	74	18.42	18.47	18.38	19.00
15	QPSK	36	0	18.46	18.47	18.32	19.00
15	QPSK	36	20	18.45	18.44	18.23	19.00
15	QPSK	36	39	18.32	18.45	18.39	19.00
15	QPSK	75	0	18.48	18.55	18.38	19.00
15	16QAM	1	0	18.51	18.51	18.37	19.00
15	16QAM	1	37	18.35	18.51	18.33	19.00
15	16QAM	1	74	18.41	18.54	18.24	19.00
15	16QAM	36	0	18.50	18.51	18.33	19.00
15	16QAM	36	20	18.50	18.49	18.32	19.00
15	16QAM	36	39	18.39	18.39	18.39	19.00
15	16QAM	75	0	18.44	18.43	18.27	19.00
15	64QAM	1	0	18.43	18.57	18.38	19.00
15	64QAM	1	37	18.31	18.56	18.28	19.00
15	64QAM	1	74	18.40	18.50	18.30	19.00
15	64QAM	36	0	18.35	18.50	18.15	19.00
15	64QAM	36	20	18.10	18.32	18.15	19.00
15	64QAM	36	39	18.39	18.16	18.31	19.00
15	64QAM	75	0	18.28	18.42	18.35	19.00
15	256QAM	1	0	18.45	18.34	18.15	19.00
15	256QAM	1	37	18.48	18.24	18.03	19.00
15	256QAM	1	74	18.52	18.28	18.13	19.00
15	256QAM	36	0	18.38	18.41	18.13	19.00
15	256QAM	36	20	18.13	18.06	17.93	19.00
15	256QAM	36	39	18.38	18.18	18.33	19.00
15	256QAM	75	0	18.44	18.48	18.21	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	18.47	18.43	18.33	19.00
10	QPSK	1	25	18.52	18.45	18.38	19.00
10	QPSK	1	49	18.48	18.49	18.38	19.00
10	QPSK	25	0	18.45	18.53	18.32	19.00
10	QPSK	25	12	18.47	18.51	18.20	19.00
10	QPSK	25	25	18.38	18.51	18.39	19.00
10	QPSK	50	0	18.51	18.51	18.27	19.00
10	16QAM	1	0	18.52	18.50	18.38	19.00
10	16QAM	1	25	18.46	18.53	18.24	19.00
10	16QAM	1	49	18.37	18.49	18.28	19.00
10	16QAM	25	0	18.49	18.55	18.34	19.00
10	16QAM	25	12	18.47	18.56	18.30	19.00
10	16QAM	25	25	18.45	18.34	18.37	19.00
10	16QAM	50	0	18.43	18.41	18.39	19.00
10	64QAM	1	0	18.39	18.52	18.38	19.00
10	64QAM	1	25	18.33	18.55	18.30	19.00
10	64QAM	1	49	18.32	18.53	18.37	19.00
10	64QAM	25	0	18.40	18.50	18.20	19.00
10	64QAM	25	12	18.15	18.36	18.10	19.00
10	64QAM	25	25	18.47	18.21	18.30	19.00
10	64QAM	50	0	18.31	18.47	18.24	19.00
10	256QAM	1	0	18.45	18.29	18.14	19.00
10	256QAM	1	25	18.45	18.25	17.96	19.00
10	256QAM	1	49	18.46	18.30	18.06	19.00
10	256QAM	25	0	18.34	18.42	18.20	19.00
10	256QAM	25	12	18.13	18.17	17.91	19.00
10	256QAM	25	25	18.42	18.16	18.29	19.00
10	256QAM	50	0	18.34	18.38	18.30	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	18.48	18.46	18.33	19.00
5	QPSK	1	12	18.52	18.38	18.38	19.00
5	QPSK	1	24	18.46	18.48	18.39	19.00
5	QPSK	12	0	18.47	18.49	18.27	19.00
5	QPSK	12	7	18.39	18.49	18.30	19.00



5	QPSK	12	13	18.40	18.52	18.38	19.00
5	QPSK	25	0	18.47	18.57	18.29	19.00
5	16QAM	1	0	18.51	18.53	18.37	19.00
5	16QAM	1	12	18.41	18.50	18.30	19.00
5	16QAM	1	24	18.44	18.44	18.28	19.00
5	16QAM	12	0	18.51	18.56	18.30	19.00
5	16QAM	12	7	18.51	18.54	18.21	19.00
5	16QAM	12	13	18.36	18.37	18.39	19.00
5	16QAM	25	0	18.47	18.48	18.27	19.00
5	64QAM	1	0	18.36	18.57	18.39	19.00
5	64QAM	1	12	18.37	18.57	18.22	19.00
5	64QAM	1	24	18.30	18.54	18.39	19.00
5	64QAM	12	0	18.40	18.43	18.16	19.00
5	64QAM	12	7	18.15	18.36	18.15	19.00
5	64QAM	12	13	18.38	18.09	18.33	19.00
5	64QAM	25	0	18.39	18.41	18.30	19.00
5	256QAM	1	0	18.50	18.26	18.10	19.00
5	256QAM	1	12	18.45	18.23	17.96	19.00
5	256QAM	1	24	18.46	18.28	18.17	19.00
5	256QAM	12	0	18.30	18.41	18.14	19.00
5	256QAM	12	7	18.22	18.11	18.02	19.00
5	256QAM	12	13	18.36	18.11	18.32	19.00
5	256QAM	25	0	18.32	18.41	18.29	19.00

【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	22.82	23.01	22.88	24.00	
20	QPSK	1	49	22.72	22.94	22.74	24.00	
20	QPSK	1	99	22.49	22.83	22.59	24.00	
20	QPSK	50	0	21.75	22.03	21.82	23.00	
20	QPSK	50	24	21.71	21.96	21.73	23.00	
20	QPSK	50	50	21.76	22.01	21.80	23.00	
20	QPSK	100	0	21.69	21.97	21.75	23.00	
20	16QAM	1	0	21.70	21.91	21.77	23.00	
20	16QAM	1	49	21.81	22.02	21.88	23.00	
20	16QAM	1	99	21.62	21.81	21.58	23.00	
20	16QAM	50	0	20.77	20.96	20.79	22.00	
20	16QAM	50	24	20.74	20.97	20.79	22.00	
20	16QAM	50	50	20.82	21.00	20.75	22.00	
20	16QAM	100	0	20.67	20.92	20.66	22.00	
20	64QAM	1	0	20.74	21.01	20.86	22.00	
20	64QAM	1	49	20.77	21.06	20.80	22.00	
20	64QAM	1	99	20.72	20.96	20.72	22.00	
20	64QAM	50	0	19.74	19.97	19.78	21.00	
20	64QAM	50	24	19.71	19.96	19.76	21.00	
20	64QAM	50	50	19.72	19.99	19.83	21.00	
20	64QAM	100	0	19.69	19.94	19.75	21.00	
20	256QAM	1	0	17.63	17.92	17.71	19.00	
20	256QAM	1	49	17.82	18.05	17.84	19.00	
20	256QAM	1	99	17.81	17.98	17.83	19.00	
20	256QAM	50	0	17.69	17.95	17.73	19.00	
20	256QAM	50	24	17.64	17.93	17.78	19.00	
20	256QAM	50	50	17.79	18.01	17.85	19.00	
20	256QAM	100	0	17.74	17.94	17.77	19.00	
Channel				37825	38000	38175	Tune-up limit (dBm)	
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.68	22.87	22.75	24.00	
15	QPSK	1	37	22.70	22.79	22.65	24.00	
15	QPSK	1	74	22.43	22.77	22.51	24.00	
15	QPSK	36	0	21.73	21.97	21.77	23.00	
15	QPSK	36	20	21.60	21.89	21.70	23.00	
15	QPSK	36	39	21.69	21.88	21.69	23.00	
15	QPSK	75	0	21.56	21.87	21.64	23.00	
15	16QAM	1	0	21.57	21.76	21.64	23.00	
15	16QAM	1	37	21.71	21.88	21.84	23.00	
15	16QAM	1	74	21.60	21.75	21.51	23.00	
15	16QAM	36	0	20.67	20.91	20.74	22.00	
15	16QAM	36	20	20.71	20.94	20.67	22.00	
15	16QAM	36	39	20.73	20.95	20.61	22.00	



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15	16QAM	75	0	20.66	20.83	20.59	22.00
15	64QAM	1	0	20.72	20.92	20.84	22.00
15	64QAM	1	37	20.73	20.91	20.76	22.00
15	64QAM	1	74	20.63	20.94	20.60	22.00
15	64QAM	36	0	19.70	19.86	19.73	21.00
15	64QAM	36	20	19.65	19.93	19.71	21.00
15	64QAM	36	39	19.59	19.93	19.80	21.00
15	64QAM	75	0	19.60	19.79	19.66	21.00
15	256QAM	1	0	17.51	17.86	17.68	19.00
15	256QAM	1	37	17.81	17.91	17.73	19.00
15	256QAM	1	74	17.66	17.90	17.68	19.00
15	256QAM	36	0	17.58	17.81	17.61	19.00
15	256QAM	36	20	17.51	17.87	17.74	19.00
15	256QAM	36	39	17.66	17.90	17.74	19.00
15	256QAM	75	0	17.65	17.86	17.65	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	22.74	22.97	22.80	24.00
10	QPSK	1	25	22.71	22.86	22.63	24.00
10	QPSK	1	49	22.46	22.69	22.49	24.00
10	QPSK	25	0	21.68	21.90	21.73	23.00
10	QPSK	25	12	21.67	21.86	21.68	23.00
10	QPSK	25	25	21.68	21.90	21.79	23.00
10	QPSK	50	0	21.58	21.85	21.73	23.00
10	16QAM	1	0	21.62	21.83	21.73	23.00
10	16QAM	1	25	21.69	21.96	21.86	23.00
10	16QAM	1	49	21.56	21.76	21.47	23.00
10	16QAM	25	0	20.72	20.89	20.66	22.00
10	16QAM	25	12	20.70	20.88	20.65	22.00
10	16QAM	25	25	20.72	20.94	20.63	22.00
10	16QAM	50	0	20.65	20.84	20.58	22.00
10	64QAM	1	0	20.71	20.98	20.80	22.00
10	64QAM	1	25	20.70	20.97	20.69	22.00
10	64QAM	1	49	20.59	20.91	20.66	22.00
10	64QAM	25	0	19.62	19.85	19.67	21.00
10	64QAM	25	12	19.70	19.92	19.74	21.00
10	64QAM	25	25	19.65	19.87	19.74	21.00
10	64QAM	50	0	19.55	19.91	19.66	21.00
10	256QAM	1	0	17.57	17.88	17.62	19.00
10	256QAM	1	25	17.68	18.00	17.75	19.00
10	256QAM	1	49	17.77	17.88	17.79	19.00
10	256QAM	25	0	17.65	17.92	17.72	19.00
10	256QAM	25	12	17.58	17.80	17.70	19.00
10	256QAM	25	25	17.71	17.90	17.79	19.00
10	256QAM	50	0	17.62	17.90	17.68	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	22.81	22.93	22.74	24.00
5	QPSK	1	12	22.62	22.83	22.62	24.00
5	QPSK	1	24	22.45	22.75	22.49	24.00
5	QPSK	12	0	21.73	21.88	21.79	23.00
5	QPSK	12	7	21.58	21.83	21.65	23.00
5	QPSK	12	13	21.71	21.94	21.66	23.00
5	QPSK	25	0	21.68	21.90	21.71	23.00
5	16QAM	1	0	21.59	21.80	21.70	23.00
5	16QAM	1	12	21.71	21.95	21.79	23.00
5	16QAM	1	24	21.57	21.68	21.43	23.00
5	16QAM	12	0	20.73	20.81	20.71	22.00
5	16QAM	12	7	20.72	20.82	20.66	22.00
5	16QAM	12	13	20.72	20.90	20.63	22.00
5	16QAM	25	0	20.58	20.83	20.58	22.00
5	64QAM	1	0	20.63	20.88	20.75	22.00
5	64QAM	1	12	20.67	20.94	20.68	22.00
5	64QAM	1	24	20.60	20.93	20.63	22.00
5	64QAM	12	0	19.68	19.88	19.66	21.00
5	64QAM	12	7	19.61	19.85	19.68	21.00
5	64QAM	12	13	19.57	19.94	19.71	21.00
5	64QAM	25	0	19.55	19.81	19.74	21.00
5	256QAM	1	0	17.55	17.85	17.60	19.00
5	256QAM	1	12	17.80	17.99	17.74	19.00
5	256QAM	1	24	17.75	17.86	17.75	19.00
5	256QAM	12	0	17.64	17.80	17.70	19.00
5	256QAM	12	7	17.58	17.91	17.67	19.00
5	256QAM	12	13	17.75	17.92	17.77	19.00
5	256QAM	25	0	17.60	17.83	17.64	19.00



【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	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.82	23.01	22.88	24.00
20	QPSK	1	49	22.72	22.94	22.74	24.00
20	QPSK	1	99	22.49	22.83	22.59	24.00
20	QPSK	50	0	21.75	22.03	21.82	23.00
20	QPSK	50	24	21.71	21.96	21.73	23.00
20	QPSK	50	50	21.76	22.01	21.80	23.00
20	QPSK	100	0	21.69	21.97	21.75	23.00
20	16QAM	1	0	21.70	21.91	21.77	23.00
20	16QAM	1	49	21.81	22.02	21.88	23.00
20	16QAM	1	99	21.62	21.81	21.58	23.00
20	16QAM	50	0	20.77	20.96	20.79	22.00
20	16QAM	50	24	20.74	20.97	20.79	22.00
20	16QAM	50	50	20.82	21.00	20.75	22.00
20	16QAM	100	0	20.67	20.92	20.66	22.00
20	64QAM	1	0	20.74	21.01	20.86	22.00
20	64QAM	1	49	20.77	21.06	20.80	22.00
20	64QAM	1	99	20.72	20.96	20.72	22.00
20	64QAM	50	0	19.74	19.97	19.78	21.00
20	64QAM	50	24	19.71	19.96	19.76	21.00
20	64QAM	50	50	19.72	19.99	19.83	21.00
20	64QAM	100	0	19.69	19.94	19.75	21.00
20	256QAM	1	0	17.63	17.92	17.71	19.00
20	256QAM	1	49	17.82	18.05	17.84	19.00
20	256QAM	1	99	17.81	17.98	17.83	19.00
20	256QAM	50	0	17.69	17.95	17.73	19.00
20	256QAM	50	24	17.64	17.93	17.78	19.00
20	256QAM	50	50	17.79	18.01	17.85	19.00
20	256QAM	100	0	17.74	17.94	17.77	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.68	22.87	22.75	24.00
15	QPSK	1	37	22.70	22.79	22.65	24.00
15	QPSK	1	74	22.43	22.77	22.51	24.00
15	QPSK	36	0	21.73	21.97	21.77	23.00
15	QPSK	36	20	21.60	21.89	21.70	23.00
15	QPSK	36	39	21.69	21.88	21.69	23.00
15	QPSK	75	0	21.56	21.87	21.64	23.00
15	16QAM	1	0	21.57	21.76	21.64	23.00
15	16QAM	1	37	21.71	21.88	21.84	23.00
15	16QAM	1	74	21.60	21.75	21.51	23.00
15	16QAM	36	0	20.67	20.91	20.74	22.00
15	16QAM	36	20	20.71	20.94	20.67	22.00
15	16QAM	36	39	20.73	20.95	20.61	22.00
15	16QAM	75	0	20.66	20.83	20.59	22.00
15	64QAM	1	0	20.72	20.92	20.84	22.00
15	64QAM	1	37	20.73	20.91	20.76	22.00
15	64QAM	1	74	20.63	20.94	20.60	22.00
15	64QAM	36	0	19.70	19.86	19.73	21.00
15	64QAM	36	20	19.65	19.93	19.71	21.00
15	64QAM	36	39	19.59	19.93	19.80	21.00
15	64QAM	75	0	19.60	19.79	19.66	21.00
15	256QAM	1	0	17.51	17.86	17.68	19.00
15	256QAM	1	37	17.81	17.91	17.73	19.00
15	256QAM	1	74	17.66	17.90	17.68	19.00
15	256QAM	36	0	17.58	17.81	17.61	19.00
15	256QAM	36	20	17.51	17.87	17.74	19.00
15	256QAM	36	39	17.66	17.90	17.74	19.00
15	256QAM	75	0	17.65	17.86	17.65	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.74	22.97	22.80	24.00
10	QPSK	1	25	22.71	22.86	22.63	24.00
10	QPSK	1	49	22.46	22.69	22.49	24.00
10	QPSK	25	0	21.68	21.90	21.73	23.00
10	QPSK	25	12	21.67	21.86	21.68	23.00
10	QPSK	25	25	21.68	21.90	21.79	23.00
10	QPSK	50	0	21.58	21.85	21.73	23.00
10	16QAM	1	0	21.62	21.83	21.73	23.00
10	16QAM	1	25	21.69	21.96	21.86	23.00



10	16QAM	1	49	21.56	21.76	21.47	23.00
10	16QAM	25	0	20.72	20.89	20.66	22.00
10	16QAM	25	12	20.70	20.88	20.65	22.00
10	16QAM	25	25	20.72	20.94	20.63	22.00
10	16QAM	50	0	20.65	20.84	20.58	22.00
10	64QAM	1	0	20.71	20.98	20.80	22.00
10	64QAM	1	25	20.70	20.97	20.69	22.00
10	64QAM	1	49	20.59	20.91	20.66	22.00
10	64QAM	25	0	19.62	19.85	19.67	21.00
10	64QAM	25	12	19.70	19.92	19.74	21.00
10	64QAM	25	25	19.65	19.87	19.74	21.00
10	64QAM	50	0	19.55	19.91	19.66	21.00
10	256QAM	1	0	17.57	17.88	17.62	19.00
10	256QAM	1	25	17.68	18.00	17.75	19.00
10	256QAM	1	49	17.77	17.88	17.79	19.00
10	256QAM	25	0	17.65	17.92	17.72	19.00
10	256QAM	25	12	17.58	17.80	17.70	19.00
10	256QAM	25	25	17.71	17.90	17.79	19.00
10	256QAM	50	0	17.62	17.90	17.68	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.81	22.93	22.74	24.00
5	QPSK	1	12	22.62	22.83	22.62	24.00
5	QPSK	1	24	22.45	22.75	22.49	24.00
5	QPSK	12	0	21.73	21.88	21.79	23.00
5	QPSK	12	7	21.58	21.83	21.65	23.00
5	QPSK	12	13	21.71	21.94	21.66	23.00
5	QPSK	25	0	21.68	21.90	21.71	23.00
5	16QAM	1	0	21.59	21.80	21.70	23.00
5	16QAM	1	12	21.71	21.95	21.79	23.00
5	16QAM	1	24	21.57	21.68	21.43	23.00
5	16QAM	12	0	20.73	20.81	20.71	22.00
5	16QAM	12	7	20.72	20.82	20.66	22.00
5	16QAM	12	13	20.72	20.90	20.63	22.00
5	16QAM	25	0	20.58	20.83	20.58	22.00
5	64QAM	1	0	20.63	20.88	20.75	22.00
5	64QAM	1	12	20.67	20.94	20.68	22.00
5	64QAM	1	24	20.60	20.93	20.63	22.00
5	64QAM	12	0	19.68	19.88	19.66	21.00
5	64QAM	12	7	19.61	19.85	19.68	21.00
5	64QAM	12	13	19.57	19.94	19.71	21.00
5	64QAM	25	0	19.55	19.81	19.74	21.00
5	256QAM	1	0	17.55	17.85	17.60	19.00
5	256QAM	1	12	17.80	17.99	17.74	19.00
5	256QAM	1	24	17.75	17.86	17.75	19.00
5	256QAM	12	0	17.64	17.80	17.70	19.00
5	256QAM	12	7	17.58	17.91	17.67	19.00
5	256QAM	12	13	17.75	17.92	17.77	19.00
5	256QAM	25	0	17.60	17.83	17.64	19.00

【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	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.93	20.03	19.76	21.00
20	QPSK	1	49	19.72	19.98	19.96	21.00
20	QPSK	1	99	19.89	20.03	19.82	21.00
20	QPSK	50	0	19.85	20.01	19.80	21.00
20	QPSK	50	24	19.77	19.99	19.92	21.00
20	QPSK	50	50	19.76	20.00	19.90	21.00
20	QPSK	100	0	19.84	19.96	19.83	21.00
20	16QAM	1	0	19.85	20.08	19.89	21.00
20	16QAM	1	49	19.79	19.98	19.87	21.00
20	16QAM	1	99	19.80	19.89	19.97	21.00
20	16QAM	50	0	19.76	19.94	19.95	21.00
20	16QAM	50	24	19.78	20.06	19.80	21.00
20	16QAM	50	50	19.90	19.98	19.82	21.00
20	16QAM	100	0	19.88	20.02	19.83	21.00
20	64QAM	1	0	19.77	19.95	19.99	21.00
20	64QAM	1	49	19.76	20.08	19.99	21.00
20	64QAM	1	99	19.87	19.98	19.78	21.00



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20	64QAM	50	0	19.77	19.92	19.83	21.00
20	64QAM	50	24	19.71	20.06	19.81	21.00
20	64QAM	50	50	19.70	20.07	19.81	21.00
20	64QAM	100	0	19.93	19.90	19.76	21.00
20	256QAM	1	0	17.63	17.92	17.71	19.00
20	256QAM	1	49	17.82	18.05	17.84	19.00
20	256QAM	1	99	17.81	17.98	17.83	19.00
20	256QAM	50	0	17.69	17.95	17.73	19.00
20	256QAM	50	24	17.64	17.93	17.78	19.00
20	256QAM	50	50	17.79	18.01	17.85	19.00
20	256QAM	100	0	17.74	17.94	17.77	19.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	19.87	19.95	19.68	21.00
15	QPSK	1	37	19.58	19.94	19.75	21.00
15	QPSK	1	74	19.83	19.94	19.75	21.00
15	QPSK	36	0	19.71	19.91	19.69	21.00
15	QPSK	36	20	19.71	19.91	19.76	21.00
15	QPSK	36	39	19.69	19.87	19.76	21.00
15	QPSK	75	0	19.73	19.83	19.76	21.00
15	16QAM	1	0	19.80	19.95	19.75	21.00
15	16QAM	1	37	19.71	19.88	19.76	21.00
15	16QAM	1	74	19.76	19.84	19.75	21.00
15	16QAM	36	0	19.71	19.82	19.76	21.00
15	16QAM	36	20	19.76	19.91	19.69	21.00
15	16QAM	36	39	19.87	19.88	19.75	21.00
15	16QAM	75	0	19.75	19.98	19.76	21.00
15	64QAM	1	0	19.68	19.89	19.76	21.00
15	64QAM	1	37	19.67	20.01	19.76	21.00
15	64QAM	1	74	19.75	19.97	19.69	21.00
15	64QAM	36	0	19.71	19.84	19.76	21.00
15	64QAM	36	20	19.57	19.99	19.75	21.00
15	64QAM	36	39	19.63	20.03	19.66	21.00
15	64QAM	75	0	19.91	19.82	19.63	21.00
15	256QAM	1	0	17.49	17.89	17.61	19.00
15	256QAM	1	37	17.74	17.95	17.72	19.00
15	256QAM	1	74	17.75	17.94	17.78	19.00
15	256QAM	36	0	17.65	17.91	17.61	19.00
15	256QAM	36	20	17.54	17.80	17.71	19.00
15	256QAM	36	39	17.72	17.87	17.79	19.00
15	256QAM	75	0	17.68	17.81	17.69	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	19.88	19.95	19.68	21.00
10	QPSK	1	25	19.66	19.96	19.75	21.00
10	QPSK	1	49	19.75	19.90	19.76	21.00
10	QPSK	25	0	19.70	19.96	19.70	21.00
10	QPSK	25	12	19.65	19.90	19.76	21.00
10	QPSK	25	25	19.67	19.99	19.75	21.00
10	QPSK	50	0	19.69	19.81	19.68	21.00
10	16QAM	1	0	19.72	20.03	19.76	21.00
10	16QAM	1	25	19.72	19.86	19.72	21.00
10	16QAM	1	49	19.70	19.81	19.76	21.00
10	16QAM	25	0	19.65	19.86	19.76	21.00
10	16QAM	25	12	19.77	20.03	19.70	21.00
10	16QAM	25	25	19.75	19.95	19.75	21.00
10	16QAM	50	0	19.79	19.89	19.76	21.00
10	64QAM	1	0	19.66	19.90	19.75	21.00
10	64QAM	1	25	19.62	20.03	19.76	21.00
10	64QAM	1	49	19.79	19.84	19.66	21.00
10	64QAM	25	0	19.64	19.77	19.75	21.00
10	64QAM	25	12	19.65	20.03	19.75	21.00
10	64QAM	25	25	19.62	19.94	19.74	21.00
10	64QAM	50	0	19.81	19.81	19.68	21.00
10	256QAM	1	0	17.48	17.83	17.58	19.00
10	256QAM	1	25	17.79	17.91	17.77	19.00
10	256QAM	1	49	17.72	17.86	17.72	19.00
10	256QAM	25	0	17.57	17.81	17.65	19.00
10	256QAM	25	12	17.53	17.78	17.73	19.00
10	256QAM	25	25	17.70	17.91	17.80	19.00
10	256QAM	50	0	17.64	17.92	17.64	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	19.84	19.96	19.69	21.00
5	QPSK	1	12	19.64	19.84	19.74	21.00
5	QPSK	1	24	19.79	19.97	19.74	21.00
5	QPSK	12	0	19.82	19.94	19.70	21.00
5	QPSK	12	7	19.67	19.91	19.75	21.00