



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	12	7	16.33	16.38	16.36	18.00
5	256QAM	12	13	16.36	16.54	16.30	18.00
5	256QAM	25	0	16.44	16.55	16.49	18.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.49	21.63	21.46	23.00
3	QPSK	1	8	21.37	21.50	21.45	23.00
3	QPSK	1	14	21.16	21.35	21.20	23.00
3	QPSK	8	0	20.52	20.59	20.49	22.00
3	QPSK	8	4	20.38	20.47	20.34	22.00
3	QPSK	8	7	20.13	20.33	20.27	22.00
3	QPSK	15	0	20.49	20.54	20.38	22.00
3	16QAM	1	0	20.34	20.44	20.28	22.00
3	16QAM	1	8	20.24	20.48	20.30	22.00
3	16QAM	1	14	20.28	20.42	20.17	22.00
3	16QAM	8	0	19.34	19.51	19.41	21.00
3	16QAM	8	4	19.37	19.43	19.28	21.00
3	16QAM	8	7	19.36	19.55	19.30	21.00
3	16QAM	15	0	19.28	19.44	19.25	21.00
3	64QAM	1	0	19.30	19.45	19.24	21.00
3	64QAM	1	8	19.34	19.42	19.27	21.00
3	64QAM	1	14	19.49	19.65	19.43	21.00
3	64QAM	8	0	18.29	18.36	18.25	20.00
3	64QAM	8	4	18.35	18.39	18.29	20.00
3	64QAM	8	7	18.36	18.45	18.32	20.00
3	64QAM	15	0	18.44	18.58	18.38	20.00
3	256QAM	1	0	16.46	16.53	16.21	18.00
3	256QAM	1	8	16.41	16.53	16.38	18.00
3	256QAM	1	14	16.34	16.52	16.34	18.00
3	256QAM	8	0	16.24	16.37	16.35	18.00
3	256QAM	8	4	16.34	16.41	16.25	18.00
3	256QAM	8	7	16.25	16.49	16.32	18.00
3	256QAM	15	0	16.44	16.57	16.50	18.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.46	21.61	21.56	23.00
1.4	QPSK	1	3	21.31	21.51	21.35	23.00
1.4	QPSK	1	5	21.13	21.31	21.23	23.00
1.4	QPSK	3	0	21.52	21.58	21.47	23.00
1.4	QPSK	3	1	21.34	21.55	21.40	23.00
1.4	QPSK	3	3	21.24	21.36	21.24	23.00
1.4	QPSK	6	0	20.42	20.51	20.46	22.00
1.4	16QAM	1	0	20.28	20.41	20.34	22.00
1.4	16QAM	1	3	20.21	20.39	20.39	22.00
1.4	16QAM	1	5	20.34	20.33	20.23	22.00
1.4	16QAM	3	0	20.42	20.61	20.47	22.00
1.4	16QAM	3	1	20.39	20.52	20.21	22.00
1.4	16QAM	3	3	20.30	20.57	20.29	22.00
1.4	16QAM	6	0	19.30	19.44	19.17	21.00
1.4	64QAM	1	0	19.23	19.46	19.30	21.00
1.4	64QAM	1	3	19.35	19.40	19.20	21.00
1.4	64QAM	1	5	19.46	19.55	19.45	21.00
1.4	64QAM	3	0	19.30	19.33	19.29	21.00
1.4	64QAM	3	1	19.32	19.37	19.28	21.00
1.4	64QAM	3	3	19.25	19.48	19.25	21.00
1.4	64QAM	6	0	18.48	18.55	18.41	20.00
1.4	256QAM	1	0	16.39	16.54	16.32	18.00
1.4	256QAM	1	3	16.44	16.58	16.27	18.00
1.4	256QAM	1	5	16.37	16.50	16.42	18.00
1.4	256QAM	3	0	16.19	16.36	16.34	18.00
1.4	256QAM	3	1	16.27	16.37	16.36	18.00
1.4	256QAM	3	3	16.33	16.51	16.25	18.00
1.4	256QAM	6	0	16.44	16.60	16.52	18.00

【LTE Band 4_Ant 4_DSI 3】

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	21.11	21.20	21.06	22.30
20	QPSK	1	49	20.89	21.06	20.90	22.30
20	QPSK	1	99	20.76	20.95	20.77	22.30
20	QPSK	50	0	20.44	20.51	20.46	21.80
20	QPSK	50	24	20.29	20.47	20.19	21.80
20	QPSK	50	50	20.21	20.42	20.22	21.80
20	QPSK	100	0	20.36	20.44	20.33	21.80
20	16QAM	1	0	20.35	20.47	20.24	21.80
20	16QAM	1	49	20.26	20.42	20.22	21.80
20	16QAM	1	99	20.24	20.44	20.27	21.80
20	16QAM	50	0	19.46	19.57	19.36	20.80
20	16QAM	50	24	19.36	19.52	19.36	20.80
20	16QAM	50	50	19.39	19.52	19.29	20.80
20	16QAM	100	0	19.47	19.59	19.42	20.80
20	64QAM	1	0	19.21	19.42	19.20	20.80
20	64QAM	1	49	19.37	19.51	19.30	20.80
20	64QAM	1	99	19.28	19.48	19.21	20.80
20	64QAM	50	0	18.41	18.52	18.28	19.80
20	64QAM	50	24	18.35	18.45	18.31	19.80
20	64QAM	50	50	18.35	18.48	18.29	19.80
20	64QAM	100	0	18.32	18.48	18.32	19.80
20	256QAM	1	0	16.36	16.47	16.24	17.80
20	256QAM	1	49	16.39	16.47	16.24	17.80
20	256QAM	1	99	16.26	16.44	16.21	17.80
20	256QAM	50	0	16.39	16.47	16.25	17.80
20	256QAM	50	24	16.21	16.41	16.29	17.80
20	256QAM	50	50	16.38	16.56	16.36	17.80
20	256QAM	100	0	16.43	16.55	16.37	17.80
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.07	21.11	20.97	22.30
15	QPSK	1	37	20.79	21.01	20.86	22.30
15	QPSK	1	74	20.75	20.90	20.68	22.30
15	QPSK	36	0	20.37	20.42	20.35	21.80
15	QPSK	36	20	20.25	20.45	20.10	21.80
15	QPSK	36	39	20.07	20.38	20.09	21.80
15	QPSK	75	0	20.33	20.37	20.27	21.80
15	16QAM	1	0	20.27	20.44	20.20	21.80
15	16QAM	1	37	20.22	20.28	20.18	21.80
15	16QAM	1	74	20.22	20.42	20.24	21.80
15	16QAM	36	0	19.43	19.54	19.32	20.80
15	16QAM	36	20	19.27	19.38	19.28	20.80
15	16QAM	36	39	19.37	19.43	19.23	20.80
15	16QAM	75	0	19.37	19.50	19.35	20.80
15	64QAM	1	0	19.15	19.31	19.16	20.80
15	64QAM	1	37	19.26	19.46	19.27	20.80
15	64QAM	1	74	19.22	19.34	19.08	20.80
15	64QAM	36	0	18.26	18.39	18.14	19.80
15	64QAM	36	20	18.30	18.34	18.26	19.80
15	64QAM	36	39	18.29	18.39	18.27	19.80
15	64QAM	75	0	18.28	18.39	18.26	19.80
15	256QAM	1	0	16.22	16.45	16.18	17.80
15	256QAM	1	37	16.34	16.43	16.15	17.80
15	256QAM	1	74	16.15	16.43	16.08	17.80
15	256QAM	36	0	16.31	16.36	16.12	17.80
15	256QAM	36	20	16.07	16.39	16.25	17.80
15	256QAM	36	39	16.29	16.49	16.31	17.80
15	256QAM	75	0	16.39	16.51	16.29	17.80
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.09	21.13	20.99	22.30
10	QPSK	1	25	20.80	21.03	20.76	22.30
10	QPSK	1	49	20.73	20.82	20.66	22.30
10	QPSK	25	0	20.33	20.44	20.35	21.80
10	QPSK	25	12	20.20	20.34	20.10	21.80
10	QPSK	25	25	20.15	20.37	20.17	21.80
10	QPSK	50	0	20.35	20.34	20.22	21.80
10	16QAM	1	0	20.20	20.32	20.19	21.80
10	16QAM	1	25	20.19	20.35	20.11	21.80
10	16QAM	1	49	20.17	20.33	20.24	21.80
10	16QAM	25	0	19.38	19.46	19.31	20.80



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10	16QAM	25	12	19.32	19.43	19.34	20.80
10	16QAM	25	25	19.31	19.42	19.21	20.80
10	16QAM	50	0	19.34	19.54	19.33	20.80
10	64QAM	1	0	19.17	19.29	19.19	20.80
10	64QAM	1	25	19.23	19.49	19.22	20.80
10	64QAM	1	49	19.22	19.39	19.15	20.80
10	64QAM	25	0	18.38	18.47	18.23	19.80
10	64QAM	25	12	18.24	18.35	18.20	19.80
10	64QAM	25	25	18.32	18.46	18.26	19.80
10	64QAM	50	0	18.23	18.36	18.22	19.80
10	256QAM	1	0	16.31	16.36	16.10	17.80
10	256QAM	1	25	16.34	16.39	16.11	17.80
10	256QAM	1	49	16.21	16.38	16.14	17.80
10	256QAM	25	0	16.33	16.38	16.15	17.80
10	256QAM	25	12	16.16	16.37	16.19	17.80
10	256QAM	25	25	16.30	16.53	16.29	17.80
10	256QAM	50	0	16.40	16.47	16.32	17.80
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.97	21.16	20.95	22.30
5	QPSK	1	12	20.81	20.99	20.85	22.30
5	QPSK	1	24	20.68	20.87	20.66	22.30
5	QPSK	12	0	20.36	20.49	20.43	21.80
5	QPSK	12	7	20.15	20.42	20.04	21.80
5	QPSK	12	13	20.08	20.28	20.11	21.80
5	QPSK	25	0	20.23	20.38	20.25	21.80
5	16QAM	1	0	20.29	20.39	20.13	21.80
5	16QAM	1	12	20.22	20.32	20.11	21.80
5	16QAM	1	24	20.11	20.34	20.22	21.80
5	16QAM	12	0	19.38	19.51	19.21	20.80
5	16QAM	12	7	19.29	19.43	19.24	20.80
5	16QAM	12	13	19.28	19.42	19.21	20.80
5	16QAM	25	0	19.36	19.48	19.30	20.80
5	64QAM	1	0	19.12	19.36	19.08	20.80
5	64QAM	1	12	19.28	19.46	19.23	20.80
5	64QAM	1	24	19.20	19.43	19.17	20.80
5	64QAM	12	0	18.28	18.50	18.22	19.80
5	64QAM	12	7	18.28	18.35	18.27	19.80
5	64QAM	12	13	18.29	18.43	18.17	19.80
5	64QAM	25	0	18.18	18.43	18.22	19.80
5	256QAM	1	0	16.31	16.37	16.11	17.80
5	256QAM	1	12	16.26	16.34	16.19	17.80
5	256QAM	1	24	16.21	16.41	16.16	17.80
5	256QAM	12	0	16.33	16.40	16.11	17.80
5	256QAM	12	7	16.18	16.39	16.15	17.80
5	256QAM	12	13	16.24	16.46	16.33	17.80
5	256QAM	25	0	16.34	16.41	16.33	17.80
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.00	21.14	20.94	22.30
3	QPSK	1	8	20.88	20.97	20.76	22.30
3	QPSK	1	14	20.69	20.88	20.73	22.30
3	QPSK	8	0	20.42	20.38	20.36	21.80
3	QPSK	8	4	20.16	20.41	20.09	21.80
3	QPSK	8	7	20.18	20.34	20.09	21.80
3	QPSK	15	0	20.26	20.32	20.23	21.80
3	16QAM	1	0	20.31	20.33	20.12	21.80
3	16QAM	1	8	20.11	20.32	20.17	21.80
3	16QAM	1	14	20.11	20.41	20.13	21.80
3	16QAM	8	0	19.33	19.56	19.33	20.80
3	16QAM	8	4	19.29	19.40	19.25	20.80
3	16QAM	8	7	19.34	19.44	19.19	20.80
3	16QAM	15	0	19.44	19.46	19.39	20.80
3	64QAM	1	0	19.17	19.38	19.16	20.80
3	64QAM	1	8	19.27	19.48	19.25	20.80
3	64QAM	1	14	19.26	19.34	19.07	20.80
3	64QAM	8	0	18.28	18.39	18.26	19.80
3	64QAM	8	4	18.27	18.30	18.25	19.80
3	64QAM	8	7	18.27	18.44	18.15	19.80
3	64QAM	15	0	18.31	18.37	18.31	19.80
3	256QAM	1	0	16.34	16.41	16.16	17.80
3	256QAM	1	8	16.26	16.39	16.13	17.80
3	256QAM	1	14	16.16	16.29	16.07	17.80
3	256QAM	8	0	16.38	16.42	16.13	17.80
3	256QAM	8	4	16.12	16.39	16.25	17.80
3	256QAM	8	7	16.29	16.54	16.34	17.80
3	256QAM	15	0	16.39	16.46	16.32	17.80
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	21.00	21.11	20.92	22.30
1.4	QPSK	1	3	20.79	20.99	20.78	22.30
1.4	QPSK	1	5	20.64	20.86	20.70	22.30
1.4	QPSK	3	0	20.87	20.97	20.95	22.30
1.4	QPSK	3	1	20.68	20.82	20.61	22.30
1.4	QPSK	3	3	20.64	20.77	20.71	22.30
1.4	QPSK	6	0	20.34	20.41	20.23	21.80
1.4	16QAM	1	0	20.25	20.42	20.18	21.80
1.4	16QAM	1	3	20.24	20.34	20.14	21.80
1.4	16QAM	1	5	20.16	20.30	20.21	21.80
1.4	16QAM	3	0	20.44	20.45	20.32	21.80
1.4	16QAM	3	1	20.34	20.48	20.23	21.80
1.4	16QAM	3	3	20.29	20.46	20.24	21.80
1.4	16QAM	6	0	19.36	19.53	19.35	20.80
1.4	64QAM	1	0	19.09	19.35	19.11	20.80
1.4	64QAM	1	3	19.27	19.40	19.24	20.80
1.4	64QAM	1	5	19.20	19.35	19.20	20.80
1.4	64QAM	3	0	19.31	19.39	19.20	19.80
1.4	64QAM	3	1	19.25	19.37	19.20	19.80
1.4	64QAM	3	3	19.22	19.41	19.27	19.80
1.4	64QAM	6	0	18.22	18.41	18.29	19.80
1.4	256QAM	1	0	16.35	16.32	16.11	17.80
1.4	256QAM	1	3	16.32	16.46	16.10	17.80
1.4	256QAM	1	5	16.12	16.40	16.17	17.80
1.4	256QAM	3	0	16.38	16.39	16.24	17.80
1.4	256QAM	3	1	16.10	16.31	16.28	17.80
1.4	256QAM	3	3	16.33	16.43	16.32	17.80
1.4	256QAM	6	0	16.40	16.40	16.33	17.80

【LTE Band 4_Ant 4_DSI 4】

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	21.59	21.66	21.58	23.00
20	QPSK	1	49	21.39	21.56	21.47	23.00
20	QPSK	1	99	21.26	21.39	21.28	23.00
20	QPSK	50	0	20.60	20.63	20.57	22.00
20	QPSK	50	24	20.41	20.59	20.47	22.00
20	QPSK	50	50	20.28	20.48	20.31	22.00
20	QPSK	100	0	20.52	20.60	20.51	22.00
20	16QAM	1	0	20.41	20.54	20.42	22.00
20	16QAM	1	49	20.36	20.52	20.40	22.00
20	16QAM	1	99	20.39	20.48	20.30	22.00
20	16QAM	50	0	19.44	19.65	19.52	21.00
20	16QAM	50	24	19.45	19.55	19.36	21.00
20	16QAM	50	50	19.44	19.59	19.39	21.00
20	16QAM	100	0	19.34	19.46	19.31	21.00
20	64QAM	1	0	19.34	19.51	19.36	21.00
20	64QAM	1	49	19.37	19.50	19.32	21.00
20	64QAM	1	99	19.55	19.66	19.50	21.00
20	64QAM	50	0	18.34	18.45	18.35	20.00
20	64QAM	50	24	18.37	18.51	18.41	20.00
20	64QAM	50	50	18.38	18.51	18.37	20.00
20	64QAM	100	0	18.55	18.66	18.53	20.00
20	256QAM	1	0	16.47	16.56	16.35	18.00
20	256QAM	1	49	16.48	16.61	16.40	18.00
20	256QAM	1	99	16.47	16.56	16.43	18.00
20	256QAM	50	0	16.33	16.47	16.39	18.00
20	256QAM	50	24	16.40	16.46	16.38	18.00
20	256QAM	50	50	16.39	16.59	16.38	18.00
20	256QAM	100	0	16.56	16.65	16.57	18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.48	21.61	21.53	23.00
15	QPSK	1	37	21.29	21.45	21.39	23.00
15	QPSK	1	74	21.21	21.31	21.25	23.00
15	QPSK	36	0	20.54	20.50	20.45	22.00
15	QPSK	36	20	20.29	20.48	20.40	22.00
15	QPSK	36	39	20.25	20.41	20.19	22.00
15	QPSK	75	0	20.38	20.49	20.50	22.00



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15	16QAM	1	0	20.34	20.43	20.37	22.00
15	16QAM	1	37	20.35	20.51	20.28	22.00
15	16QAM	1	74	20.34	20.38	20.17	22.00
15	16QAM	36	0	19.31	19.51	19.39	21.00
15	16QAM	36	20	19.32	19.42	19.26	21.00
15	16QAM	36	39	19.34	19.46	19.35	21.00
15	16QAM	75	0	19.27	19.35	19.27	21.00
15	64QAM	1	0	19.22	19.39	19.24	21.00
15	64QAM	1	37	19.25	19.45	19.28	21.00
15	64QAM	1	74	19.41	19.62	19.36	21.00
15	64QAM	36	0	18.20	18.43	18.28	20.00
15	64QAM	36	20	18.34	18.40	18.38	20.00
15	64QAM	36	39	18.26	18.42	18.23	20.00
15	64QAM	75	0	18.54	18.60	18.46	20.00
15	256QAM	1	0	16.33	16.43	16.26	18.00
15	256QAM	1	37	16.35	16.55	16.35	18.00
15	256QAM	1	74	16.34	16.53	16.37	18.00
15	256QAM	36	0	16.19	16.34	16.26	18.00
15	256QAM	36	20	16.37	16.33	16.26	18.00
15	256QAM	36	39	16.31	16.56	16.32	18.00
15	256QAM	75	0	16.46	16.61	16.47	18.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	21.52	21.62	21.53	23.00
10	QPSK	1	25	21.33	21.46	21.36	23.00
10	QPSK	1	49	21.23	21.33	21.17	23.00
10	QPSK	25	0	20.55	20.49	20.43	22.00
10	QPSK	25	12	20.34	20.51	20.42	22.00
10	QPSK	25	25	20.27	20.35	20.18	22.00
10	QPSK	50	0	20.43	20.58	20.42	22.00
10	16QAM	1	0	20.30	20.45	20.40	22.00
10	16QAM	1	25	20.29	20.42	20.34	22.00
10	16QAM	1	49	20.31	20.34	20.19	22.00
10	16QAM	25	0	19.36	19.52	19.50	21.00
10	16QAM	25	12	19.41	19.43	19.22	21.00
10	16QAM	25	25	19.38	19.46	19.32	21.00
10	16QAM	50	0	19.22	19.33	19.27	21.00
10	64QAM	1	0	19.32	19.40	19.32	21.00
10	64QAM	1	25	19.22	19.48	19.28	21.00
10	64QAM	1	49	19.43	19.62	19.36	21.00
10	64QAM	25	0	18.22	18.40	18.27	20.00
10	64QAM	25	12	18.30	18.44	18.29	20.00
10	64QAM	25	25	18.33	18.46	18.23	20.00
10	64QAM	50	0	18.41	18.64	18.42	20.00
10	256QAM	1	0	16.34	16.46	16.22	18.00
10	256QAM	1	25	16.41	16.46	16.35	18.00
10	256QAM	1	49	16.37	16.53	16.34	18.00
10	256QAM	25	0	16.24	16.43	16.33	18.00
10	256QAM	25	12	16.37	16.36	16.34	18.00
10	256QAM	25	25	16.32	16.52	16.30	18.00
10	256QAM	50	0	16.54	16.57	16.51	18.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.47	21.61	21.52	23.00
5	QPSK	1	12	21.29	21.55	21.36	23.00
5	QPSK	1	24	21.15	21.29	21.22	23.00
5	QPSK	12	0	20.51	20.54	20.53	22.00
5	QPSK	12	7	20.33	20.51	20.41	22.00
5	QPSK	12	13	20.22	20.39	20.24	22.00
5	QPSK	25	0	20.48	20.46	20.41	22.00
5	16QAM	1	0	20.32	20.49	20.35	22.00
5	16QAM	1	12	20.30	20.44	20.33	22.00
5	16QAM	1	24	20.32	20.46	20.16	22.00
5	16QAM	12	0	19.30	19.56	19.43	21.00
5	16QAM	12	7	19.33	19.42	19.30	21.00
5	16QAM	12	13	19.42	19.45	19.34	21.00
5	16QAM	25	0	19.26	19.43	19.27	21.00
5	64QAM	1	0	19.23	19.47	19.26	21.00
5	64QAM	1	12	19.23	19.44	19.29	21.00
5	64QAM	1	24	19.44	19.58	19.40	21.00
5	64QAM	12	0	18.27	18.30	18.31	20.00
5	64QAM	12	7	18.31	18.40	18.40	20.00
5	64QAM	12	13	18.37	18.46	18.34	20.00
5	64QAM	25	0	18.47	18.58	18.48	20.00
5	256QAM	1	0	16.33	16.46	16.29	18.00
5	256QAM	1	12	16.39	16.47	16.38	18.00
5	256QAM	1	24	16.43	16.41	16.41	18.00
5	256QAM	12	0	16.20	16.44	16.34	18.00



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5	256QAM	12	7	16.33	16.38	16.36	18.00
5	256QAM	12	13	16.36	16.54	16.30	18.00
5	256QAM	25	0	16.44	16.55	16.49	18.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.49	21.63	21.46	23.00
3	QPSK	1	8	21.37	21.50	21.45	23.00
3	QPSK	1	14	21.16	21.35	21.20	23.00
3	QPSK	8	0	20.52	20.59	20.49	22.00
3	QPSK	8	4	20.38	20.47	20.34	22.00
3	QPSK	8	7	20.13	20.33	20.27	22.00
3	QPSK	15	0	20.49	20.54	20.38	22.00
3	16QAM	1	0	20.34	20.44	20.28	22.00
3	16QAM	1	8	20.24	20.48	20.30	22.00
3	16QAM	1	14	20.28	20.42	20.17	22.00
3	16QAM	8	0	19.34	19.51	19.41	21.00
3	16QAM	8	4	19.37	19.43	19.28	21.00
3	16QAM	8	7	19.36	19.55	19.30	21.00
3	16QAM	15	0	19.28	19.44	19.25	21.00
3	64QAM	1	0	19.30	19.45	19.24	21.00
3	64QAM	1	8	19.34	19.42	19.27	21.00
3	64QAM	1	14	19.49	19.65	19.43	21.00
3	64QAM	8	0	18.29	18.36	18.25	20.00
3	64QAM	8	4	18.35	18.39	18.29	20.00
3	64QAM	8	7	18.36	18.45	18.32	20.00
3	64QAM	15	0	18.44	18.58	18.38	20.00
3	256QAM	1	0	16.46	16.53	16.21	18.00
3	256QAM	1	8	16.41	16.53	16.38	18.00
3	256QAM	1	14	16.34	16.52	16.34	18.00
3	256QAM	8	0	16.24	16.37	16.35	18.00
3	256QAM	8	4	16.34	16.41	16.25	18.00
3	256QAM	8	7	16.25	16.49	16.32	18.00
3	256QAM	15	0	16.44	16.57	16.50	18.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.46	21.61	21.56	23.00
1.4	QPSK	1	3	21.31	21.51	21.35	23.00
1.4	QPSK	1	5	21.13	21.31	21.23	23.00
1.4	QPSK	3	0	21.52	21.58	21.47	23.00
1.4	QPSK	3	1	21.34	21.55	21.40	23.00
1.4	QPSK	3	3	21.24	21.36	21.24	23.00
1.4	QPSK	6	0	20.42	20.51	20.46	22.00
1.4	16QAM	1	0	20.28	20.41	20.34	22.00
1.4	16QAM	1	3	20.21	20.39	20.39	22.00
1.4	16QAM	1	5	20.34	20.33	20.23	22.00
1.4	16QAM	3	0	20.42	20.61	20.47	22.00
1.4	16QAM	3	1	20.39	20.52	20.21	22.00
1.4	16QAM	3	3	20.30	20.57	20.29	22.00
1.4	16QAM	6	0	19.30	19.44	19.17	21.00
1.4	64QAM	1	0	19.23	19.46	19.30	21.00
1.4	64QAM	1	3	19.35	19.40	19.20	21.00
1.4	64QAM	1	5	19.46	19.55	19.45	21.00
1.4	64QAM	3	0	19.30	19.33	19.29	21.00
1.4	64QAM	3	1	19.32	19.37	19.28	21.00
1.4	64QAM	3	3	19.25	19.48	19.25	21.00
1.4	64QAM	6	0	18.48	18.55	18.41	20.00
1.4	256QAM	1	0	16.39	16.54	16.32	18.00
1.4	256QAM	1	3	16.44	16.58	16.27	18.00
1.4	256QAM	1	5	16.37	16.50	16.42	18.00
1.4	256QAM	3	0	16.19	16.36	16.34	18.00
1.4	256QAM	3	1	16.27	16.37	16.36	18.00
1.4	256QAM	3	3	16.33	16.51	16.25	18.00
1.4	256QAM	6	0	16.44	16.60	16.52	18.00



【LTE Band 4_Ant 4_DSI 6】

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	21.59	21.66	21.58	23.00
20	QPSK	1	49	21.39	21.56	21.47	23.00
20	QPSK	1	99	21.26	21.39	21.28	23.00
20	QPSK	50	0	20.60	20.63	20.57	22.00
20	QPSK	50	24	20.41	20.59	20.47	22.00
20	QPSK	50	50	20.28	20.48	20.31	22.00
20	QPSK	100	0	20.52	20.60	20.51	22.00
20	16QAM	1	0	20.41	20.54	20.42	22.00
20	16QAM	1	49	20.36	20.52	20.40	22.00
20	16QAM	1	99	20.39	20.48	20.30	22.00
20	16QAM	50	0	19.44	19.65	19.52	21.00
20	16QAM	50	24	19.45	19.55	19.36	21.00
20	16QAM	50	50	19.44	19.59	19.39	21.00
20	16QAM	100	0	19.34	19.46	19.31	21.00
20	64QAM	1	0	19.34	19.51	19.36	21.00
20	64QAM	1	49	19.37	19.50	19.32	21.00
20	64QAM	1	99	19.55	19.66	19.50	21.00
20	64QAM	50	0	18.34	18.45	18.35	20.00
20	64QAM	50	24	18.37	18.51	18.41	20.00
20	64QAM	50	50	18.38	18.51	18.37	20.00
20	64QAM	100	0	18.55	18.66	18.53	20.00
20	256QAM	1	0	16.47	16.56	16.35	18.00
20	256QAM	1	49	16.48	16.61	16.40	18.00
20	256QAM	1	99	16.47	16.56	16.43	18.00
20	256QAM	50	0	16.33	16.47	16.39	18.00
20	256QAM	50	24	16.40	16.46	16.38	18.00
20	256QAM	50	50	16.39	16.59	16.38	18.00
20	256QAM	100	0	16.56	16.65	16.57	18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.48	21.61	21.53	23.00
15	QPSK	1	37	21.29	21.45	21.39	23.00
15	QPSK	1	74	21.21	21.31	21.25	23.00
15	QPSK	36	0	20.54	20.50	20.45	22.00
15	QPSK	36	20	20.29	20.48	20.40	22.00
15	QPSK	36	39	20.25	20.41	20.19	22.00
15	QPSK	75	0	20.38	20.49	20.50	22.00
15	16QAM	1	0	20.34	20.43	20.37	22.00
15	16QAM	1	37	20.35	20.51	20.28	22.00
15	16QAM	1	74	20.34	20.38	20.17	22.00
15	16QAM	36	0	19.31	19.51	19.39	21.00
15	16QAM	36	20	19.32	19.42	19.26	21.00
15	16QAM	36	39	19.34	19.46	19.35	21.00
15	16QAM	75	0	19.27	19.35	19.27	21.00
15	64QAM	1	0	19.22	19.39	19.24	21.00
15	64QAM	1	37	19.25	19.45	19.28	21.00
15	64QAM	1	74	19.41	19.62	19.36	21.00
15	64QAM	36	0	18.20	18.43	18.28	20.00
15	64QAM	36	20	18.34	18.40	18.38	20.00
15	64QAM	36	39	18.26	18.42	18.23	20.00
15	64QAM	75	0	18.54	18.60	18.46	20.00
15	256QAM	1	0	16.33	16.43	16.26	18.00
15	256QAM	1	37	16.35	16.55	16.35	18.00
15	256QAM	1	74	16.34	16.53	16.37	18.00
15	256QAM	36	0	16.19	16.34	16.26	18.00
15	256QAM	36	20	16.37	16.33	16.26	18.00
15	256QAM	36	39	16.31	16.56	16.32	18.00
15	256QAM	75	0	16.46	16.61	16.47	18.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.52	21.62	21.53	23.00
10	QPSK	1	25	21.33	21.46	21.36	23.00
10	QPSK	1	49	21.23	21.33	21.17	23.00
10	QPSK	25	0	20.55	20.49	20.43	22.00
10	QPSK	25	12	20.34	20.51	20.42	22.00
10	QPSK	25	25	20.27	20.35	20.18	22.00
10	QPSK	50	0	20.43	20.58	20.42	22.00
10	16QAM	1	0	20.30	20.45	20.40	22.00
10	16QAM	1	25	20.29	20.42	20.34	22.00
10	16QAM	1	49	20.31	20.34	20.19	22.00
10	16QAM	25	0	19.36	19.52	19.50	21.00



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10	16QAM	25	12	19.41	19.43	19.22	21.00
10	16QAM	25	25	19.38	19.46	19.32	21.00
10	16QAM	50	0	19.22	19.33	19.27	21.00
10	64QAM	1	0	19.32	19.40	19.32	21.00
10	64QAM	1	25	19.22	19.48	19.28	21.00
10	64QAM	1	49	19.43	19.62	19.36	21.00
10	64QAM	25	0	18.22	18.40	18.27	20.00
10	64QAM	25	12	18.30	18.44	18.29	20.00
10	64QAM	25	25	18.33	18.46	18.23	20.00
10	64QAM	50	0	18.41	18.64	18.42	20.00
10	256QAM	1	0	16.34	16.46	16.22	18.00
10	256QAM	1	25	16.41	16.46	16.35	18.00
10	256QAM	1	49	16.37	16.53	16.34	18.00
10	256QAM	25	0	16.24	16.43	16.33	18.00
10	256QAM	25	12	16.37	16.36	16.34	18.00
10	256QAM	25	25	16.32	16.52	16.30	18.00
10	256QAM	50	0	16.54	16.57	16.51	18.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	21.47	21.61	21.52	23.00
5	QPSK	1	12	21.29	21.55	21.36	23.00
5	QPSK	1	24	21.15	21.29	21.22	23.00
5	QPSK	12	0	20.51	20.54	20.53	22.00
5	QPSK	12	7	20.33	20.51	20.41	22.00
5	QPSK	12	13	20.22	20.39	20.24	22.00
5	QPSK	25	0	20.48	20.46	20.41	22.00
5	16QAM	1	0	20.32	20.49	20.35	22.00
5	16QAM	1	12	20.30	20.44	20.33	22.00
5	16QAM	1	24	20.32	20.46	20.16	22.00
5	16QAM	12	0	19.30	19.56	19.43	21.00
5	16QAM	12	7	19.33	19.42	19.30	21.00
5	16QAM	12	13	19.42	19.45	19.34	21.00
5	16QAM	25	0	19.26	19.43	19.27	21.00
5	64QAM	1	0	19.23	19.47	19.26	21.00
5	64QAM	1	12	19.23	19.44	19.29	21.00
5	64QAM	1	24	19.44	19.58	19.40	21.00
5	64QAM	12	0	18.27	18.30	18.31	20.00
5	64QAM	12	7	18.31	18.40	18.40	20.00
5	64QAM	12	13	18.37	18.46	18.34	20.00
5	64QAM	25	0	18.47	18.58	18.48	20.00
5	256QAM	1	0	16.33	16.46	16.29	18.00
5	256QAM	1	12	16.39	16.47	16.38	18.00
5	256QAM	1	24	16.43	16.41	16.41	18.00
5	256QAM	12	0	16.20	16.44	16.34	18.00
5	256QAM	12	7	16.33	16.38	16.36	18.00
5	256QAM	12	13	16.36	16.54	16.30	18.00
5	256QAM	25	0	16.44	16.55	16.49	18.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.49	21.63	21.46	23.00
3	QPSK	1	8	21.37	21.50	21.45	23.00
3	QPSK	1	14	21.16	21.35	21.20	23.00
3	QPSK	8	0	20.52	20.59	20.49	22.00
3	QPSK	8	4	20.38	20.47	20.34	22.00
3	QPSK	8	7	20.13	20.33	20.27	22.00
3	QPSK	15	0	20.49	20.54	20.38	22.00
3	16QAM	1	0	20.34	20.44	20.28	22.00
3	16QAM	1	8	20.24	20.48	20.30	22.00
3	16QAM	1	14	20.28	20.42	20.17	22.00
3	16QAM	8	0	19.34	19.51	19.41	21.00
3	16QAM	8	4	19.37	19.43	19.28	21.00
3	16QAM	8	7	19.36	19.55	19.30	21.00
3	16QAM	15	0	19.28	19.44	19.25	21.00
3	64QAM	1	0	19.30	19.45	19.24	21.00
3	64QAM	1	8	19.34	19.42	19.27	21.00
3	64QAM	1	14	19.49	19.65	19.43	21.00
3	64QAM	8	0	18.29	18.36	18.25	20.00
3	64QAM	8	4	18.35	18.39	18.29	20.00
3	64QAM	8	7	18.36	18.45	18.32	20.00
3	64QAM	15	0	18.44	18.58	18.38	20.00
3	256QAM	1	0	16.46	16.53	16.21	18.00
3	256QAM	1	8	16.41	16.53	16.38	18.00
3	256QAM	1	14	16.34	16.52	16.34	18.00
3	256QAM	8	0	16.24	16.37	16.35	18.00
3	256QAM	8	4	16.34	16.41	16.25	18.00
3	256QAM	8	7	16.25	16.49	16.32	18.00
3	256QAM	15	0	16.44	16.57	16.50	18.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	21.46	21.61	21.56	23.00
1.4	QPSK	1	3	21.31	21.51	21.35	23.00
1.4	QPSK	1	5	21.13	21.31	21.23	23.00
1.4	QPSK	3	0	21.52	21.58	21.47	23.00
1.4	QPSK	3	1	21.34	21.55	21.40	23.00
1.4	QPSK	3	3	21.24	21.36	21.24	23.00
1.4	QPSK	6	0	20.42	20.51	20.46	22.00
1.4	16QAM	1	0	20.28	20.41	20.34	22.00
1.4	16QAM	1	3	20.21	20.39	20.39	22.00
1.4	16QAM	1	5	20.34	20.33	20.23	22.00
1.4	16QAM	3	0	20.42	20.61	20.47	22.00
1.4	16QAM	3	1	20.39	20.52	20.21	22.00
1.4	16QAM	3	3	20.30	20.57	20.29	22.00
1.4	16QAM	6	0	19.30	19.44	19.17	21.00
1.4	64QAM	1	0	19.23	19.46	19.30	21.00
1.4	64QAM	1	3	19.35	19.40	19.20	21.00
1.4	64QAM	1	5	19.46	19.55	19.45	21.00
1.4	64QAM	3	0	19.30	19.33	19.29	21.00
1.4	64QAM	3	1	19.32	19.37	19.28	21.00
1.4	64QAM	3	3	19.25	19.48	19.25	21.00
1.4	64QAM	6	0	18.48	18.55	18.41	20.00
1.4	256QAM	1	0	16.39	16.54	16.32	18.00
1.4	256QAM	1	3	16.44	16.58	16.27	18.00
1.4	256QAM	1	5	16.37	16.50	16.42	18.00
1.4	256QAM	3	0	16.19	16.36	16.34	18.00
1.4	256QAM	3	1	16.27	16.37	16.36	18.00
1.4	256QAM	3	3	16.33	16.51	16.25	18.00
1.4	256QAM	6	0	16.44	16.60	16.52	18.00

【LTE Band 4_Ant 4_DSI 7】

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	21.11	21.20	21.06	22.30
20	QPSK	1	49	20.89	21.06	20.90	22.30
20	QPSK	1	99	20.76	20.95	20.77	22.30
20	QPSK	50	0	20.44	20.51	20.46	21.80
20	QPSK	50	24	20.29	20.47	20.19	21.80
20	QPSK	50	50	20.21	20.42	20.22	21.80
20	QPSK	100	0	20.36	20.44	20.33	21.80
20	16QAM	1	0	20.35	20.47	20.24	21.80
20	16QAM	1	49	20.26	20.42	20.22	21.80
20	16QAM	1	99	20.24	20.44	20.27	21.80
20	16QAM	50	0	19.46	19.57	19.36	20.80
20	16QAM	50	24	19.36	19.52	19.36	20.80
20	16QAM	50	50	19.39	19.52	19.29	20.80
20	16QAM	100	0	19.47	19.59	19.42	20.80
20	64QAM	1	0	19.21	19.42	19.20	20.80
20	64QAM	1	49	19.37	19.51	19.30	20.80
20	64QAM	1	99	19.28	19.48	19.21	20.80
20	64QAM	50	0	18.41	18.52	18.28	19.80
20	64QAM	50	24	18.35	18.45	18.31	19.80
20	64QAM	50	50	18.35	18.48	18.29	19.80
20	64QAM	100	0	18.32	18.48	18.32	19.80
20	256QAM	1	0	16.36	16.47	16.24	17.80
20	256QAM	1	49	16.39	16.47	16.24	17.80
20	256QAM	1	99	16.26	16.44	16.21	17.80
20	256QAM	50	0	16.39	16.47	16.25	17.80
20	256QAM	50	24	16.21	16.41	16.29	17.80
20	256QAM	50	50	16.38	16.56	16.36	17.80
20	256QAM	100	0	16.43	16.55	16.37	17.80
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.07	21.11	20.97	22.30
15	QPSK	1	37	20.79	21.01	20.86	22.30
15	QPSK	1	74	20.75	20.90	20.68	22.30
15	QPSK	36	0	20.37	20.42	20.35	21.80
15	QPSK	36	20	20.25	20.45	20.10	21.80
15	QPSK	36	39	20.07	20.38	20.09	21.80
15	QPSK	75	0	20.33	20.37	20.27	21.80



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15	16QAM	1	0	20.27	20.44	20.20	21.80
15	16QAM	1	37	20.22	20.28	20.18	21.80
15	16QAM	1	74	20.22	20.42	20.24	21.80
15	16QAM	36	0	19.43	19.54	19.32	20.80
15	16QAM	36	20	19.27	19.38	19.28	20.80
15	16QAM	36	39	19.37	19.43	19.23	20.80
15	16QAM	75	0	19.37	19.50	19.35	20.80
15	64QAM	1	0	19.15	19.31	19.16	20.80
15	64QAM	1	37	19.26	19.46	19.27	20.80
15	64QAM	1	74	19.22	19.34	19.08	20.80
15	64QAM	36	0	18.26	18.39	18.14	19.80
15	64QAM	36	20	18.30	18.34	18.26	19.80
15	64QAM	36	39	18.29	18.39	18.27	19.80
15	64QAM	75	0	18.28	18.39	18.26	19.80
15	256QAM	1	0	16.22	16.45	16.18	17.80
15	256QAM	1	37	16.34	16.43	16.15	17.80
15	256QAM	1	74	16.15	16.43	16.08	17.80
15	256QAM	36	0	16.31	16.36	16.12	17.80
15	256QAM	36	20	16.07	16.39	16.25	17.80
15	256QAM	36	39	16.29	16.49	16.31	17.80
15	256QAM	75	0	16.39	16.51	16.29	17.80
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	21.09	21.13	20.99	22.30
10	QPSK	1	25	20.80	21.03	20.76	22.30
10	QPSK	1	49	20.73	20.82	20.66	22.30
10	QPSK	25	0	20.33	20.44	20.35	21.80
10	QPSK	25	12	20.20	20.34	20.10	21.80
10	QPSK	25	25	20.15	20.37	20.17	21.80
10	QPSK	50	0	20.35	20.34	20.22	21.80
10	16QAM	1	0	20.20	20.32	20.19	21.80
10	16QAM	1	25	20.19	20.35	20.11	21.80
10	16QAM	1	49	20.17	20.33	20.24	21.80
10	16QAM	25	0	19.38	19.46	19.31	20.80
10	16QAM	25	12	19.32	19.43	19.34	20.80
10	16QAM	25	25	19.31	19.42	19.21	20.80
10	16QAM	50	0	19.34	19.54	19.33	20.80
10	64QAM	1	0	19.17	19.29	19.19	20.80
10	64QAM	1	25	19.23	19.49	19.22	20.80
10	64QAM	1	49	19.22	19.39	19.15	20.80
10	64QAM	25	0	18.38	18.47	18.23	19.80
10	64QAM	25	12	18.24	18.35	18.20	19.80
10	64QAM	25	25	18.32	18.46	18.26	19.80
10	64QAM	50	0	18.23	18.36	18.22	19.80
10	256QAM	1	0	16.31	16.36	16.10	17.80
10	256QAM	1	25	16.34	16.39	16.11	17.80
10	256QAM	1	49	16.21	16.38	16.14	17.80
10	256QAM	25	0	16.33	16.38	16.15	17.80
10	256QAM	25	12	16.16	16.37	16.19	17.80
10	256QAM	25	25	16.30	16.53	16.29	17.80
10	256QAM	50	0	16.40	16.47	16.32	17.80
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	20.97	21.16	20.95	22.30
5	QPSK	1	12	20.81	20.99	20.85	22.30
5	QPSK	1	24	20.68	20.87	20.66	22.30
5	QPSK	12	0	20.36	20.49	20.43	21.80
5	QPSK	12	7	20.15	20.42	20.04	21.80
5	QPSK	12	13	20.08	20.28	20.11	21.80
5	QPSK	25	0	20.23	20.38	20.25	21.80
5	16QAM	1	0	20.29	20.39	20.13	21.80
5	16QAM	1	12	20.22	20.32	20.11	21.80
5	16QAM	1	24	20.11	20.34	20.22	21.80
5	16QAM	12	0	19.38	19.51	19.21	20.80
5	16QAM	12	7	19.29	19.43	19.24	20.80
5	16QAM	12	13	19.28	19.42	19.21	20.80
5	16QAM	25	0	19.36	19.48	19.30	20.80
5	64QAM	1	0	19.12	19.36	19.08	20.80
5	64QAM	1	12	19.28	19.46	19.23	20.80
5	64QAM	1	24	19.20	19.43	19.17	20.80
5	64QAM	12	0	18.28	18.50	18.22	19.80
5	64QAM	12	7	18.28	18.35	18.27	19.80
5	64QAM	12	13	18.29	18.43	18.17	19.80
5	64QAM	25	0	18.18	18.43	18.22	19.80
5	256QAM	1	0	16.31	16.37	16.11	17.80
5	256QAM	1	12	16.26	16.34	16.19	17.80
5	256QAM	1	24	16.21	16.41	16.16	17.80
5	256QAM	12	0	16.33	16.40	16.11	17.80



5	256QAM	12	7	16.18	16.39	16.15	17.80
5	256QAM	12	13	16.24	16.46	16.33	17.80
5	256QAM	25	0	16.34	16.41	16.33	17.80
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.00	21.14	20.94	22.30
3	QPSK	1	8	20.88	20.97	20.76	22.30
3	QPSK	1	14	20.69	20.88	20.73	22.30
3	QPSK	8	0	20.42	20.38	20.36	21.80
3	QPSK	8	4	20.16	20.41	20.09	21.80
3	QPSK	8	7	20.18	20.34	20.09	21.80
3	QPSK	15	0	20.26	20.32	20.23	21.80
3	16QAM	1	0	20.31	20.33	20.12	21.80
3	16QAM	1	8	20.11	20.32	20.17	21.80
3	16QAM	1	14	20.11	20.41	20.13	21.80
3	16QAM	8	0	19.33	19.56	19.33	20.80
3	16QAM	8	4	19.29	19.40	19.25	20.80
3	16QAM	8	7	19.34	19.44	19.19	20.80
3	16QAM	15	0	19.44	19.46	19.39	20.80
3	64QAM	1	0	19.17	19.38	19.16	20.80
3	64QAM	1	8	19.27	19.48	19.25	20.80
3	64QAM	1	14	19.26	19.34	19.07	20.80
3	64QAM	8	0	18.28	18.39	18.26	19.80
3	64QAM	8	4	18.27	18.30	18.25	19.80
3	64QAM	8	7	18.27	18.44	18.15	19.80
3	64QAM	15	0	18.31	18.37	18.31	19.80
3	256QAM	1	0	16.34	16.41	16.16	17.80
3	256QAM	1	8	16.26	16.39	16.13	17.80
3	256QAM	1	14	16.16	16.29	16.07	17.80
3	256QAM	8	0	16.38	16.42	16.13	17.80
3	256QAM	8	4	16.12	16.39	16.25	17.80
3	256QAM	8	7	16.29	16.54	16.34	17.80
3	256QAM	15	0	16.39	16.46	16.32	17.80
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.00	21.11	20.92	22.30
1.4	QPSK	1	3	20.79	20.99	20.78	22.30
1.4	QPSK	1	5	20.64	20.86	20.70	22.30
1.4	QPSK	3	0	20.87	20.97	20.95	22.30
1.4	QPSK	3	1	20.68	20.82	20.61	22.30
1.4	QPSK	3	3	20.64	20.77	20.71	22.30
1.4	QPSK	6	0	20.34	20.41	20.23	21.80
1.4	16QAM	1	0	20.25	20.42	20.18	21.80
1.4	16QAM	1	3	20.24	20.34	20.14	21.80
1.4	16QAM	1	5	20.16	20.30	20.21	21.80
1.4	16QAM	3	0	20.44	20.45	20.32	21.80
1.4	16QAM	3	1	20.34	20.48	20.23	21.80
1.4	16QAM	3	3	20.29	20.46	20.24	21.80
1.4	16QAM	6	0	19.36	19.53	19.35	20.80
1.4	64QAM	1	0	19.09	19.35	19.11	20.80
1.4	64QAM	1	3	19.27	19.40	19.24	20.80
1.4	64QAM	1	5	19.20	19.35	19.20	20.80
1.4	64QAM	3	0	19.31	19.39	19.20	20.80
1.4	64QAM	3	1	19.25	19.37	19.20	20.80
1.4	64QAM	3	3	19.22	19.41	19.27	20.80
1.4	64QAM	6	0	18.22	18.41	18.29	19.80
1.4	256QAM	1	0	16.35	16.32	16.11	17.80
1.4	256QAM	1	3	16.32	16.46	16.10	17.80
1.4	256QAM	1	5	16.12	16.40	16.17	17.80
1.4	256QAM	3	0	16.38	16.39	16.24	17.80
1.4	256QAM	3	1	16.10	16.31	16.28	17.80
1.4	256QAM	3	3	16.33	16.43	16.32	17.80
1.4	256QAM	6	0	16.40	16.40	16.33	17.80



【LTE Band 4_Ant 4_DSI 12】

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	16.48	16.46	16.45	18.10
20	QPSK	1	49	16.29	16.33	16.32	18.10
20	QPSK	1	99	16.33	16.25	16.32	18.10
20	QPSK	50	0	16.35	16.44	16.22	18.10
20	QPSK	50	24	16.27	16.29	16.34	18.10
20	QPSK	50	50	16.42	16.33	16.29	18.10
20	QPSK	100	0	16.28	16.38	16.30	18.10
20	16QAM	1	0	16.38	16.40	16.34	18.10
20	16QAM	1	49	16.36	16.32	16.34	18.10
20	16QAM	1	99	16.24	16.29	16.40	18.10
20	16QAM	50	0	16.30	16.33	16.30	18.10
20	16QAM	50	24	16.29	16.36	16.25	18.10
20	16QAM	50	50	16.28	16.30	16.39	18.10
20	16QAM	100	0	16.29	16.36	16.29	18.10
20	64QAM	1	0	16.36	16.39	16.23	18.10
20	64QAM	1	49	16.33	16.40	16.29	18.10
20	64QAM	1	99	16.31	16.34	16.25	18.10
20	64QAM	50	0	16.34	16.29	16.34	18.10
20	64QAM	50	24	16.32	16.44	16.24	18.10
20	64QAM	50	50	16.31	16.32	16.24	18.10
20	64QAM	100	0	16.26	16.37	16.27	18.10
20	256QAM	1	0	16.41	16.41	16.29	18.10
20	256QAM	1	49	16.36	16.32	16.24	18.10
20	256QAM	1	99	16.25	16.33	16.30	18.10
20	256QAM	50	0	16.35	16.34	16.23	18.10
20	256QAM	50	24	16.39	16.34	16.24	18.10
20	256QAM	50	50	16.42	16.27	16.26	18.10
20	256QAM	100	0	16.34	16.25	16.34	18.10
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.33	16.32	16.43	18.10
15	QPSK	1	37	16.18	16.21	16.27	18.10
15	QPSK	1	74	16.21	16.17	16.24	18.10
15	QPSK	36	0	16.34	16.31	16.11	18.10
15	QPSK	36	20	16.18	16.23	16.27	18.10
15	QPSK	36	39	16.36	16.31	16.20	18.10
15	QPSK	75	0	16.23	16.30	16.25	18.10
15	16QAM	1	0	16.29	16.26	16.25	18.10
15	16QAM	1	37	16.22	16.21	16.32	18.10
15	16QAM	1	74	16.20	16.18	16.26	18.10
15	16QAM	36	0	16.18	16.29	16.26	18.10
15	16QAM	36	20	16.18	16.24	16.15	18.10
15	16QAM	36	39	16.13	16.18	16.35	18.10
15	16QAM	75	0	16.20	16.31	16.26	18.10
15	64QAM	1	0	16.22	16.35	16.13	18.10
15	64QAM	1	37	16.27	16.32	16.23	18.10
15	64QAM	1	74	16.23	16.28	16.13	18.10
15	64QAM	36	0	16.26	16.21	16.24	18.10
15	64QAM	36	20	16.28	16.32	16.13	18.10
15	64QAM	36	39	16.28	16.27	16.13	18.10
15	64QAM	75	0	16.15	16.23	16.17	18.10
15	256QAM	1	0	16.37	16.30	16.16	18.10
15	256QAM	1	37	16.34	16.22	16.21	18.10
15	256QAM	1	74	16.16	16.24	16.27	18.10
15	256QAM	36	0	16.23	16.28	16.18	18.10
15	256QAM	36	20	16.28	16.25	16.13	18.10
15	256QAM	36	39	16.35	16.17	16.13	18.10
15	256QAM	75	0	16.27	16.13	16.30	18.10
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	16.41	16.45	16.36	18.10
10	QPSK	1	25	16.20	16.30	16.17	18.10
10	QPSK	1	49	16.31	16.22	16.30	18.10
10	QPSK	25	0	16.23	16.32	16.10	18.10
10	QPSK	25	12	16.16	16.20	16.33	18.10
10	QPSK	25	25	16.29	16.23	16.26	18.10
10	QPSK	50	0	16.25	16.37	16.25	18.10
10	16QAM	1	0	16.36	16.29	16.28	18.10
10	16QAM	1	25	16.33	16.19	16.27	18.10
10	16QAM	1	49	16.14	16.14	16.28	18.10
10	16QAM	25	0	16.25	16.29	16.17	18.10



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10	16QAM	25	12	16.25	16.30	16.15	18.10
10	16QAM	25	25	16.24	16.28	16.35	18.10
10	16QAM	50	0	16.19	16.34	16.28	18.10
10	64QAM	1	0	16.23	16.30	16.10	18.10
10	64QAM	1	25	16.21	16.36	16.14	18.10
10	64QAM	1	49	16.16	16.27	16.14	18.10
10	64QAM	25	0	16.30	16.25	16.19	18.10
10	64QAM	25	12	16.30	16.39	16.23	18.10
10	64QAM	25	25	16.24	16.26	16.14	18.10
10	64QAM	50	0	16.14	16.22	16.25	18.10
10	256QAM	1	0	16.32	16.38	16.17	18.10
10	256QAM	1	25	16.29	16.22	16.11	18.10
10	256QAM	1	49	16.17	16.29	16.16	18.10
10	256QAM	25	0	16.25	16.24	16.22	18.10
10	256QAM	25	12	16.28	16.32	16.22	18.10
10	256QAM	25	25	16.31	16.16	16.11	18.10
10	256QAM	50	0	16.27	16.12	16.21	18.10
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	16.45	16.44	16.32	18.10
5	QPSK	1	12	16.26	16.19	16.28	18.10
5	QPSK	1	24	16.20	16.16	16.20	18.10
5	QPSK	12	0	16.21	16.33	16.11	18.10
5	QPSK	12	7	16.23	16.17	16.25	18.10
5	QPSK	12	13	16.40	16.27	16.24	18.10
5	QPSK	25	0	16.26	16.35	16.23	18.10
5	16QAM	1	0	16.27	16.28	16.23	18.10
5	16QAM	1	12	16.34	16.22	16.21	18.10
5	16QAM	1	24	16.13	16.20	16.39	18.10
5	16QAM	12	0	16.26	16.25	16.20	18.10
5	16QAM	12	7	16.18	16.32	16.14	18.10
5	16QAM	12	13	16.21	16.24	16.37	18.10
5	16QAM	25	0	16.28	16.24	16.25	18.10
5	64QAM	1	0	16.26	16.30	16.12	18.10
5	64QAM	1	12	16.28	16.29	16.22	18.10
5	64QAM	1	24	16.17	16.24	16.11	18.10
5	64QAM	12	0	16.28	16.14	16.26	18.10
5	64QAM	12	7	16.24	16.36	16.21	18.10
5	64QAM	12	13	16.24	16.30	16.13	18.10
5	64QAM	25	0	16.18	16.26	16.18	18.10
5	256QAM	1	0	16.30	16.34	16.18	18.10
5	256QAM	1	12	16.32	16.28	16.12	18.10
5	256QAM	1	24	16.19	16.29	16.20	18.10
5	256QAM	12	0	16.32	16.31	16.13	18.10
5	256QAM	12	7	16.25	16.22	16.15	18.10
5	256QAM	12	13	16.31	16.12	16.23	18.10
5	256QAM	25	0	16.25	16.16	16.23	18.10
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	16.39	16.34	16.39	18.10
3	QPSK	1	8	16.27	16.30	16.24	18.10
3	QPSK	1	14	16.31	16.23	16.26	18.10
3	QPSK	8	0	16.31	16.34	16.19	18.10
3	QPSK	8	4	16.16	16.16	16.30	18.10
3	QPSK	8	7	16.37	16.22	16.19	18.10
3	QPSK	15	0	16.27	16.33	16.16	18.10
3	16QAM	1	0	16.25	16.29	16.29	18.10
3	16QAM	1	8	16.33	16.24	16.28	18.10
3	16QAM	1	14	16.14	16.24	16.30	18.10
3	16QAM	8	0	16.17	16.30	16.19	18.10
3	16QAM	8	4	16.23	16.29	16.16	18.10
3	16QAM	8	7	16.20	16.28	16.26	18.10
3	16QAM	15	0	16.24	16.31	16.19	18.10
3	64QAM	1	0	16.35	16.29	16.16	18.10
3	64QAM	1	8	16.32	16.35	16.20	18.10
3	64QAM	1	14	16.26	16.30	16.19	18.10
3	64QAM	8	0	16.29	16.16	16.24	18.10
3	64QAM	8	4	16.22	16.35	16.15	18.10
3	64QAM	8	7	16.17	16.24	16.19	18.10
3	64QAM	15	0	16.18	16.33	16.25	18.10
3	256QAM	1	0	16.26	16.31	16.26	18.10
3	256QAM	1	8	16.33	16.25	16.21	18.10
3	256QAM	1	14	16.11	16.31	16.19	18.10
3	256QAM	8	0	16.32	16.25	16.13	18.10
3	256QAM	8	4	16.31	16.23	16.11	18.10
3	256QAM	8	7	16.28	16.22	16.15	18.10
3	256QAM	15	0	16.21	16.18	16.19	18.10
Channel				19957	20175	20393	Tune-up limit

Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	16.40	16.38	16.41	18.10
1.4	QPSK	1	3	16.19	16.21	16.19	18.10
1.4	QPSK	1	5	16.25	16.14	16.21	18.10
1.4	QPSK	3	0	16.20	16.39	16.19	18.10
1.4	QPSK	3	1	16.14	16.24	16.31	18.10
1.4	QPSK	3	3	16.35	16.23	16.24	18.10
1.4	QPSK	6	0	16.20	16.30	16.15	18.10
1.4	16QAM	1	0	16.33	16.36	16.26	18.10
1.4	16QAM	1	3	16.34	16.29	16.27	18.10
1.4	16QAM	1	5	16.22	16.24	16.34	18.10
1.4	16QAM	3	0	16.22	16.28	16.20	18.10
1.4	16QAM	3	1	16.27	16.26	16.12	18.10
1.4	16QAM	3	3	16.26	16.24	16.37	18.10
1.4	16QAM	6	0	16.26	16.22	16.20	18.10
1.4	64QAM	1	0	16.26	16.26	16.11	18.10
1.4	64QAM	1	3	16.25	16.26	16.25	18.10
1.4	64QAM	1	5	16.21	16.28	16.23	18.10
1.4	64QAM	3	0	16.20	16.17	16.30	18.10
1.4	64QAM	3	1	16.17	16.40	16.10	18.10
1.4	64QAM	3	3	16.17	16.31	16.13	18.10
1.4	64QAM	6	0	16.22	16.35	16.24	18.10
1.4	256QAM	1	0	16.34	16.29	16.26	18.10
1.4	256QAM	1	3	16.25	16.23	16.20	18.10
1.4	256QAM	1	5	16.18	16.23	16.25	18.10
1.4	256QAM	3	0	16.28	16.31	16.11	18.10
1.4	256QAM	3	1	16.34	16.24	16.12	18.10
1.4	256QAM	3	3	16.36	16.16	16.18	18.10
1.4	256QAM	6	0	16.33	16.16	16.24	18.10

【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	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.90	22.92	22.68	24.00
10	QPSK	1	25	22.66	22.70	22.33	24.00
10	QPSK	1	49	22.62	22.74	22.36	24.00
10	QPSK	25	0	21.76	21.82	21.77	23.00
10	QPSK	25	12	21.72	21.77	21.47	23.00
10	QPSK	25	25	21.60	21.74	21.41	23.00
10	QPSK	50	0	21.69	21.75	21.39	23.00
10	16QAM	1	0	21.80	21.92	21.60	23.00
10	16QAM	1	25	21.69	21.82	21.52	23.00
10	16QAM	1	49	21.65	21.80	21.45	23.00
10	16QAM	25	0	20.71	20.76	20.53	22.00
10	16QAM	25	12	20.72	20.78	20.48	22.00
10	16QAM	25	25	20.77	20.82	20.54	22.00
10	16QAM	50	0	20.65	20.82	20.56	22.00
10	64QAM	1	0	20.84	20.92	20.59	22.00
10	64QAM	1	25	20.94	20.97	20.64	22.00
10	64QAM	1	49	20.71	20.81	20.54	22.00
10	64QAM	25	0	19.55	19.71	19.40	21.00
10	64QAM	25	12	19.69	19.74	19.52	21.00
10	64QAM	25	25	19.66	19.82	19.51	21.00
10	64QAM	50	0	19.58	19.72	19.48	21.00
10	256QAM	1	0	17.75	17.82	17.52	19.00
10	256QAM	1	25	17.82	17.90	17.68	19.00
10	256QAM	1	49	17.52	17.61	17.33	19.00
10	256QAM	25	0	17.67	17.72	17.46	19.00
10	256QAM	25	12	17.73	17.78	17.47	19.00
10	256QAM	25	25	17.55	17.70	17.43	19.00
10	256QAM	50	0	17.62	17.77	17.51	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.82	22.87	22.58	24.00
5	QPSK	1	12	22.57	22.56	22.24	24.00
5	QPSK	1	24	22.49	22.65	22.31	24.00
5	QPSK	12	0	21.73	21.71	21.72	23.00
5	QPSK	12	7	21.66	21.65	21.39	23.00
5	QPSK	12	13	21.49	21.67	21.28	23.00
5	QPSK	25	0	21.56	21.66	21.37	23.00



FCC SAR Test Report

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5	16QAM	1	0	21.70	21.84	21.57	23.00
5	16QAM	1	12	21.54	21.74	21.46	23.00
5	16QAM	1	24	21.58	21.78	21.36	23.00
5	16QAM	12	0	20.60	20.73	20.47	22.00
5	16QAM	12	7	20.60	20.68	20.35	22.00
5	16QAM	12	13	20.74	20.69	20.43	22.00
5	16QAM	25	0	20.62	20.76	20.48	22.00
5	64QAM	1	0	20.80	20.78	20.52	22.00
5	64QAM	1	12	20.82	20.90	20.56	22.00
5	64QAM	1	24	20.67	20.75	20.46	22.00
5	64QAM	12	0	19.47	19.64	19.33	21.00
5	64QAM	12	7	19.68	19.72	19.46	21.00
5	64QAM	12	13	19.56	19.80	19.41	21.00
5	64QAM	25	0	19.53	19.61	19.45	21.00
5	256QAM	1	0	17.65	17.74	17.46	19.00
5	256QAM	1	12	17.76	17.84	17.66	19.00
5	256QAM	1	24	17.47	17.49	17.29	19.00
5	256QAM	12	0	17.52	17.60	17.42	19.00
5	256QAM	12	7	17.59	17.65	17.35	19.00
5	256QAM	12	13	17.40	17.65	17.35	19.00
5	256QAM	25	0	17.59	17.71	17.45	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.84	22.89	22.55	24.00
3	QPSK	1	8	22.64	22.68	22.24	24.00
3	QPSK	1	14	22.59	22.68	22.31	24.00
3	QPSK	8	0	21.63	21.74	21.73	23.00
3	QPSK	8	4	21.65	21.75	21.37	23.00
3	QPSK	8	7	21.53	21.70	21.36	23.00
3	QPSK	15	0	21.60	21.69	21.35	23.00
3	16QAM	1	0	21.76	21.83	21.57	23.00
3	16QAM	1	8	21.67	21.69	21.44	23.00
3	16QAM	1	14	21.55	21.78	21.36	23.00
3	16QAM	8	0	20.66	20.63	20.40	22.00
3	16QAM	8	4	20.60	20.65	20.36	22.00
3	16QAM	8	7	20.63	20.73	20.52	22.00
3	16QAM	15	0	20.60	20.68	20.54	22.00
3	64QAM	1	0	20.82	20.88	20.45	22.00
3	64QAM	1	8	20.88	20.95	20.58	22.00
3	64QAM	1	14	20.59	20.71	20.53	22.00
3	64QAM	8	0	19.49	19.69	19.26	21.00
3	64QAM	8	4	19.59	19.64	19.46	21.00
3	64QAM	8	7	19.53	19.75	19.40	21.00
3	64QAM	15	0	19.54	19.60	19.39	21.00
3	256QAM	1	0	17.63	17.72	17.39	19.00
3	256QAM	1	8	17.72	17.83	17.56	19.00
3	256QAM	1	14	17.44	17.55	17.22	19.00
3	256QAM	8	0	17.52	17.58	17.45	19.00
3	256QAM	8	4	17.70	17.70	17.44	19.00
3	256QAM	8	7	17.54	17.59	17.41	19.00
3	256QAM	15	0	17.53	17.67	17.43	19.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	22.76	22.81	22.63	24.00
1.4	QPSK	1	3	22.53	22.59	22.22	24.00
1.4	QPSK	1	5	22.58	22.73	22.32	24.00
1.4	QPSK	3	0	22.70	22.80	22.70	24.00
1.4	QPSK	3	1	22.60	22.67	22.45	24.00
1.4	QPSK	3	3	22.59	22.66	22.35	24.00
1.4	QPSK	6	0	21.56	21.64	21.34	23.00
1.4	16QAM	1	0	21.73	21.79	21.45	23.00
1.4	16QAM	1	3	21.59	21.71	21.40	23.00
1.4	16QAM	1	5	21.60	21.74	21.43	23.00
1.4	16QAM	3	0	21.66	21.73	21.40	23.00
1.4	16QAM	3	1	21.64	21.66	21.35	23.00
1.4	16QAM	3	3	21.63	21.75	21.41	23.00
1.4	16QAM	6	0	20.62	20.72	20.48	22.00
1.4	64QAM	1	0	20.73	20.82	20.53	22.00
1.4	64QAM	1	3	20.82	20.95	20.54	22.00
1.4	64QAM	1	5	20.59	20.69	20.47	22.00
1.4	64QAM	3	0	20.46	20.65	20.39	22.00
1.4	64QAM	3	1	20.55	20.60	20.48	22.00
1.4	64QAM	3	3	20.57	20.78	20.42	22.00
1.4	64QAM	6	0	19.45	19.60	19.45	21.00
1.4	256QAM	1	0	17.70	17.73	17.47	19.00
1.4	256QAM	1	3	17.74	17.78	17.64	19.00
1.4	256QAM	1	5	17.43	17.51	17.25	19.00
1.4	256QAM	3	0	17.56	17.61	17.43	19.00



1.4	256QAM	3	1	17.66	17.76	17.39	19.00
1.4	256QAM	3	3	17.40	17.69	17.37	19.00
1.4	256QAM	6	0	17.59	17.72	17.46	19.00

【LTE Band 5_Ant 0_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.90	22.92	22.68	24.00
10	QPSK	1	25	22.66	22.70	22.33	24.00
10	QPSK	1	49	22.62	22.74	22.36	24.00
10	QPSK	25	0	21.76	21.82	21.77	23.00
10	QPSK	25	12	21.72	21.77	21.47	23.00
10	QPSK	25	25	21.60	21.74	21.41	23.00
10	QPSK	50	0	21.69	21.75	21.39	23.00
10	16QAM	1	0	21.80	21.92	21.60	23.00
10	16QAM	1	25	21.69	21.82	21.52	23.00
10	16QAM	1	49	21.65	21.80	21.45	23.00
10	16QAM	25	0	20.71	20.76	20.53	22.00
10	16QAM	25	12	20.72	20.78	20.48	22.00
10	16QAM	25	25	20.77	20.82	20.54	22.00
10	16QAM	50	0	20.65	20.82	20.56	22.00
10	64QAM	1	0	20.84	20.92	20.59	22.00
10	64QAM	1	25	20.94	20.97	20.64	22.00
10	64QAM	1	49	20.71	20.81	20.54	22.00
10	64QAM	25	0	19.55	19.71	19.40	21.00
10	64QAM	25	12	19.69	19.74	19.52	21.00
10	64QAM	25	25	19.66	19.82	19.51	21.00
10	64QAM	50	0	19.58	19.72	19.48	21.00
10	256QAM	1	0	17.75	17.82	17.52	19.00
10	256QAM	1	25	17.82	17.90	17.68	19.00
10	256QAM	1	49	17.52	17.61	17.33	19.00
10	256QAM	25	0	17.67	17.72	17.46	19.00
10	256QAM	25	12	17.73	17.78	17.47	19.00
10	256QAM	25	25	17.55	17.70	17.43	19.00
10	256QAM	50	0	17.62	17.77	17.51	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.82	22.87	22.58	24.00
5	QPSK	1	12	22.57	22.56	22.24	24.00
5	QPSK	1	24	22.49	22.65	22.31	24.00
5	QPSK	12	0	21.73	21.71	21.72	23.00
5	QPSK	12	7	21.66	21.65	21.39	23.00
5	QPSK	12	13	21.49	21.67	21.28	23.00
5	QPSK	25	0	21.56	21.66	21.37	23.00
5	16QAM	1	0	21.70	21.84	21.57	23.00
5	16QAM	1	12	21.54	21.74	21.46	23.00
5	16QAM	1	24	21.58	21.78	21.36	23.00
5	16QAM	12	0	20.60	20.73	20.47	22.00
5	16QAM	12	7	20.60	20.68	20.35	22.00
5	16QAM	12	13	20.74	20.69	20.43	22.00
5	16QAM	25	0	20.62	20.76	20.48	22.00
5	64QAM	1	0	20.80	20.78	20.52	22.00
5	64QAM	1	12	20.82	20.90	20.56	22.00
5	64QAM	1	24	20.67	20.75	20.46	22.00
5	64QAM	12	0	19.47	19.64	19.33	21.00
5	64QAM	12	7	19.68	19.72	19.46	21.00
5	64QAM	12	13	19.56	19.80	19.41	21.00
5	64QAM	25	0	19.53	19.61	19.45	21.00
5	256QAM	1	0	17.65	17.74	17.46	19.00
5	256QAM	1	12	17.76	17.84	17.66	19.00
5	256QAM	1	24	17.47	17.49	17.29	19.00
5	256QAM	12	0	17.52	17.60	17.42	19.00
5	256QAM	12	7	17.59	17.65	17.35	19.00
5	256QAM	12	13	17.40	17.65	17.35	19.00
5	256QAM	25	0	17.59	17.71	17.45	19.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.84	22.89	22.55	24.00
3	QPSK	1	8	22.64	22.68	22.24	24.00
3	QPSK	1	14	22.59	22.68	22.31	24.00

3	QPSK	8	0	21.63	21.74	21.73	23.00
3	QPSK	8	4	21.65	21.75	21.37	23.00
3	QPSK	8	7	21.53	21.70	21.36	23.00
3	QPSK	15	0	21.60	21.69	21.35	23.00
3	16QAM	1	0	21.76	21.83	21.57	23.00
3	16QAM	1	8	21.67	21.69	21.44	23.00
3	16QAM	1	14	21.55	21.78	21.36	23.00
3	16QAM	8	0	20.66	20.63	20.40	22.00
3	16QAM	8	4	20.60	20.65	20.36	22.00
3	16QAM	8	7	20.63	20.73	20.52	22.00
3	16QAM	15	0	20.60	20.68	20.54	22.00
3	64QAM	1	0	20.82	20.88	20.45	22.00
3	64QAM	1	8	20.88	20.95	20.58	22.00
3	64QAM	1	14	20.59	20.71	20.53	22.00
3	64QAM	8	0	19.49	19.69	19.26	21.00
3	64QAM	8	4	19.59	19.64	19.46	21.00
3	64QAM	8	7	19.53	19.75	19.40	21.00
3	64QAM	15	0	19.54	19.60	19.39	21.00
3	256QAM	1	0	17.63	17.72	17.39	19.00
3	256QAM	1	8	17.72	17.83	17.56	19.00
3	256QAM	1	14	17.44	17.55	17.22	19.00
3	256QAM	8	0	17.52	17.58	17.45	19.00
3	256QAM	8	4	17.70	17.70	17.44	19.00
3	256QAM	8	7	17.54	17.59	17.41	19.00
3	256QAM	15	0	17.53	17.67	17.43	19.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.76	22.81	22.63	24.00
1.4	QPSK	1	3	22.53	22.59	22.22	24.00
1.4	QPSK	1	5	22.58	22.73	22.32	24.00
1.4	QPSK	3	0	22.70	22.80	22.70	24.00
1.4	QPSK	3	1	22.60	22.67	22.45	24.00
1.4	QPSK	3	3	22.59	22.66	22.35	24.00
1.4	QPSK	6	0	21.56	21.64	21.34	23.00
1.4	16QAM	1	0	21.73	21.79	21.45	23.00
1.4	16QAM	1	3	21.59	21.71	21.40	23.00
1.4	16QAM	1	5	21.60	21.74	21.43	23.00
1.4	16QAM	3	0	21.66	21.73	21.40	23.00
1.4	16QAM	3	1	21.64	21.66	21.35	23.00
1.4	16QAM	3	3	21.63	21.75	21.41	23.00
1.4	16QAM	6	0	20.62	20.72	20.48	22.00
1.4	64QAM	1	0	20.73	20.82	20.53	22.00
1.4	64QAM	1	3	20.82	20.95	20.54	22.00
1.4	64QAM	1	5	20.59	20.69	20.47	22.00
1.4	64QAM	3	0	20.46	20.65	20.39	22.00
1.4	64QAM	3	1	20.55	20.60	20.48	22.00
1.4	64QAM	3	3	20.57	20.78	20.42	22.00
1.4	64QAM	6	0	19.45	19.60	19.45	21.00
1.4	256QAM	1	0	17.70	17.73	17.47	19.00
1.4	256QAM	1	3	17.74	17.78	17.64	19.00
1.4	256QAM	1	5	17.43	17.51	17.25	19.00
1.4	256QAM	3	0	17.56	17.61	17.43	19.00
1.4	256QAM	3	1	17.66	17.76	17.39	19.00
1.4	256QAM	3	3	17.40	17.69	17.37	19.00
1.4	256QAM	6	0	17.59	17.72	17.46	19.00

【LTE Band 5_Ant 0_DSI 3】

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	22.90	22.92	22.68	24.00
10	QPSK	1	25	22.66	22.70	22.33	24.00
10	QPSK	1	49	22.62	22.74	22.36	24.00
10	QPSK	25	0	21.76	21.82	21.77	23.00
10	QPSK	25	12	21.72	21.77	21.47	23.00
10	QPSK	25	25	21.60	21.74	21.41	23.00
10	QPSK	50	0	21.69	21.75	21.39	23.00
10	16QAM	1	0	21.80	21.92	21.60	23.00
10	16QAM	1	25	21.69	21.82	21.52	23.00
10	16QAM	1	49	21.65	21.80	21.45	23.00
10	16QAM	25	0	20.71	20.76	20.53	22.00



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10	16QAM	25	12	20.72	20.78	20.48	22.00
10	16QAM	25	25	20.77	20.82	20.54	22.00
10	16QAM	50	0	20.65	20.82	20.56	22.00
10	64QAM	1	0	20.84	20.92	20.59	22.00
10	64QAM	1	25	20.94	20.97	20.64	22.00
10	64QAM	1	49	20.71	20.81	20.54	22.00
10	64QAM	25	0	19.55	19.71	19.40	21.00
10	64QAM	25	12	19.69	19.74	19.52	21.00
10	64QAM	25	25	19.66	19.82	19.51	21.00
10	64QAM	50	0	19.58	19.72	19.48	21.00
10	256QAM	1	0	17.75	17.82	17.52	19.00
10	256QAM	1	25	17.82	17.90	17.68	19.00
10	256QAM	1	49	17.52	17.61	17.33	19.00
10	256QAM	25	0	17.67	17.72	17.46	19.00
10	256QAM	25	12	17.73	17.78	17.47	19.00
10	256QAM	25	25	17.55	17.70	17.43	19.00
10	256QAM	50	0	17.62	17.77	17.51	19.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	22.82	22.87	22.58	24.00
5	QPSK	1	12	22.57	22.56	22.24	24.00
5	QPSK	1	24	22.49	22.65	22.31	24.00
5	QPSK	12	0	21.73	21.71	21.72	23.00
5	QPSK	12	7	21.66	21.65	21.39	23.00
5	QPSK	12	13	21.49	21.67	21.28	23.00
5	QPSK	25	0	21.56	21.66	21.37	23.00
5	16QAM	1	0	21.70	21.84	21.57	23.00
5	16QAM	1	12	21.54	21.74	21.46	23.00
5	16QAM	1	24	21.58	21.78	21.36	23.00
5	16QAM	12	0	20.60	20.73	20.47	22.00
5	16QAM	12	7	20.60	20.68	20.35	22.00
5	16QAM	12	13	20.74	20.69	20.43	22.00
5	16QAM	25	0	20.62	20.76	20.48	22.00
5	64QAM	1	0	20.80	20.78	20.52	22.00
5	64QAM	1	12	20.82	20.90	20.56	22.00
5	64QAM	1	24	20.67	20.75	20.46	22.00
5	64QAM	12	0	19.47	19.64	19.33	21.00
5	64QAM	12	7	19.68	19.72	19.46	21.00
5	64QAM	12	13	19.56	19.80	19.41	21.00
5	64QAM	25	0	19.53	19.61	19.45	21.00
5	256QAM	1	0	17.65	17.74	17.46	19.00
5	256QAM	1	12	17.76	17.84	17.66	19.00
5	256QAM	1	24	17.47	17.49	17.29	19.00
5	256QAM	12	0	17.52	17.60	17.42	19.00
5	256QAM	12	7	17.59	17.65	17.35	19.00
5	256QAM	12	13	17.40	17.65	17.35	19.00
5	256QAM	25	0	17.59	17.71	17.45	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.84	22.89	22.55	24.00
3	QPSK	1	8	22.64	22.68	22.24	24.00
3	QPSK	1	14	22.59	22.68	22.31	24.00
3	QPSK	8	0	21.63	21.74	21.73	23.00
3	QPSK	8	4	21.65	21.75	21.37	23.00
3	QPSK	8	7	21.53	21.70	21.36	23.00
3	QPSK	15	0	21.60	21.69	21.35	23.00
3	16QAM	1	0	21.76	21.83	21.57	23.00
3	16QAM	1	8	21.67	21.69	21.44	23.00
3	16QAM	1	14	21.55	21.78	21.36	23.00
3	16QAM	8	0	20.66	20.63	20.40	22.00
3	16QAM	8	4	20.60	20.65	20.36	22.00
3	16QAM	8	7	20.63	20.73	20.52	22.00
3	16QAM	15	0	20.60	20.68	20.54	22.00
3	64QAM	1	0	20.82	20.88	20.45	22.00
3	64QAM	1	8	20.88	20.95	20.58	22.00
3	64QAM	1	14	20.59	20.71	20.53	22.00
3	64QAM	8	0	19.49	19.69	19.26	21.00
3	64QAM	8	4	19.59	19.64	19.46	21.00
3	64QAM	8	7	19.53	19.75	19.40	21.00
3	64QAM	15	0	19.54	19.60	19.39	21.00
3	256QAM	1	0	17.63	17.72	17.39	19.00
3	256QAM	1	8	17.72	17.83	17.56	19.00
3	256QAM	1	14	17.44	17.55	17.22	19.00
3	256QAM	8	0	17.52	17.58	17.45	19.00
3	256QAM	8	4	17.70	17.70	17.44	19.00
3	256QAM	8	7	17.54	17.59	17.41	19.00
3	256QAM	15	0	17.53	17.67	17.43	19.00
Channel				20407	20525	20643	Tune-up limit



Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	22.76	22.81	22.63	24.00
1.4	QPSK	1	3	22.53	22.59	22.22	24.00
1.4	QPSK	1	5	22.58	22.73	22.32	24.00
1.4	QPSK	3	0	22.70	22.80	22.70	24.00
1.4	QPSK	3	1	22.60	22.67	22.45	24.00
1.4	QPSK	3	3	22.59	22.66	22.35	24.00
1.4	QPSK	6	0	21.56	21.64	21.34	23.00
1.4	16QAM	1	0	21.73	21.79	21.45	23.00
1.4	16QAM	1	3	21.59	21.71	21.40	23.00
1.4	16QAM	1	5	21.60	21.74	21.43	23.00
1.4	16QAM	3	0	21.66	21.73	21.40	23.00
1.4	16QAM	3	1	21.64	21.66	21.35	23.00
1.4	16QAM	3	3	21.63	21.75	21.41	23.00
1.4	16QAM	6	0	20.62	20.72	20.48	22.00
1.4	64QAM	1	0	20.73	20.82	20.53	22.00
1.4	64QAM	1	3	20.82	20.95	20.54	22.00
1.4	64QAM	1	5	20.59	20.69	20.47	22.00
1.4	64QAM	3	0	20.46	20.65	20.39	22.00
1.4	64QAM	3	1	20.55	20.60	20.48	22.00
1.4	64QAM	3	3	20.57	20.78	20.42	22.00
1.4	64QAM	6	0	19.45	19.60	19.45	21.00
1.4	256QAM	1	0	17.70	17.73	17.47	19.00
1.4	256QAM	1	3	17.74	17.78	17.64	19.00
1.4	256QAM	1	5	17.43	17.51	17.25	19.00
1.4	256QAM	3	0	17.56	17.61	17.43	19.00
1.4	256QAM	3	1	17.66	17.76	17.39	19.00
1.4	256QAM	3	3	17.40	17.69	17.37	19.00
1.4	256QAM	6	0	17.59	17.72	17.46	19.00

【LTE Band 5_Ant 0_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.90	22.92	22.68	24.00
10	QPSK	1	25	22.66	22.70	22.33	24.00
10	QPSK	1	49	22.62	22.74	22.36	24.00
10	QPSK	25	0	21.76	21.82	21.77	23.00
10	QPSK	25	12	21.72	21.77	21.47	23.00
10	QPSK	25	25	21.60	21.74	21.41	23.00
10	QPSK	50	0	21.69	21.75	21.39	23.00
10	16QAM	1	0	21.80	21.92	21.60	23.00
10	16QAM	1	25	21.69	21.82	21.52	23.00
10	16QAM	1	49	21.65	21.80	21.45	23.00
10	16QAM	25	0	20.71	20.76	20.53	22.00
10	16QAM	25	12	20.72	20.78	20.48	22.00
10	16QAM	25	25	20.77	20.82	20.54	22.00
10	16QAM	50	0	20.65	20.82	20.56	22.00
10	64QAM	1	0	20.84	20.92	20.59	22.00
10	64QAM	1	25	20.94	20.97	20.64	22.00
10	64QAM	1	49	20.71	20.81	20.54	22.00
10	64QAM	25	0	19.55	19.71	19.40	21.00
10	64QAM	25	12	19.69	19.74	19.52	21.00
10	64QAM	25	25	19.66	19.82	19.51	21.00
10	64QAM	50	0	19.58	19.72	19.48	21.00
10	256QAM	1	0	17.75	17.82	17.52	19.00
10	256QAM	1	25	17.82	17.90	17.68	19.00
10	256QAM	1	49	17.52	17.61	17.33	19.00
10	256QAM	25	0	17.67	17.72	17.46	19.00
10	256QAM	25	12	17.73	17.78	17.47	19.00
10	256QAM	25	25	17.55	17.70	17.43	19.00
10	256QAM	50	0	17.62	17.77	17.51	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.82	22.87	22.58	24.00
5	QPSK	1	12	22.57	22.56	22.24	24.00
5	QPSK	1	24	22.49	22.65	22.31	24.00
5	QPSK	12	0	21.73	21.71	21.72	23.00
5	QPSK	12	7	21.66	21.65	21.39	23.00
5	QPSK	12	13	21.49	21.67	21.28	23.00
5	QPSK	25	0	21.56	21.66	21.37	23.00



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5	16QAM	1	0	21.70	21.84	21.57	23.00
5	16QAM	1	12	21.54	21.74	21.46	23.00
5	16QAM	1	24	21.58	21.78	21.36	23.00
5	16QAM	12	0	20.60	20.73	20.47	22.00
5	16QAM	12	7	20.60	20.68	20.35	22.00
5	16QAM	12	13	20.74	20.69	20.43	22.00
5	16QAM	25	0	20.62	20.76	20.48	22.00
5	64QAM	1	0	20.80	20.78	20.52	22.00
5	64QAM	1	12	20.82	20.90	20.56	22.00
5	64QAM	1	24	20.67	20.75	20.46	22.00
5	64QAM	12	0	19.47	19.64	19.33	21.00
5	64QAM	12	7	19.68	19.72	19.46	21.00
5	64QAM	12	13	19.56	19.80	19.41	21.00
5	64QAM	25	0	19.53	19.61	19.45	21.00
5	256QAM	1	0	17.65	17.74	17.46	19.00
5	256QAM	1	12	17.76	17.84	17.66	19.00
5	256QAM	1	24	17.47	17.49	17.29	19.00
5	256QAM	12	0	17.52	17.60	17.42	19.00
5	256QAM	12	7	17.59	17.65	17.35	19.00
5	256QAM	12	13	17.40	17.65	17.35	19.00
5	256QAM	25	0	17.59	17.71	17.45	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.84	22.89	22.55	24.00
3	QPSK	1	8	22.64	22.68	22.24	24.00
3	QPSK	1	14	22.59	22.68	22.31	24.00
3	QPSK	8	0	21.63	21.74	21.73	23.00
3	QPSK	8	4	21.65	21.75	21.37	23.00
3	QPSK	8	7	21.53	21.70	21.36	23.00
3	QPSK	15	0	21.60	21.69	21.35	23.00
3	16QAM	1	0	21.76	21.83	21.57	23.00
3	16QAM	1	8	21.67	21.69	21.44	23.00
3	16QAM	1	14	21.55	21.78	21.36	23.00
3	16QAM	8	0	20.66	20.63	20.40	22.00
3	16QAM	8	4	20.60	20.65	20.36	22.00
3	16QAM	8	7	20.63	20.73	20.52	22.00
3	16QAM	15	0	20.60	20.68	20.54	22.00
3	64QAM	1	0	20.82	20.88	20.45	22.00
3	64QAM	1	8	20.88	20.95	20.58	22.00
3	64QAM	1	14	20.59	20.71	20.53	22.00
3	64QAM	8	0	19.49	19.69	19.26	21.00
3	64QAM	8	4	19.59	19.64	19.46	21.00
3	64QAM	8	7	19.53	19.75	19.40	21.00
3	64QAM	15	0	19.54	19.60	19.39	21.00
3	256QAM	1	0	17.63	17.72	17.39	19.00
3	256QAM	1	8	17.72	17.83	17.56	19.00
3	256QAM	1	14	17.44	17.55	17.22	19.00
3	256QAM	8	0	17.52	17.58	17.45	19.00
3	256QAM	8	4	17.70	17.70	17.44	19.00
3	256QAM	8	7	17.54	17.59	17.41	19.00
3	256QAM	15	0	17.53	17.67	17.43	19.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	22.76	22.81	22.63	24.00
1.4	QPSK	1	3	22.53	22.59	22.22	24.00
1.4	QPSK	1	5	22.58	22.73	22.32	24.00
1.4	QPSK	3	0	22.70	22.80	22.70	24.00
1.4	QPSK	3	1	22.60	22.67	22.45	24.00
1.4	QPSK	3	3	22.59	22.66	22.35	24.00
1.4	QPSK	6	0	21.56	21.64	21.34	23.00
1.4	16QAM	1	0	21.73	21.79	21.45	23.00
1.4	16QAM	1	3	21.59	21.71	21.40	23.00
1.4	16QAM	1	5	21.60	21.74	21.43	23.00
1.4	16QAM	3	0	21.66	21.73	21.40	23.00
1.4	16QAM	3	1	21.64	21.66	21.35	23.00
1.4	16QAM	3	3	21.63	21.75	21.41	23.00
1.4	16QAM	6	0	20.62	20.72	20.48	22.00
1.4	64QAM	1	0	20.73	20.82	20.53	22.00
1.4	64QAM	1	3	20.82	20.95	20.54	22.00
1.4	64QAM	1	5	20.59	20.69	20.47	22.00
1.4	64QAM	3	0	20.46	20.65	20.39	22.00
1.4	64QAM	3	1	20.55	20.60	20.48	22.00
1.4	64QAM	3	3	20.57	20.78	20.42	22.00
1.4	64QAM	6	0	19.45	19.60	19.45	21.00
1.4	256QAM	1	0	17.70	17.73	17.47	19.00
1.4	256QAM	1	3	17.74	17.78	17.64	19.00
1.4	256QAM	1	5	17.43	17.51	17.25	19.00
1.4	256QAM	3	0	17.56	17.61	17.43	19.00



1.4	256QAM	3	1	17.66	17.76	17.39	19.00
1.4	256QAM	3	3	17.40	17.69	17.37	19.00
1.4	256QAM	6	0	17.59	17.72	17.46	19.00

【LTE Band 5_Ant 0_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.90	22.92	22.68	24.00
10	QPSK	1	25	22.66	22.70	22.33	24.00
10	QPSK	1	49	22.62	22.74	22.36	24.00
10	QPSK	25	0	21.76	21.82	21.77	23.00
10	QPSK	25	12	21.72	21.77	21.47	23.00
10	QPSK	25	25	21.60	21.74	21.41	23.00
10	QPSK	50	0	21.69	21.75	21.39	23.00
10	16QAM	1	0	21.80	21.92	21.60	23.00
10	16QAM	1	25	21.69	21.82	21.52	23.00
10	16QAM	1	49	21.65	21.80	21.45	23.00
10	16QAM	25	0	20.71	20.76	20.53	22.00
10	16QAM	25	12	20.72	20.78	20.48	22.00
10	16QAM	25	25	20.77	20.82	20.54	22.00
10	16QAM	50	0	20.65	20.82	20.56	22.00
10	64QAM	1	0	20.84	20.92	20.59	22.00
10	64QAM	1	25	20.94	20.97	20.64	22.00
10	64QAM	1	49	20.71	20.81	20.54	22.00
10	64QAM	25	0	19.55	19.71	19.40	21.00
10	64QAM	25	12	19.69	19.74	19.52	21.00
10	64QAM	25	25	19.66	19.82	19.51	21.00
10	64QAM	50	0	19.58	19.72	19.48	21.00
10	256QAM	1	0	17.75	17.82	17.52	19.00
10	256QAM	1	25	17.82	17.90	17.68	19.00
10	256QAM	1	49	17.52	17.61	17.33	19.00
10	256QAM	25	0	17.67	17.72	17.46	19.00
10	256QAM	25	12	17.73	17.78	17.47	19.00
10	256QAM	25	25	17.55	17.70	17.43	19.00
10	256QAM	50	0	17.62	17.77	17.51	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.82	22.87	22.58	24.00
5	QPSK	1	12	22.57	22.56	22.24	24.00
5	QPSK	1	24	22.49	22.65	22.31	24.00
5	QPSK	12	0	21.73	21.71	21.72	23.00
5	QPSK	12	7	21.66	21.65	21.39	23.00
5	QPSK	12	13	21.49	21.67	21.28	23.00
5	QPSK	25	0	21.56	21.66	21.37	23.00
5	16QAM	1	0	21.70	21.84	21.57	23.00
5	16QAM	1	12	21.54	21.74	21.46	23.00
5	16QAM	1	24	21.58	21.78	21.36	23.00
5	16QAM	12	0	20.60	20.73	20.47	22.00
5	16QAM	12	7	20.60	20.68	20.35	22.00
5	16QAM	12	13	20.74	20.69	20.43	22.00
5	16QAM	25	0	20.62	20.76	20.48	22.00
5	64QAM	1	0	20.80	20.78	20.52	22.00
5	64QAM	1	12	20.82	20.90	20.56	22.00
5	64QAM	1	24	20.67	20.75	20.46	22.00
5	64QAM	12	0	19.47	19.64	19.33	21.00
5	64QAM	12	7	19.68	19.72	19.46	21.00
5	64QAM	12	13	19.56	19.80	19.41	21.00
5	64QAM	25	0	19.53	19.61	19.45	21.00
5	256QAM	1	0	17.65	17.74	17.46	19.00
5	256QAM	1	12	17.76	17.84	17.66	19.00
5	256QAM	1	24	17.47	17.49	17.29	19.00
5	256QAM	12	0	17.52	17.60	17.42	19.00
5	256QAM	12	7	17.59	17.65	17.35	19.00
5	256QAM	12	13	17.40	17.65	17.35	19.00
5	256QAM	25	0	17.59	17.71	17.45	19.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.84	22.89	22.55	24.00
3	QPSK	1	8	22.64	22.68	22.24	24.00
3	QPSK	1	14	22.59	22.68	22.31	24.00



3	QPSK	8	0	21.63	21.74	21.73	23.00
3	QPSK	8	4	21.65	21.75	21.37	23.00
3	QPSK	8	7	21.53	21.70	21.36	23.00
3	QPSK	15	0	21.60	21.69	21.35	23.00
3	16QAM	1	0	21.76	21.83	21.57	23.00
3	16QAM	1	8	21.67	21.69	21.44	23.00
3	16QAM	1	14	21.55	21.78	21.36	23.00
3	16QAM	8	0	20.66	20.63	20.40	22.00
3	16QAM	8	4	20.60	20.65	20.36	22.00
3	16QAM	8	7	20.63	20.73	20.52	22.00
3	16QAM	15	0	20.60	20.68	20.54	22.00
3	64QAM	1	0	20.82	20.88	20.45	22.00
3	64QAM	1	8	20.88	20.95	20.58	22.00
3	64QAM	1	14	20.59	20.71	20.53	22.00
3	64QAM	8	0	19.49	19.69	19.26	21.00
3	64QAM	8	4	19.59	19.64	19.46	21.00
3	64QAM	8	7	19.53	19.75	19.40	21.00
3	64QAM	15	0	19.54	19.60	19.39	21.00
3	256QAM	1	0	17.63	17.72	17.39	19.00
3	256QAM	1	8	17.72	17.83	17.56	19.00
3	256QAM	1	14	17.44	17.55	17.22	19.00
3	256QAM	8	0	17.52	17.58	17.45	19.00
3	256QAM	8	4	17.70	17.70	17.44	19.00
3	256QAM	8	7	17.54	17.59	17.41	19.00
3	256QAM	15	0	17.53	17.67	17.43	19.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.76	22.81	22.63	24.00
1.4	QPSK	1	3	22.53	22.59	22.22	24.00
1.4	QPSK	1	5	22.58	22.73	22.32	24.00
1.4	QPSK	3	0	22.70	22.80	22.70	24.00
1.4	QPSK	3	1	22.60	22.67	22.45	24.00
1.4	QPSK	3	3	22.59	22.66	22.35	24.00
1.4	QPSK	6	0	21.56	21.64	21.34	23.00
1.4	16QAM	1	0	21.73	21.79	21.45	23.00
1.4	16QAM	1	3	21.59	21.71	21.40	23.00
1.4	16QAM	1	5	21.60	21.74	21.43	23.00
1.4	16QAM	3	0	21.66	21.73	21.40	23.00
1.4	16QAM	3	1	21.64	21.66	21.35	23.00
1.4	16QAM	3	3	21.63	21.75	21.41	23.00
1.4	16QAM	6	0	20.62	20.72	20.48	22.00
1.4	64QAM	1	0	20.73	20.82	20.53	22.00
1.4	64QAM	1	3	20.82	20.95	20.54	22.00
1.4	64QAM	1	5	20.59	20.69	20.47	22.00
1.4	64QAM	3	0	20.46	20.65	20.39	22.00
1.4	64QAM	3	1	20.55	20.60	20.48	22.00
1.4	64QAM	3	3	20.57	20.78	20.42	22.00
1.4	64QAM	6	0	19.45	19.60	19.45	21.00
1.4	256QAM	1	0	17.70	17.73	17.47	19.00
1.4	256QAM	1	3	17.74	17.78	17.64	19.00
1.4	256QAM	1	5	17.43	17.51	17.25	19.00
1.4	256QAM	3	0	17.56	17.61	17.43	19.00
1.4	256QAM	3	1	17.66	17.76	17.39	19.00
1.4	256QAM	3	3	17.40	17.69	17.37	19.00
1.4	256QAM	6	0	17.59	17.72	17.46	19.00

【LTE Band 5_Ant 0_DSI 7】

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	22.90	22.92	22.68	24.00
10	QPSK	1	25	22.66	22.70	22.33	24.00
10	QPSK	1	49	22.62	22.74	22.36	24.00
10	QPSK	25	0	21.76	21.82	21.77	23.00
10	QPSK	25	12	21.72	21.77	21.47	23.00
10	QPSK	25	25	21.60	21.74	21.41	23.00
10	QPSK	50	0	21.69	21.75	21.39	23.00
10	16QAM	1	0	21.80	21.92	21.60	23.00
10	16QAM	1	25	21.69	21.82	21.52	23.00
10	16QAM	1	49	21.65	21.80	21.45	23.00
10	16QAM	25	0	20.71	20.76	20.53	22.00



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10	16QAM	25	12	20.72	20.78	20.48	22.00
10	16QAM	25	25	20.77	20.82	20.54	22.00
10	16QAM	50	0	20.65	20.82	20.56	22.00
10	64QAM	1	0	20.84	20.92	20.59	22.00
10	64QAM	1	25	20.94	20.97	20.64	22.00
10	64QAM	1	49	20.71	20.81	20.54	22.00
10	64QAM	25	0	19.55	19.71	19.40	21.00
10	64QAM	25	12	19.69	19.74	19.52	21.00
10	64QAM	25	25	19.66	19.82	19.51	21.00
10	64QAM	50	0	19.58	19.72	19.48	21.00
10	256QAM	1	0	17.75	17.82	17.52	19.00
10	256QAM	1	25	17.82	17.90	17.68	19.00
10	256QAM	1	49	17.52	17.61	17.33	19.00
10	256QAM	25	0	17.67	17.72	17.46	19.00
10	256QAM	25	12	17.73	17.78	17.47	19.00
10	256QAM	25	25	17.55	17.70	17.43	19.00
10	256QAM	50	0	17.62	17.77	17.51	19.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	22.82	22.87	22.58	24.00
5	QPSK	1	12	22.57	22.56	22.24	24.00
5	QPSK	1	24	22.49	22.65	22.31	24.00
5	QPSK	12	0	21.73	21.71	21.72	23.00
5	QPSK	12	7	21.66	21.65	21.39	23.00
5	QPSK	12	13	21.49	21.67	21.28	23.00
5	QPSK	25	0	21.56	21.66	21.37	23.00
5	16QAM	1	0	21.70	21.84	21.57	23.00
5	16QAM	1	12	21.54	21.74	21.46	23.00
5	16QAM	1	24	21.58	21.78	21.36	23.00
5	16QAM	12	0	20.60	20.73	20.47	22.00
5	16QAM	12	7	20.60	20.68	20.35	22.00
5	16QAM	12	13	20.74	20.69	20.43	22.00
5	16QAM	25	0	20.62	20.76	20.48	22.00
5	64QAM	1	0	20.80	20.78	20.52	22.00
5	64QAM	1	12	20.82	20.90	20.56	22.00
5	64QAM	1	24	20.67	20.75	20.46	22.00
5	64QAM	12	0	19.47	19.64	19.33	21.00
5	64QAM	12	7	19.68	19.72	19.46	21.00
5	64QAM	12	13	19.56	19.80	19.41	21.00
5	64QAM	25	0	19.53	19.61	19.45	21.00
5	256QAM	1	0	17.65	17.74	17.46	19.00
5	256QAM	1	12	17.76	17.84	17.66	19.00
5	256QAM	1	24	17.47	17.49	17.29	19.00
5	256QAM	12	0	17.52	17.60	17.42	19.00
5	256QAM	12	7	17.59	17.65	17.35	19.00
5	256QAM	12	13	17.40	17.65	17.35	19.00
5	256QAM	25	0	17.59	17.71	17.45	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.84	22.89	22.55	24.00
3	QPSK	1	8	22.64	22.68	22.24	24.00
3	QPSK	1	14	22.59	22.68	22.31	24.00
3	QPSK	8	0	21.63	21.74	21.73	23.00
3	QPSK	8	4	21.65	21.75	21.37	23.00
3	QPSK	8	7	21.53	21.70	21.36	23.00
3	QPSK	15	0	21.60	21.69	21.35	23.00
3	16QAM	1	0	21.76	21.83	21.57	23.00
3	16QAM	1	8	21.67	21.69	21.44	23.00
3	16QAM	1	14	21.55	21.78	21.36	23.00
3	16QAM	8	0	20.66	20.63	20.40	22.00
3	16QAM	8	4	20.60	20.65	20.36	22.00
3	16QAM	8	7	20.63	20.73	20.52	22.00
3	16QAM	15	0	20.60	20.68	20.54	22.00
3	64QAM	1	0	20.82	20.88	20.45	22.00
3	64QAM	1	8	20.88	20.95	20.58	22.00
3	64QAM	1	14	20.59	20.71	20.53	22.00
3	64QAM	8	0	19.49	19.69	19.26	21.00
3	64QAM	8	4	19.59	19.64	19.46	21.00
3	64QAM	8	7	19.53	19.75	19.40	21.00
3	64QAM	15	0	19.54	19.60	19.39	21.00
3	256QAM	1	0	17.63	17.72	17.39	19.00
3	256QAM	1	8	17.72	17.83	17.56	19.00
3	256QAM	1	14	17.44	17.55	17.22	19.00
3	256QAM	8	0	17.52	17.58	17.45	19.00
3	256QAM	8	4	17.70	17.70	17.44	19.00
3	256QAM	8	7	17.54	17.59	17.41	19.00
3	256QAM	15	0	17.53	17.67	17.43	19.00
Channel				20407	20525	20643	Tune-up limit

Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	22.76	22.81	22.63	24.00
1.4	QPSK	1	3	22.53	22.59	22.22	24.00
1.4	QPSK	1	5	22.58	22.73	22.32	24.00
1.4	QPSK	3	0	22.70	22.80	22.70	24.00
1.4	QPSK	3	1	22.60	22.67	22.45	24.00
1.4	QPSK	3	3	22.59	22.66	22.35	24.00
1.4	QPSK	6	0	21.56	21.64	21.34	23.00
1.4	16QAM	1	0	21.73	21.79	21.45	23.00
1.4	16QAM	1	3	21.59	21.71	21.40	23.00
1.4	16QAM	1	5	21.60	21.74	21.43	23.00
1.4	16QAM	3	0	21.66	21.73	21.40	23.00
1.4	16QAM	3	1	21.64	21.66	21.35	23.00
1.4	16QAM	3	3	21.63	21.75	21.41	23.00
1.4	16QAM	6	0	20.62	20.72	20.48	22.00
1.4	64QAM	1	0	20.73	20.82	20.53	22.00
1.4	64QAM	1	3	20.82	20.95	20.54	22.00
1.4	64QAM	1	5	20.59	20.69	20.47	22.00
1.4	64QAM	3	0	20.46	20.65	20.39	22.00
1.4	64QAM	3	1	20.55	20.60	20.48	22.00
1.4	64QAM	3	3	20.57	20.78	20.42	22.00
1.4	64QAM	6	0	19.45	19.60	19.45	21.00
1.4	256QAM	1	0	17.70	17.73	17.47	19.00
1.4	256QAM	1	3	17.74	17.78	17.64	19.00
1.4	256QAM	1	5	17.43	17.51	17.25	19.00
1.4	256QAM	3	0	17.56	17.61	17.43	19.00
1.4	256QAM	3	1	17.66	17.76	17.39	19.00
1.4	256QAM	3	3	17.40	17.69	17.37	19.00
1.4	256QAM	6	0	17.59	17.72	17.46	19.00

【LTE Band 5_Ant 0_DSI 12】

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	19.82	19.85	19.82	21.60
10	QPSK	1	25	19.72	19.83	19.78	21.60
10	QPSK	1	49	19.63	19.83	19.69	21.60
10	QPSK	25	0	19.79	19.81	19.75	21.60
10	QPSK	25	12	19.72	19.80	19.74	21.60
10	QPSK	25	25	19.75	19.73	19.71	21.60
10	QPSK	50	0	19.77	19.71	19.68	21.60
10	16QAM	1	0	19.70	19.78	19.63	21.60
10	16QAM	1	25	19.70	19.68	19.70	21.60
10	16QAM	1	49	19.70	19.66	19.66	21.60
10	16QAM	25	0	19.69	19.76	19.66	21.60
10	16QAM	25	12	19.72	19.77	19.65	21.60
10	16QAM	25	25	19.67	19.71	19.63	21.60
10	16QAM	50	0	19.69	19.75	19.69	21.60
10	64QAM	1	0	19.66	19.80	19.77	21.60
10	64QAM	1	25	19.77	19.78	19.72	21.60
10	64QAM	1	49	19.70	19.68	19.79	21.60
10	64QAM	25	0	19.03	19.04	18.95	20.80
10	64QAM	25	12	18.91	19.06	19.04	20.80
10	64QAM	25	25	19.05	18.95	19.01	20.80
10	64QAM	50	0	19.04	19.13	18.96	20.80
10	256QAM	1	0	17.08	17.10	16.99	18.80
10	256QAM	1	25	16.99	16.98	17.03	18.80
10	256QAM	1	49	17.01	17.11	17.02	18.80
10	256QAM	25	0	16.96	17.03	17.04	18.80
10	256QAM	25	12	16.96	17.04	17.04	18.80
10	256QAM	25	25	17.11	17.11	16.99	18.80
10	256QAM	50	0	17.05	17.01	17.05	18.80
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.71	19.82	19.80	21.60
5	QPSK	1	12	19.60	19.73	19.66	21.60
5	QPSK	1	24	19.61	19.81	19.65	21.60
5	QPSK	12	0	19.68	19.66	19.73	21.60
5	QPSK	12	7	19.71	19.78	19.73	21.60
5	QPSK	12	13	19.62	19.60	19.61	21.60
5	QPSK	25	0	19.68	19.68	19.62	21.60



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5	16QAM	1	0	19.60	19.74	19.60	21.60
5	16QAM	1	12	19.61	19.60	19.61	21.60
5	16QAM	1	24	19.64	19.60	19.60	21.60
5	16QAM	12	0	19.66	19.64	19.65	21.60
5	16QAM	12	7	19.71	19.63	19.60	21.60
5	16QAM	12	13	19.60	19.69	19.60	21.60
5	16QAM	25	0	19.63	19.64	19.60	21.60
5	64QAM	1	0	19.60	19.79	19.62	21.60
5	64QAM	1	12	19.74	19.73	19.61	21.60
5	64QAM	1	24	19.63	19.62	19.73	21.60
5	64QAM	12	0	18.98	19.02	18.81	20.80
5	64QAM	12	7	18.82	18.99	19.02	20.80
5	64QAM	12	13	19.01	18.82	18.88	20.80
5	64QAM	25	0	18.92	18.98	18.91	20.80
5	256QAM	1	0	16.99	17.01	16.91	18.80
5	256QAM	1	12	16.93	16.88	16.99	18.80
5	256QAM	1	24	16.94	16.98	16.92	18.80
5	256QAM	12	0	16.82	16.89	16.91	18.80
5	256QAM	12	7	16.85	16.90	16.89	18.80
5	256QAM	12	13	17.00	17.03	16.86	18.80
5	256QAM	25	0	16.94	17.00	16.97	18.80
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	19.72	19.71	19.79	21.60
3	QPSK	1	8	19.69	19.74	19.64	21.60
3	QPSK	1	14	19.61	19.80	19.65	21.60
3	QPSK	8	0	19.76	19.78	19.66	21.60
3	QPSK	8	4	19.60	19.71	19.69	21.60
3	QPSK	8	7	19.62	19.68	19.60	21.60
3	QPSK	15	0	19.73	19.60	19.62	21.60
3	16QAM	1	0	19.63	19.72	19.62	21.60
3	16QAM	1	8	19.65	19.61	19.65	21.60
3	16QAM	1	14	19.63	19.60	19.63	21.60
3	16QAM	8	0	19.60	19.72	19.64	21.60
3	16QAM	8	4	19.66	19.65	19.60	21.60
3	16QAM	8	7	19.60	19.65	19.62	21.60
3	16QAM	15	0	19.64	19.66	19.62	21.60
3	64QAM	1	0	19.64	19.68	19.64	21.60
3	64QAM	1	8	19.74	19.67	19.63	21.60
3	64QAM	1	14	19.62	19.60	19.65	21.60
3	64QAM	8	0	18.94	18.94	18.92	20.80
3	64QAM	8	4	18.80	18.92	18.96	20.80
3	64QAM	8	7	18.97	18.91	18.91	20.80
3	64QAM	15	0	19.03	18.98	18.85	20.80
3	256QAM	1	0	17.04	17.04	16.93	18.80
3	256QAM	1	8	16.86	16.95	16.92	18.80
3	256QAM	1	14	16.90	17.02	16.90	18.80
3	256QAM	8	0	16.81	16.92	16.98	18.80
3	256QAM	8	4	16.84	16.99	16.96	18.80
3	256QAM	8	7	17.05	17.01	16.93	18.80
3	256QAM	15	0	16.98	16.91	16.98	18.80
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	19.71	19.71	19.69	21.60
1.4	QPSK	1	3	19.67	19.70	19.66	21.60
1.4	QPSK	1	5	19.60	19.70	19.61	21.60
1.4	QPSK	3	0	19.75	19.79	19.67	21.60
1.4	QPSK	3	1	19.65	19.72	19.67	21.60
1.4	QPSK	3	3	19.71	19.71	19.62	21.60
1.4	QPSK	6	0	19.64	19.64	19.60	21.60
1.4	16QAM	1	0	19.69	19.71	19.60	21.60
1.4	16QAM	1	3	19.68	19.60	19.64	21.60
1.4	16QAM	1	5	19.67	19.60	19.63	21.60
1.4	16QAM	3	0	19.64	19.72	19.61	21.60
1.4	16QAM	3	1	19.60	19.67	19.60	21.60
1.4	16QAM	3	3	19.64	19.64	19.60	21.60
1.4	16QAM	6	0	19.67	19.71	19.60	21.60
1.4	64QAM	1	0	19.64	19.73	19.67	21.60
1.4	64QAM	1	3	19.73	19.63	19.64	21.60
1.4	64QAM	1	5	19.61	19.61	19.69	21.60
1.4	64QAM	3	0	19.71	19.80	19.69	21.60
1.4	64QAM	3	1	19.61	19.84	19.81	21.60
1.4	64QAM	3	3	19.83	19.71	19.68	21.60
1.4	64QAM	6	0	19.58	19.64	19.44	21.40
1.4	256QAM	1	0	17.00	17.05	16.94	18.80
1.4	256QAM	1	3	16.92	16.87	16.97	18.80
1.4	256QAM	1	5	16.95	17.01	16.92	18.80
1.4	256QAM	3	0	16.86	16.96	16.99	18.80



1.4	256QAM	3	1	16.95	16.99	16.96	18.80
1.4	256QAM	3	3	17.00	17.04	16.93	18.80
1.4	256QAM	6	0	16.96	16.95	16.94	18.80

【LTE Band 5_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				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.13	23.20	23.18	24.00
10	QPSK	1	25	22.78	22.95	22.90	24.00
10	QPSK	1	49	22.76	22.95	22.78	24.00
10	QPSK	25	0	22.15	22.17	22.12	23.00
10	QPSK	25	12	21.97	22.07	22.04	23.00
10	QPSK	25	25	21.84	21.98	21.88	23.00
10	QPSK	50	0	22.01	22.15	22.07	23.00
10	16QAM	1	0	22.03	22.12	22.00	23.00
10	16QAM	1	25	22.07	22.17	22.14	23.00
10	16QAM	1	49	21.88	22.07	21.94	23.00
10	16QAM	25	0	20.88	21.09	21.04	22.00
10	16QAM	25	12	20.91	21.02	20.98	22.00
10	16QAM	25	25	20.89	21.03	20.93	22.00
10	16QAM	50	0	20.99	21.18	21.12	22.00
10	64QAM	1	0	20.86	21.05	20.92	22.00
10	64QAM	1	25	20.87	20.98	20.93	22.00
10	64QAM	1	49	20.98	21.19	21.06	22.00
10	64QAM	25	0	19.80	19.99	19.84	21.00
10	64QAM	25	12	19.99	20.13	20.03	21.00
10	64QAM	25	25	19.90	20.04	19.93	21.00
10	64QAM	50	0	19.96	20.09	20.03	21.00
10	256QAM	1	0	17.79	17.99	17.86	19.00
10	256QAM	1	25	17.96	18.03	17.89	19.00
10	256QAM	1	49	18.03	18.22	18.08	19.00
10	256QAM	25	0	17.93	18.12	18.01	19.00
10	256QAM	25	12	18.05	18.15	18.07	19.00
10	256QAM	25	25	18.09	18.22	18.13	19.00
10	256QAM	50	0	17.85	18.02	17.88	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.98	23.14	23.09	24.00
5	QPSK	1	12	22.73	22.86	22.83	24.00
5	QPSK	1	24	22.67	22.92	22.75	24.00
5	QPSK	12	0	22.06	22.09	22.05	23.00
5	QPSK	12	7	21.84	21.94	21.95	23.00
5	QPSK	12	13	21.75	21.96	21.84	23.00
5	QPSK	25	0	21.91	22.04	22.01	23.00
5	16QAM	1	0	21.91	22.08	21.93	23.00
5	16QAM	1	12	21.97	22.09	22.10	23.00
5	16QAM	1	24	21.75	21.94	21.85	23.00
5	16QAM	12	0	20.83	21.04	20.91	22.00
5	16QAM	12	7	20.81	20.95	20.89	22.00
5	16QAM	12	13	20.88	20.89	20.85	22.00
5	16QAM	25	0	20.97	21.11	20.98	22.00
5	64QAM	1	0	20.78	20.93	20.84	22.00
5	64QAM	1	12	20.81	20.90	20.80	22.00
5	64QAM	1	24	20.92	21.04	21.04	22.00
5	64QAM	12	0	19.72	19.95	19.79	21.00
5	64QAM	12	7	19.92	20.06	20.01	21.00
5	64QAM	12	13	19.77	20.00	19.84	21.00
5	64QAM	25	0	19.87	20.00	19.88	21.00
5	256QAM	1	0	17.74	17.90	17.76	19.00
5	256QAM	1	12	17.93	17.89	17.76	19.00
5	256QAM	1	24	17.91	18.20	17.95	19.00
5	256QAM	12	0	17.81	18.04	17.98	19.00
5	256QAM	12	7	18.00	18.05	18.05	19.00
5	256QAM	12	13	18.00	18.16	18.08	19.00
5	256QAM	25	0	17.76	18.01	17.85	19.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.99	23.12	23.06	24.00
3	QPSK	1	8	22.68	22.91	22.79	24.00
3	QPSK	1	14	22.72	22.93	22.76	24.00



3	QPSK	8	0	22.04	22.11	21.99	23.00
3	QPSK	8	4	21.86	22.04	22.01	23.00
3	QPSK	8	7	21.74	21.86	21.85	23.00
3	QPSK	15	0	21.89	22.00	21.96	23.00
3	16QAM	1	0	21.94	22.05	21.92	23.00
3	16QAM	1	8	22.01	22.08	22.03	23.00
3	16QAM	1	14	21.84	21.99	21.90	23.00
3	16QAM	8	0	20.86	20.98	21.01	22.00
3	16QAM	8	4	20.83	21.00	20.92	22.00
3	16QAM	8	7	20.75	21.01	20.81	22.00
3	16QAM	15	0	20.88	21.09	21.05	22.00
3	64QAM	1	0	20.82	20.99	20.91	22.00
3	64QAM	1	8	20.81	20.90	20.84	22.00
3	64QAM	1	14	20.94	21.13	21.02	22.00
3	64QAM	8	0	19.75	19.88	19.71	21.00
3	64QAM	8	4	19.88	20.03	20.01	21.00
3	64QAM	8	7	19.81	20.01	19.91	21.00
3	64QAM	15	0	19.83	19.96	19.96	21.00
3	256QAM	1	0	17.77	17.87	17.83	19.00
3	256QAM	1	8	17.92	17.94	17.80	19.00
3	256QAM	1	14	17.93	18.13	18.01	19.00
3	256QAM	8	0	17.90	17.98	17.95	19.00
3	256QAM	8	4	18.03	18.14	17.97	19.00
3	256QAM	8	7	18.05	18.20	18.04	19.00
3	256QAM	15	0	17.77	17.97	17.79	19.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.10	23.10	23.10	24.00
1.4	QPSK	1	3	22.73	22.89	22.85	24.00
1.4	QPSK	1	5	22.62	22.91	22.71	24.00
1.4	QPSK	3	0	23.03	23.10	23.01	24.00
1.4	QPSK	3	1	22.89	22.93	23.00	24.00
1.4	QPSK	3	3	22.72	22.95	22.79	24.00
1.4	QPSK	6	0	21.94	22.06	22.05	23.00
1.4	16QAM	1	0	21.94	22.04	21.88	23.00
1.4	16QAM	1	3	22.02	22.06	22.13	23.00
1.4	16QAM	1	5	21.74	21.96	21.85	23.00
1.4	16QAM	3	0	21.77	22.06	21.99	23.00
1.4	16QAM	3	1	21.82	21.95	21.83	23.00
1.4	16QAM	3	3	21.83	21.91	21.78	23.00
1.4	16QAM	6	0	20.85	21.11	20.99	22.00
1.4	64QAM	1	0	20.76	21.02	20.83	22.00
1.4	64QAM	1	3	20.81	20.88	20.87	22.00
1.4	64QAM	1	5	20.88	21.07	21.01	22.00
1.4	64QAM	3	0	20.74	20.97	20.78	22.00
1.4	64QAM	3	1	20.97	21.07	20.92	22.00
1.4	64QAM	3	3	20.87	21.02	20.90	22.00
1.4	64QAM	6	0	19.92	20.07	20.02	21.00
1.4	256QAM	1	0	17.70	17.90	17.75	19.00
1.4	256QAM	1	3	17.89	17.89	17.85	19.00
1.4	256QAM	1	5	17.93	18.12	17.99	19.00
1.4	256QAM	3	0	17.90	18.08	17.90	19.00
1.4	256QAM	3	1	17.92	18.13	17.92	19.00
1.4	256QAM	3	3	18.06	18.12	17.99	19.00
1.4	256QAM	6	0	17.72	17.87	17.73	19.00

【LTE Band 5_Ant 1_DSI 2】

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	23.13	23.20	23.18	24.00
10	QPSK	1	25	22.78	22.95	22.90	24.00
10	QPSK	1	49	22.76	22.95	22.78	24.00
10	QPSK	25	0	22.15	22.17	22.12	23.00
10	QPSK	25	12	21.97	22.07	22.04	23.00
10	QPSK	25	25	21.84	21.98	21.88	23.00
10	QPSK	50	0	22.01	22.15	22.07	23.00
10	16QAM	1	0	22.03	22.12	22.00	23.00
10	16QAM	1	25	22.07	22.17	22.14	23.00
10	16QAM	1	49	21.88	22.07	21.94	23.00
10	16QAM	25	0	20.88	21.09	21.04	22.00



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10	16QAM	25	12	20.91	21.02	20.98	22.00
10	16QAM	25	25	20.89	21.03	20.93	22.00
10	16QAM	50	0	20.99	21.18	21.12	22.00
10	64QAM	1	0	20.86	21.05	20.92	22.00
10	64QAM	1	25	20.87	20.98	20.93	22.00
10	64QAM	1	49	20.98	21.19	21.06	22.00
10	64QAM	25	0	19.80	19.99	19.84	21.00
10	64QAM	25	12	19.99	20.13	20.03	21.00
10	64QAM	25	25	19.90	20.04	19.93	21.00
10	64QAM	50	0	19.96	20.09	20.03	21.00
10	256QAM	1	0	17.79	17.99	17.86	19.00
10	256QAM	1	25	17.96	18.03	17.89	19.00
10	256QAM	1	49	18.03	18.22	18.08	19.00
10	256QAM	25	0	17.93	18.12	18.01	19.00
10	256QAM	25	12	18.05	18.15	18.07	19.00
10	256QAM	25	25	18.09	18.22	18.13	19.00
10	256QAM	50	0	17.85	18.02	17.88	19.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	22.98	23.14	23.09	24.00
5	QPSK	1	12	22.73	22.86	22.83	24.00
5	QPSK	1	24	22.67	22.92	22.75	24.00
5	QPSK	12	0	22.06	22.09	22.05	23.00
5	QPSK	12	7	21.84	21.94	21.95	23.00
5	QPSK	12	13	21.75	21.96	21.84	23.00
5	QPSK	25	0	21.91	22.04	22.01	23.00
5	16QAM	1	0	21.91	22.08	21.93	23.00
5	16QAM	1	12	21.97	22.09	22.10	23.00
5	16QAM	1	24	21.75	21.94	21.85	23.00
5	16QAM	12	0	20.83	21.04	20.91	22.00
5	16QAM	12	7	20.81	20.95	20.89	22.00
5	16QAM	12	13	20.88	20.89	20.85	22.00
5	16QAM	25	0	20.97	21.11	20.98	22.00
5	64QAM	1	0	20.78	20.93	20.84	22.00
5	64QAM	1	12	20.81	20.90	20.80	22.00
5	64QAM	1	24	20.92	21.04	21.04	22.00
5	64QAM	12	0	19.72	19.95	19.79	21.00
5	64QAM	12	7	19.92	20.06	20.01	21.00
5	64QAM	12	13	19.77	20.00	19.84	21.00
5	64QAM	25	0	19.87	20.00	19.88	21.00
5	256QAM	1	0	17.74	17.90	17.76	19.00
5	256QAM	1	12	17.93	17.89	17.76	19.00
5	256QAM	1	24	17.91	18.20	17.95	19.00
5	256QAM	12	0	17.81	18.04	17.98	19.00
5	256QAM	12	7	18.00	18.05	18.05	19.00
5	256QAM	12	13	18.00	18.16	18.08	19.00
5	256QAM	25	0	17.76	18.01	17.85	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.99	23.12	23.06	24.00
3	QPSK	1	8	22.68	22.91	22.79	24.00
3	QPSK	1	14	22.72	22.93	22.76	24.00
3	QPSK	8	0	22.04	22.11	21.99	23.00
3	QPSK	8	4	21.86	22.04	22.01	23.00
3	QPSK	8	7	21.74	21.86	21.85	23.00
3	QPSK	15	0	21.89	22.00	21.96	23.00
3	16QAM	1	0	21.94	22.05	21.92	23.00
3	16QAM	1	8	22.01	22.08	22.03	23.00
3	16QAM	1	14	21.84	21.99	21.90	23.00
3	16QAM	8	0	20.86	20.98	21.01	22.00
3	16QAM	8	4	20.83	21.00	20.92	22.00
3	16QAM	8	7	20.75	21.01	20.81	22.00
3	16QAM	15	0	20.88	21.09	21.05	22.00
3	64QAM	1	0	20.82	20.99	20.91	22.00
3	64QAM	1	8	20.81	20.90	20.84	22.00
3	64QAM	1	14	20.94	21.13	21.02	22.00
3	64QAM	8	0	19.75	19.88	19.71	21.00
3	64QAM	8	4	19.88	20.03	20.01	21.00
3	64QAM	8	7	19.81	20.01	19.91	21.00
3	64QAM	15	0	19.83	19.96	19.96	21.00
3	256QAM	1	0	17.77	17.87	17.83	19.00
3	256QAM	1	8	17.92	17.94	17.80	19.00
3	256QAM	1	14	17.93	18.13	18.01	19.00
3	256QAM	8	0	17.90	17.98	17.95	19.00
3	256QAM	8	4	18.03	18.14	17.97	19.00
3	256QAM	8	7	18.05	18.20	18.04	19.00
3	256QAM	15	0	17.77	17.97	17.79	19.00
Channel				20407	20525	20643	Tune-up limit

Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	23.10	23.10	23.10	24.00
1.4	QPSK	1	3	22.73	22.89	22.85	24.00
1.4	QPSK	1	5	22.62	22.91	22.71	24.00
1.4	QPSK	3	0	23.03	23.10	23.01	24.00
1.4	QPSK	3	1	22.89	22.93	23.00	24.00
1.4	QPSK	3	3	22.72	22.95	22.79	24.00
1.4	QPSK	6	0	21.94	22.06	22.05	23.00
1.4	16QAM	1	0	21.94	22.04	21.88	23.00
1.4	16QAM	1	3	22.02	22.06	22.13	23.00
1.4	16QAM	1	5	21.74	21.96	21.85	23.00
1.4	16QAM	3	0	21.77	22.06	21.99	23.00
1.4	16QAM	3	1	21.82	21.95	21.83	23.00
1.4	16QAM	3	3	21.83	21.91	21.78	23.00
1.4	16QAM	6	0	20.85	21.11	20.99	22.00
1.4	64QAM	1	0	20.76	21.02	20.83	22.00
1.4	64QAM	1	3	20.81	20.88	20.87	22.00
1.4	64QAM	1	5	20.88	21.07	21.01	22.00
1.4	64QAM	3	0	20.74	20.97	20.78	22.00
1.4	64QAM	3	1	20.97	21.07	20.92	22.00
1.4	64QAM	3	3	20.87	21.02	20.90	22.00
1.4	64QAM	6	0	19.92	20.07	20.02	21.00
1.4	256QAM	1	0	17.70	17.90	17.75	19.00
1.4	256QAM	1	3	17.89	17.89	17.85	19.00
1.4	256QAM	1	5	17.93	18.12	17.99	19.00
1.4	256QAM	3	0	17.90	18.08	17.90	19.00
1.4	256QAM	3	1	17.92	18.13	17.92	19.00
1.4	256QAM	3	3	18.06	18.12	17.99	19.00
1.4	256QAM	6	0	17.72	17.87	17.73	19.00

【LTE Band 5_Ant 1_DSI 3】

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	19.69	19.79	19.62	21.40
10	QPSK	1	25	19.58	19.68	19.59	21.40
10	QPSK	1	49	19.66	19.61	19.55	21.40
10	QPSK	25	0	19.49	19.75	19.51	21.40
10	QPSK	25	12	19.57	19.61	19.57	21.40
10	QPSK	25	25	19.57	19.70	19.47	21.40
10	QPSK	50	0	19.57	19.58	19.55	21.40
10	16QAM	1	0	19.66	19.70	19.66	21.40
10	16QAM	1	25	19.64	19.65	19.57	21.40
10	16QAM	1	49	19.62	19.69	19.56	21.40
10	16QAM	25	0	19.62	19.60	19.53	21.40
10	16QAM	25	12	19.55	19.69	19.55	21.40
10	16QAM	25	25	19.60	19.62	19.69	21.40
10	16QAM	50	0	19.57	19.58	19.57	21.40
10	64QAM	1	0	19.53	19.76	19.51	21.40
10	64QAM	1	25	19.58	19.65	19.54	21.40
10	64QAM	1	49	19.56	19.62	19.63	21.40
10	64QAM	25	0	19.31	19.37	19.27	21.00
10	64QAM	25	12	19.26	19.27	19.27	21.00
10	64QAM	25	25	19.36	19.38	19.16	21.00
10	64QAM	50	0	19.41	19.35	19.26	21.00
10	256QAM	1	0	17.79	17.71	17.67	19.00
10	256QAM	1	25	17.73	17.79	17.61	19.00
10	256QAM	1	49	17.74	17.68	17.67	19.00
10	256QAM	25	0	17.72	17.74	17.68	19.00
10	256QAM	25	12	17.71	17.74	17.60	19.00
10	256QAM	25	25	17.67	17.80	17.67	19.00
10	256QAM	50	0	17.61	17.75	17.65	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.60	19.76	19.56	21.40
5	QPSK	1	12	19.50	19.67	19.56	21.40
5	QPSK	1	24	19.55	19.53	19.41	21.40
5	QPSK	12	0	19.48	19.69	19.45	21.40
5	QPSK	12	7	19.49	19.49	19.44	21.40
5	QPSK	12	13	19.49	19.60	19.40	21.40
5	QPSK	25	0	19.45	19.48	19.42	21.40



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5	16QAM	1	0	19.65	19.68	19.61	21.40
5	16QAM	1	12	19.50	19.54	19.42	21.40
5	16QAM	1	24	19.58	19.61	19.45	21.40
5	16QAM	12	0	19.58	19.46	19.41	21.40
5	16QAM	12	7	19.49	19.64	19.41	21.40
5	16QAM	12	13	19.57	19.60	19.58	21.40
5	16QAM	25	0	19.46	19.50	19.52	21.40
5	64QAM	1	0	19.50	19.74	19.40	21.40
5	64QAM	1	12	19.54	19.56	19.46	21.40
5	64QAM	1	24	19.54	19.60	19.50	21.40
5	64QAM	12	0	19.19	19.32	19.24	21.00
5	64QAM	12	7	19.19	19.17	19.20	21.00
5	64QAM	12	13	19.32	19.24	19.01	21.00
5	64QAM	25	0	19.39	19.23	19.17	21.00
5	256QAM	1	0	17.68	17.69	17.62	19.00
5	256QAM	1	12	17.61	17.74	17.49	19.00
5	256QAM	1	24	17.61	17.64	17.64	19.00
5	256QAM	12	0	17.58	17.68	17.63	19.00
5	256QAM	12	7	17.57	17.59	17.50	19.00
5	256QAM	12	13	17.53	17.68	17.63	19.00
5	256QAM	25	0	17.50	17.63	17.61	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	19.60	19.69	19.47	21.40
3	QPSK	1	8	19.52	19.66	19.49	21.40
3	QPSK	1	14	19.60	19.50	19.47	21.40
3	QPSK	8	0	19.42	19.63	19.48	21.40
3	QPSK	8	4	19.55	19.49	19.54	21.40
3	QPSK	8	7	19.49	19.66	19.42	21.40
3	QPSK	15	0	19.49	19.50	19.54	21.40
3	16QAM	1	0	19.63	19.63	19.56	21.40
3	16QAM	1	8	19.58	19.55	19.56	21.40
3	16QAM	1	14	19.49	19.57	19.48	21.40
3	16QAM	8	0	19.55	19.59	19.42	21.40
3	16QAM	8	4	19.51	19.58	19.53	21.40
3	16QAM	8	7	19.49	19.61	19.58	21.40
3	16QAM	15	0	19.42	19.51	19.44	21.40
3	64QAM	1	0	19.41	19.72	19.43	21.40
3	64QAM	1	8	19.50	19.56	19.47	21.40
3	64QAM	1	14	19.55	19.58	19.55	21.40
3	64QAM	8	0	19.19	19.36	19.14	21.00
3	64QAM	8	4	19.17	19.18	19.15	21.00
3	64QAM	8	7	19.28	19.26	19.14	21.00
3	64QAM	15	0	19.37	19.34	19.21	21.00
3	256QAM	1	0	17.74	17.62	17.63	19.00
3	256QAM	1	8	17.60	17.70	17.59	19.00
3	256QAM	1	14	17.63	17.56	17.55	19.00
3	256QAM	8	0	17.68	17.63	17.57	19.00
3	256QAM	8	4	17.60	17.65	17.45	19.00
3	256QAM	8	7	17.59	17.69	17.65	19.00
3	256QAM	15	0	17.58	17.71	17.53	19.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	19.64	19.72	19.51	21.40
1.4	QPSK	1	3	19.46	19.59	19.47	21.40
1.4	QPSK	1	5	19.52	19.55	19.54	21.40
1.4	QPSK	3	0	19.40	19.71	19.46	21.40
1.4	QPSK	3	1	19.45	19.53	19.50	21.40
1.4	QPSK	3	3	19.50	19.67	19.46	21.40
1.4	QPSK	6	0	19.54	19.56	19.50	21.40
1.4	16QAM	1	0	19.54	19.58	19.60	21.40
1.4	16QAM	1	3	19.52	19.59	19.52	21.40
1.4	16QAM	1	5	19.50	19.66	19.49	21.40
1.4	16QAM	3	0	19.47	19.50	19.50	21.40
1.4	16QAM	3	1	19.49	19.66	19.49	21.40
1.4	16QAM	3	3	19.55	19.59	19.60	21.40
1.4	16QAM	6	0	19.48	19.43	19.46	21.40
1.4	64QAM	1	0	19.41	19.66	19.41	21.40
1.4	64QAM	1	3	19.46	19.59	19.40	21.40
1.4	64QAM	1	5	19.44	19.49	19.59	21.40
1.4	64QAM	3	0	19.67	19.67	19.62	21.40
1.4	64QAM	3	1	19.64	19.58	19.55	21.40
1.4	64QAM	3	3	19.69	19.65	19.54	21.40
1.4	64QAM	6	0	19.32	19.23	19.15	21.00
1.4	256QAM	1	0	17.72	17.62	17.58	19.00
1.4	256QAM	1	3	17.61	17.74	17.49	19.00
1.4	256QAM	1	5	17.73	17.58	17.57	19.00
1.4	256QAM	3	0	17.59	17.62	17.53	19.00



1.4	256QAM	3	1	17.66	17.68	17.47	19.00
1.4	256QAM	3	3	17.63	17.69	17.56	19.00
1.4	256QAM	6	0	17.35	17.52	17.34	19.00

【LTE Band 5_Ant 1_DSI 4】

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	19.69	19.79	19.62	21.40
10	QPSK	1	25	19.58	19.68	19.59	21.40
10	QPSK	1	49	19.66	19.61	19.55	21.40
10	QPSK	25	0	19.49	19.75	19.51	21.40
10	QPSK	25	12	19.57	19.61	19.57	21.40
10	QPSK	25	25	19.57	19.70	19.47	21.40
10	QPSK	50	0	19.57	19.58	19.55	21.40
10	16QAM	1	0	19.66	19.70	19.66	21.40
10	16QAM	1	25	19.64	19.65	19.57	21.40
10	16QAM	1	49	19.62	19.69	19.56	21.40
10	16QAM	25	0	19.62	19.60	19.53	21.40
10	16QAM	25	12	19.55	19.69	19.55	21.40
10	16QAM	25	25	19.60	19.62	19.69	21.40
10	16QAM	50	0	19.57	19.58	19.57	21.40
10	64QAM	1	0	19.53	19.76	19.51	21.40
10	64QAM	1	25	19.58	19.65	19.54	21.40
10	64QAM	1	49	19.56	19.62	19.63	21.40
10	64QAM	25	0	19.31	19.37	19.27	21.00
10	64QAM	25	12	19.26	19.27	19.27	21.00
10	64QAM	25	25	19.36	19.38	19.16	21.00
10	64QAM	50	0	19.41	19.35	19.26	21.00
10	256QAM	1	0	17.79	17.71	17.67	19.00
10	256QAM	1	25	17.73	17.79	17.61	19.00
10	256QAM	1	49	17.74	17.68	17.67	19.00
10	256QAM	25	0	17.72	17.74	17.68	19.00
10	256QAM	25	12	17.71	17.74	17.60	19.00
10	256QAM	25	25	17.67	17.80	17.67	19.00
10	256QAM	50	0	17.61	17.75	17.65	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.60	19.76	19.56	21.40
5	QPSK	1	12	19.50	19.67	19.56	21.40
5	QPSK	1	24	19.55	19.53	19.41	21.40
5	QPSK	12	0	19.48	19.69	19.45	21.40
5	QPSK	12	7	19.49	19.49	19.44	21.40
5	QPSK	12	13	19.49	19.60	19.40	21.40
5	QPSK	25	0	19.45	19.48	19.42	21.40
5	16QAM	1	0	19.65	19.68	19.61	21.40
5	16QAM	1	12	19.50	19.54	19.42	21.40
5	16QAM	1	24	19.58	19.61	19.45	21.40
5	16QAM	12	0	19.58	19.46	19.41	21.40
5	16QAM	12	7	19.49	19.64	19.41	21.40
5	16QAM	12	13	19.57	19.60	19.58	21.40
5	16QAM	25	0	19.46	19.50	19.52	21.40
5	64QAM	1	0	19.50	19.74	19.40	21.40
5	64QAM	1	12	19.54	19.56	19.46	21.40
5	64QAM	1	24	19.54	19.60	19.50	21.40
5	64QAM	12	0	19.19	19.32	19.24	21.00
5	64QAM	12	7	19.19	19.17	19.20	21.00
5	64QAM	12	13	19.32	19.24	19.01	21.00
5	64QAM	25	0	19.39	19.23	19.17	21.00
5	256QAM	1	0	17.68	17.69	17.62	19.00
5	256QAM	1	12	17.61	17.74	17.49	19.00
5	256QAM	1	24	17.61	17.64	17.64	19.00
5	256QAM	12	0	17.58	17.68	17.63	19.00
5	256QAM	12	7	17.57	17.59	17.50	19.00
5	256QAM	12	13	17.53	17.68	17.63	19.00
5	256QAM	25	0	17.50	17.63	17.61	19.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	19.60	19.69	19.47	21.40
3	QPSK	1	8	19.52	19.66	19.49	21.40
3	QPSK	1	14	19.60	19.50	19.47	21.40

3	QPSK	8	0	19.42	19.63	19.48	21.40
3	QPSK	8	4	19.55	19.49	19.54	21.40
3	QPSK	8	7	19.49	19.66	19.42	21.40
3	QPSK	15	0	19.49	19.50	19.54	21.40
3	16QAM	1	0	19.63	19.63	19.56	21.40
3	16QAM	1	8	19.58	19.55	19.56	21.40
3	16QAM	1	14	19.49	19.57	19.48	21.40
3	16QAM	8	0	19.55	19.59	19.42	21.40
3	16QAM	8	4	19.51	19.58	19.53	21.40
3	16QAM	8	7	19.49	19.61	19.58	21.40
3	16QAM	15	0	19.42	19.51	19.44	21.40
3	64QAM	1	0	19.41	19.72	19.43	21.40
3	64QAM	1	8	19.50	19.56	19.47	21.40
3	64QAM	1	14	19.55	19.58	19.55	21.40
3	64QAM	8	0	19.19	19.36	19.14	21.00
3	64QAM	8	4	19.17	19.18	19.15	21.00
3	64QAM	8	7	19.28	19.26	19.14	21.00
3	64QAM	15	0	19.37	19.34	19.21	21.00
3	256QAM	1	0	17.74	17.62	17.63	19.00
3	256QAM	1	8	17.60	17.70	17.59	19.00
3	256QAM	1	14	17.63	17.56	17.55	19.00
3	256QAM	8	0	17.68	17.63	17.57	19.00
3	256QAM	8	4	17.60	17.65	17.45	19.00
3	256QAM	8	7	17.59	17.69	17.65	19.00
3	256QAM	15	0	17.58	17.71	17.53	19.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	19.64	19.72	19.51	21.40
1.4	QPSK	1	3	19.46	19.59	19.47	21.40
1.4	QPSK	1	5	19.52	19.55	19.54	21.40
1.4	QPSK	3	0	19.40	19.71	19.46	21.40
1.4	QPSK	3	1	19.45	19.53	19.50	21.40
1.4	QPSK	3	3	19.50	19.67	19.46	21.40
1.4	QPSK	6	0	19.54	19.56	19.50	21.40
1.4	16QAM	1	0	19.54	19.58	19.60	21.40
1.4	16QAM	1	3	19.52	19.59	19.52	21.40
1.4	16QAM	1	5	19.50	19.66	19.49	21.40
1.4	16QAM	3	0	19.47	19.50	19.50	21.40
1.4	16QAM	3	1	19.49	19.66	19.49	21.40
1.4	16QAM	3	3	19.55	19.59	19.60	21.40
1.4	16QAM	6	0	19.48	19.43	19.46	21.40
1.4	64QAM	1	0	19.41	19.66	19.41	21.40
1.4	64QAM	1	3	19.46	19.59	19.40	21.40
1.4	64QAM	1	5	19.44	19.49	19.59	21.40
1.4	64QAM	3	0	19.67	19.67	19.62	21.40
1.4	64QAM	3	1	19.64	19.58	19.55	21.40
1.4	64QAM	3	3	19.69	19.65	19.54	21.40
1.4	64QAM	6	0	19.32	19.23	19.15	21.00
1.4	256QAM	1	0	17.72	17.62	17.58	19.00
1.4	256QAM	1	3	17.61	17.74	17.49	19.00
1.4	256QAM	1	5	17.73	17.58	17.57	19.00
1.4	256QAM	3	0	17.59	17.62	17.53	19.00
1.4	256QAM	3	1	17.66	17.68	17.47	19.00
1.4	256QAM	3	3	17.63	17.69	17.56	19.00
1.4	256QAM	6	0	17.35	17.52	17.34	19.00

【LTE Band 5_Ant 1_DSI 6】

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	19.69	19.79	19.62	21.40
10	QPSK	1	25	19.58	19.68	19.59	21.40
10	QPSK	1	49	19.66	19.61	19.55	21.40
10	QPSK	25	0	19.49	19.75	19.51	21.40
10	QPSK	25	12	19.57	19.61	19.57	21.40
10	QPSK	25	25	19.57	19.70	19.47	21.40
10	QPSK	50	0	19.57	19.58	19.55	21.40
10	16QAM	1	0	19.66	19.70	19.66	21.40
10	16QAM	1	25	19.64	19.65	19.57	21.40
10	16QAM	1	49	19.62	19.69	19.56	21.40
10	16QAM	25	0	19.62	19.60	19.53	21.40



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10	16QAM	25	12	19.55	19.69	19.55	21.40
10	16QAM	25	25	19.60	19.62	19.69	21.40
10	16QAM	50	0	19.57	19.58	19.57	21.40
10	64QAM	1	0	19.53	19.76	19.51	21.40
10	64QAM	1	25	19.58	19.65	19.54	21.40
10	64QAM	1	49	19.56	19.62	19.63	21.40
10	64QAM	25	0	19.31	19.37	19.27	21.00
10	64QAM	25	12	19.26	19.27	19.27	21.00
10	64QAM	25	25	19.36	19.38	19.16	21.00
10	64QAM	50	0	19.41	19.35	19.26	21.00
10	256QAM	1	0	17.79	17.71	17.67	19.00
10	256QAM	1	25	17.73	17.79	17.61	19.00
10	256QAM	1	49	17.74	17.68	17.67	19.00
10	256QAM	25	0	17.72	17.74	17.68	19.00
10	256QAM	25	12	17.71	17.74	17.60	19.00
10	256QAM	25	25	17.67	17.80	17.67	19.00
10	256QAM	50	0	17.61	17.75	17.65	19.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	19.60	19.76	19.56	21.40
5	QPSK	1	12	19.50	19.67	19.56	21.40
5	QPSK	1	24	19.55	19.53	19.41	21.40
5	QPSK	12	0	19.48	19.69	19.45	21.40
5	QPSK	12	7	19.49	19.49	19.44	21.40
5	QPSK	12	13	19.49	19.60	19.40	21.40
5	QPSK	25	0	19.45	19.48	19.42	21.40
5	16QAM	1	0	19.65	19.68	19.61	21.40
5	16QAM	1	12	19.50	19.54	19.42	21.40
5	16QAM	1	24	19.58	19.61	19.45	21.40
5	16QAM	12	0	19.58	19.46	19.41	21.40
5	16QAM	12	7	19.49	19.64	19.41	21.40
5	16QAM	12	13	19.57	19.60	19.58	21.40
5	16QAM	25	0	19.46	19.50	19.52	21.40
5	64QAM	1	0	19.50	19.74	19.40	21.40
5	64QAM	1	12	19.54	19.56	19.46	21.40
5	64QAM	1	24	19.54	19.60	19.50	21.40
5	64QAM	12	0	19.19	19.32	19.24	21.00
5	64QAM	12	7	19.19	19.17	19.20	21.00
5	64QAM	12	13	19.32	19.24	19.01	21.00
5	64QAM	25	0	19.39	19.23	19.17	21.00
5	256QAM	1	0	17.68	17.69	17.62	19.00
5	256QAM	1	12	17.61	17.74	17.49	19.00
5	256QAM	1	24	17.61	17.64	17.64	19.00
5	256QAM	12	0	17.58	17.68	17.63	19.00
5	256QAM	12	7	17.57	17.59	17.50	19.00
5	256QAM	12	13	17.53	17.68	17.63	19.00
5	256QAM	25	0	17.50	17.63	17.61	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	19.60	19.69	19.47	21.40
3	QPSK	1	8	19.52	19.66	19.49	21.40
3	QPSK	1	14	19.60	19.50	19.47	21.40
3	QPSK	8	0	19.42	19.63	19.48	21.40
3	QPSK	8	4	19.55	19.49	19.54	21.40
3	QPSK	8	7	19.49	19.66	19.42	21.40
3	QPSK	15	0	19.49	19.50	19.54	21.40
3	16QAM	1	0	19.63	19.63	19.56	21.40
3	16QAM	1	8	19.58	19.55	19.56	21.40
3	16QAM	1	14	19.49	19.57	19.48	21.40
3	16QAM	8	0	19.55	19.59	19.42	21.40
3	16QAM	8	4	19.51	19.58	19.53	21.40
3	16QAM	8	7	19.49	19.61	19.58	21.40
3	16QAM	15	0	19.42	19.51	19.44	21.40
3	64QAM	1	0	19.41	19.72	19.43	21.40
3	64QAM	1	8	19.50	19.56	19.47	21.40
3	64QAM	1	14	19.55	19.58	19.55	21.40
3	64QAM	8	0	19.19	19.36	19.14	21.00
3	64QAM	8	4	19.17	19.18	19.15	21.00
3	64QAM	8	7	19.28	19.26	19.14	21.00
3	64QAM	15	0	19.37	19.34	19.21	21.00
3	256QAM	1	0	17.74	17.62	17.63	19.00
3	256QAM	1	8	17.60	17.70	17.59	19.00
3	256QAM	1	14	17.63	17.56	17.55	19.00
3	256QAM	8	0	17.68	17.63	17.57	19.00
3	256QAM	8	4	17.60	17.65	17.45	19.00
3	256QAM	8	7	17.59	17.69	17.65	19.00
3	256QAM	15	0	17.58	17.71	17.53	19.00
Channel				20407	20525	20643	Tune-up limit



Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	19.64	19.72	19.51	21.40
1.4	QPSK	1	3	19.46	19.59	19.47	21.40
1.4	QPSK	1	5	19.52	19.55	19.54	21.40
1.4	QPSK	3	0	19.40	19.71	19.46	21.40
1.4	QPSK	3	1	19.45	19.53	19.50	21.40
1.4	QPSK	3	3	19.50	19.67	19.46	21.40
1.4	QPSK	6	0	19.54	19.56	19.50	21.40
1.4	16QAM	1	0	19.54	19.58	19.60	21.40
1.4	16QAM	1	3	19.52	19.59	19.52	21.40
1.4	16QAM	1	5	19.50	19.66	19.49	21.40
1.4	16QAM	3	0	19.47	19.50	19.50	21.40
1.4	16QAM	3	1	19.49	19.66	19.49	21.40
1.4	16QAM	3	3	19.55	19.59	19.60	21.40
1.4	16QAM	6	0	19.48	19.43	19.46	21.40
1.4	64QAM	1	0	19.41	19.66	19.41	21.40
1.4	64QAM	1	3	19.46	19.59	19.40	21.40
1.4	64QAM	1	5	19.44	19.49	19.59	21.40
1.4	64QAM	3	0	19.67	19.67	19.62	21.40
1.4	64QAM	3	1	19.64	19.58	19.55	21.40
1.4	64QAM	3	3	19.69	19.65	19.54	21.40
1.4	64QAM	6	0	19.32	19.23	19.15	21.00
1.4	256QAM	1	0	17.72	17.62	17.58	19.00
1.4	256QAM	1	3	17.61	17.74	17.49	19.00
1.4	256QAM	1	5	17.73	17.58	17.57	19.00
1.4	256QAM	3	0	17.59	17.62	17.53	19.00
1.4	256QAM	3	1	17.66	17.68	17.47	19.00
1.4	256QAM	3	3	17.63	17.69	17.56	19.00
1.4	256QAM	6	0	17.35	17.52	17.34	19.00

【LTE Band 5_Ant 1_DSI 7】

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	23.13	23.20	23.18	24.00
10	QPSK	1	25	22.78	22.95	22.90	24.00
10	QPSK	1	49	22.76	22.95	22.78	24.00
10	QPSK	25	0	22.15	22.17	22.12	23.00
10	QPSK	25	12	21.97	22.07	22.04	23.00
10	QPSK	25	25	21.84	21.98	21.88	23.00
10	QPSK	50	0	22.01	22.15	22.07	23.00
10	16QAM	1	0	22.03	22.12	22.00	23.00
10	16QAM	1	25	22.07	22.17	22.14	23.00
10	16QAM	1	49	21.88	22.07	21.94	23.00
10	16QAM	25	0	20.88	21.09	21.04	22.00
10	16QAM	25	12	20.91	21.02	20.98	22.00
10	16QAM	25	25	20.89	21.03	20.93	22.00
10	16QAM	50	0	20.99	21.18	21.12	22.00
10	64QAM	1	0	20.86	21.05	20.92	22.00
10	64QAM	1	25	20.87	20.98	20.93	22.00
10	64QAM	1	49	20.98	21.19	21.06	22.00
10	64QAM	25	0	19.80	19.99	19.84	21.00
10	64QAM	25	12	19.99	20.13	20.03	21.00
10	64QAM	25	25	19.90	20.04	19.93	21.00
10	64QAM	50	0	19.96	20.09	20.03	21.00
10	256QAM	1	0	17.79	17.99	17.86	19.00
10	256QAM	1	25	17.96	18.03	17.89	19.00
10	256QAM	1	49	18.03	18.22	18.08	19.00
10	256QAM	25	0	17.93	18.12	18.01	19.00
10	256QAM	25	12	18.05	18.15	18.07	19.00
10	256QAM	25	25	18.09	18.22	18.13	19.00
10	256QAM	50	0	17.85	18.02	17.88	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.98	23.14	23.09	24.00
5	QPSK	1	12	22.73	22.86	22.83	24.00
5	QPSK	1	24	22.67	22.92	22.75	24.00
5	QPSK	12	0	22.06	22.09	22.05	23.00
5	QPSK	12	7	21.84	21.94	21.95	23.00
5	QPSK	12	13	21.75	21.96	21.84	23.00
5	QPSK	25	0	21.91	22.04	22.01	23.00



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5	16QAM	1	0	21.91	22.08	21.93	23.00
5	16QAM	1	12	21.97	22.09	22.10	23.00
5	16QAM	1	24	21.75	21.94	21.85	23.00
5	16QAM	12	0	20.83	21.04	20.91	22.00
5	16QAM	12	7	20.81	20.95	20.89	22.00
5	16QAM	12	13	20.88	20.89	20.85	22.00
5	16QAM	25	0	20.97	21.11	20.98	22.00
5	64QAM	1	0	20.78	20.93	20.84	22.00
5	64QAM	1	12	20.81	20.90	20.80	22.00
5	64QAM	1	24	20.92	21.04	21.04	22.00
5	64QAM	12	0	19.72	19.95	19.79	21.00
5	64QAM	12	7	19.92	20.06	20.01	21.00
5	64QAM	12	13	19.77	20.00	19.84	21.00
5	64QAM	25	0	19.87	20.00	19.88	21.00
5	256QAM	1	0	17.74	17.90	17.76	19.00
5	256QAM	1	12	17.93	17.89	17.76	19.00
5	256QAM	1	24	17.91	18.20	17.95	19.00
5	256QAM	12	0	17.81	18.04	17.98	19.00
5	256QAM	12	7	18.00	18.05	18.05	19.00
5	256QAM	12	13	18.00	18.16	18.08	19.00
5	256QAM	25	0	17.76	18.01	17.85	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.99	23.12	23.06	24.00
3	QPSK	1	8	22.68	22.91	22.79	24.00
3	QPSK	1	14	22.72	22.93	22.76	24.00
3	QPSK	8	0	22.04	22.11	21.99	23.00
3	QPSK	8	4	21.86	22.04	22.01	23.00
3	QPSK	8	7	21.74	21.86	21.85	23.00
3	QPSK	15	0	21.89	22.00	21.96	23.00
3	16QAM	1	0	21.94	22.05	21.92	23.00
3	16QAM	1	8	22.01	22.08	22.03	23.00
3	16QAM	1	14	21.84	21.99	21.90	23.00
3	16QAM	8	0	20.86	20.98	21.01	22.00
3	16QAM	8	4	20.83	21.00	20.92	22.00
3	16QAM	8	7	20.75	21.01	20.81	22.00
3	16QAM	15	0	20.88	21.09	21.05	22.00
3	64QAM	1	0	20.82	20.99	20.91	22.00
3	64QAM	1	8	20.81	20.90	20.84	22.00
3	64QAM	1	14	20.94	21.13	21.02	22.00
3	64QAM	8	0	19.75	19.88	19.71	21.00
3	64QAM	8	4	19.88	20.03	20.01	21.00
3	64QAM	8	7	19.81	20.01	19.91	21.00
3	64QAM	15	0	19.83	19.96	19.96	21.00
3	256QAM	1	0	17.77	17.87	17.83	19.00
3	256QAM	1	8	17.92	17.94	17.80	19.00
3	256QAM	1	14	17.93	18.13	18.01	19.00
3	256QAM	8	0	17.90	17.98	17.95	19.00
3	256QAM	8	4	18.03	18.14	17.97	19.00
3	256QAM	8	7	18.05	18.20	18.04	19.00
3	256QAM	15	0	17.77	17.97	17.79	19.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	23.10	23.10	23.10	24.00
1.4	QPSK	1	3	22.73	22.89	22.85	24.00
1.4	QPSK	1	5	22.62	22.91	22.71	24.00
1.4	QPSK	3	0	23.03	23.10	23.01	24.00
1.4	QPSK	3	1	22.89	22.93	23.00	24.00
1.4	QPSK	3	3	22.72	22.95	22.79	24.00
1.4	QPSK	6	0	21.94	22.06	22.05	23.00
1.4	16QAM	1	0	21.94	22.04	21.88	23.00
1.4	16QAM	1	3	22.02	22.06	22.13	23.00
1.4	16QAM	1	5	21.74	21.96	21.85	23.00
1.4	16QAM	3	0	21.77	22.06	21.99	23.00
1.4	16QAM	3	1	21.82	21.95	21.83	23.00
1.4	16QAM	3	3	21.83	21.91	21.78	23.00
1.4	16QAM	6	0	20.85	21.11	20.99	22.00
1.4	64QAM	1	0	20.76	21.02	20.83	22.00
1.4	64QAM	1	3	20.81	20.88	20.87	22.00
1.4	64QAM	1	5	20.88	21.07	21.01	22.00
1.4	64QAM	3	0	20.74	20.97	20.78	22.00
1.4	64QAM	3	1	20.97	21.07	20.92	22.00
1.4	64QAM	3	3	20.87	21.02	20.90	22.00
1.4	64QAM	6	0	19.92	20.07	20.02	21.00
1.4	256QAM	1	0	17.70	17.90	17.75	19.00
1.4	256QAM	1	3	17.89	17.89	17.85	19.00
1.4	256QAM	1	5	17.93	18.12	17.99	19.00
1.4	256QAM	3	0	17.90	18.08	17.90	19.00



1.4	256QAM	3	1	17.92	18.13	17.92	19.00
1.4	256QAM	3	3	18.06	18.12	17.99	19.00
1.4	256QAM	6	0	17.72	17.87	17.73	19.00

【LTE Band 5_Ant 1_DSI 12】

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	19.69	19.79	19.62	21.40
10	QPSK	1	25	19.58	19.68	19.59	21.40
10	QPSK	1	49	19.66	19.61	19.55	21.40
10	QPSK	25	0	19.49	19.75	19.51	21.40
10	QPSK	25	12	19.57	19.61	19.57	21.40
10	QPSK	25	25	19.57	19.70	19.47	21.40
10	QPSK	50	0	19.57	19.58	19.55	21.40
10	16QAM	1	0	19.66	19.70	19.66	21.40
10	16QAM	1	25	19.64	19.65	19.57	21.40
10	16QAM	1	49	19.62	19.69	19.56	21.40
10	16QAM	25	0	19.62	19.60	19.53	21.40
10	16QAM	25	12	19.55	19.69	19.55	21.40
10	16QAM	25	25	19.60	19.62	19.69	21.40
10	16QAM	50	0	19.57	19.58	19.57	21.40
10	64QAM	1	0	19.53	19.76	19.51	21.40
10	64QAM	1	25	19.58	19.65	19.54	21.40
10	64QAM	1	49	19.56	19.62	19.63	21.40
10	64QAM	25	0	19.31	19.37	19.27	21.00
10	64QAM	25	12	19.26	19.27	19.27	21.00
10	64QAM	25	25	19.36	19.38	19.16	21.00
10	64QAM	50	0	19.41	19.35	19.26	21.00
10	256QAM	1	0	17.79	17.71	17.67	19.00
10	256QAM	1	25	17.73	17.79	17.61	19.00
10	256QAM	1	49	17.74	17.68	17.67	19.00
10	256QAM	25	0	17.72	17.74	17.68	19.00
10	256QAM	25	12	17.71	17.74	17.60	19.00
10	256QAM	25	25	17.67	17.80	17.67	19.00
10	256QAM	50	0	17.61	17.75	17.65	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.60	19.76	19.56	21.40
5	QPSK	1	12	19.50	19.67	19.56	21.40
5	QPSK	1	24	19.55	19.53	19.41	21.40
5	QPSK	12	0	19.48	19.69	19.45	21.40
5	QPSK	12	7	19.49	19.49	19.44	21.40
5	QPSK	12	13	19.49	19.60	19.40	21.40
5	QPSK	25	0	19.45	19.48	19.42	21.40
5	16QAM	1	0	19.65	19.68	19.61	21.40
5	16QAM	1	12	19.50	19.54	19.42	21.40
5	16QAM	1	24	19.58	19.61	19.45	21.40
5	16QAM	12	0	19.58	19.46	19.41	21.40
5	16QAM	12	7	19.49	19.64	19.41	21.40
5	16QAM	12	13	19.57	19.60	19.58	21.40
5	16QAM	25	0	19.46	19.50	19.52	21.40
5	64QAM	1	0	19.50	19.74	19.40	21.40
5	64QAM	1	12	19.54	19.56	19.46	21.40
5	64QAM	1	24	19.54	19.60	19.50	21.40
5	64QAM	12	0	19.19	19.32	19.24	21.00
5	64QAM	12	7	19.19	19.17	19.20	21.00
5	64QAM	12	13	19.32	19.24	19.01	21.00
5	64QAM	25	0	19.39	19.23	19.17	21.00
5	256QAM	1	0	17.68	17.69	17.62	19.00
5	256QAM	1	12	17.61	17.74	17.49	19.00
5	256QAM	1	24	17.61	17.64	17.64	19.00
5	256QAM	12	0	17.58	17.68	17.63	19.00
5	256QAM	12	7	17.57	17.59	17.50	19.00
5	256QAM	12	13	17.53	17.68	17.63	19.00
5	256QAM	25	0	17.50	17.63	17.61	19.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	19.60	19.69	19.47	21.40
3	QPSK	1	8	19.52	19.66	19.49	21.40
3	QPSK	1	14	19.60	19.50	19.47	21.40



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3	QPSK	8	0	19.42	19.63	19.48	21.40
3	QPSK	8	4	19.55	19.49	19.54	21.40
3	QPSK	8	7	19.49	19.66	19.42	21.40
3	QPSK	15	0	19.49	19.50	19.54	21.40
3	16QAM	1	0	19.63	19.63	19.56	21.40
3	16QAM	1	8	19.58	19.55	19.56	21.40
3	16QAM	1	14	19.49	19.57	19.48	21.40
3	16QAM	8	0	19.55	19.59	19.42	21.40
3	16QAM	8	4	19.51	19.58	19.53	21.40
3	16QAM	8	7	19.49	19.61	19.58	21.40
3	16QAM	15	0	19.42	19.51	19.44	21.40
3	64QAM	1	0	19.41	19.72	19.43	21.40
3	64QAM	1	8	19.50	19.56	19.47	21.40
3	64QAM	1	14	19.55	19.58	19.55	21.40
3	64QAM	8	0	19.19	19.36	19.14	21.00
3	64QAM	8	4	19.17	19.18	19.15	21.00
3	64QAM	8	7	19.28	19.26	19.14	21.00
3	64QAM	15	0	19.37	19.34	19.21	21.00
3	256QAM	1	0	17.74	17.62	17.63	19.00
3	256QAM	1	8	17.60	17.70	17.59	19.00
3	256QAM	1	14	17.63	17.56	17.55	19.00
3	256QAM	8	0	17.68	17.63	17.57	19.00
3	256QAM	8	4	17.60	17.65	17.45	19.00
3	256QAM	8	7	17.59	17.69	17.65	19.00
3	256QAM	15	0	17.58	17.71	17.53	19.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	19.64	19.72	19.51	21.40
1.4	QPSK	1	3	19.46	19.59	19.47	21.40
1.4	QPSK	1	5	19.52	19.55	19.54	21.40
1.4	QPSK	3	0	19.40	19.71	19.46	21.40
1.4	QPSK	3	1	19.45	19.53	19.50	21.40
1.4	QPSK	3	3	19.50	19.67	19.46	21.40
1.4	QPSK	6	0	19.54	19.56	19.50	21.40
1.4	16QAM	1	0	19.54	19.58	19.60	21.40
1.4	16QAM	1	3	19.52	19.59	19.52	21.40
1.4	16QAM	1	5	19.50	19.66	19.49	21.40
1.4	16QAM	3	0	19.47	19.50	19.50	21.40
1.4	16QAM	3	1	19.49	19.66	19.49	21.40
1.4	16QAM	3	3	19.55	19.59	19.60	21.40
1.4	16QAM	6	0	19.48	19.43	19.46	21.40
1.4	64QAM	1	0	19.41	19.66	19.41	21.40
1.4	64QAM	1	3	19.46	19.59	19.40	21.40
1.4	64QAM	1	5	19.44	19.49	19.59	21.40
1.4	64QAM	3	0	19.67	19.67	19.62	21.40
1.4	64QAM	3	1	19.64	19.58	19.55	21.40
1.4	64QAM	3	3	19.69	19.65	19.54	21.40
1.4	64QAM	6	0	19.32	19.23	19.15	21.00
1.4	256QAM	1	0	17.72	17.62	17.58	19.00
1.4	256QAM	1	3	17.61	17.74	17.49	19.00
1.4	256QAM	1	5	17.73	17.58	17.57	19.00
1.4	256QAM	3	0	17.59	17.62	17.53	19.00
1.4	256QAM	3	1	17.66	17.68	17.47	19.00
1.4	256QAM	3	3	17.63	17.69	17.56	19.00
1.4	256QAM	6	0	17.35	17.52	17.34	19.00

【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	22.64	22.85	22.80	
20	QPSK	1	49	22.24	22.57	22.44	24.00
20	QPSK	1	99	22.34	22.65	22.45	24.00
20	QPSK	50	0	21.81	21.83	21.77	23.00
20	QPSK	50	24	21.42	21.75	21.58	23.00
20	QPSK	50	50	21.44	21.74	21.64	23.00
20	QPSK	100	0	21.46	21.76	21.57	23.00
20	16QAM	1	0	21.57	21.82	21.68	23.00
20	16QAM	1	49	21.49	21.71	21.53	23.00
20	16QAM	1	99	21.35	21.64	21.52	23.00
20	16QAM	50	0	20.51	20.81	20.70	22.00



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20	16QAM	50	24	20.36	20.66	20.56	22.00
20	16QAM	50	50	20.48	20.72	20.55	22.00
20	16QAM	100	0	20.47	20.71	20.63	22.00
20	64QAM	1	0	20.52	20.84	20.76	22.00
20	64QAM	1	49	20.38	20.64	20.58	22.00
20	64QAM	1	99	20.44	20.76	20.63	22.00
20	64QAM	50	0	19.58	19.83	19.75	21.00
20	64QAM	50	24	19.43	19.76	19.70	21.00
20	64QAM	50	50	19.40	19.73	19.60	21.00
20	64QAM	100	0	19.49	19.81	19.65	21.00
20	256QAM	1	0	17.59	17.78	17.61	19.00
20	256QAM	1	49	17.41	17.63	17.47	19.00
20	256QAM	1	99	17.46	17.66	17.55	19.00
20	256QAM	50	0	17.49	17.73	17.58	19.00
20	256QAM	50	24	17.44	17.68	17.51	19.00
20	256QAM	50	50	17.54	17.73	17.58	19.00
20	256QAM	100	0	17.47	17.69	17.54	19.00
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	22.53	22.75	22.73	24.00
15	QPSK	1	37	22.21	22.54	22.32	24.00
15	QPSK	1	74	22.21	22.56	22.37	24.00
15	QPSK	36	0	21.76	21.75	21.73	23.00
15	QPSK	36	20	21.39	21.69	21.50	23.00
15	QPSK	36	39	21.41	21.67	21.54	23.00
15	QPSK	75	0	21.32	21.72	21.53	23.00
15	16QAM	1	0	21.49	21.79	21.58	23.00
15	16QAM	1	37	21.48	21.63	21.48	23.00
15	16QAM	1	74	21.33	21.61	21.41	23.00
15	16QAM	36	0	20.49	20.72	20.64	22.00
15	16QAM	36	20	20.33	20.63	20.47	22.00
15	16QAM	36	39	20.44	20.63	20.43	22.00
15	16QAM	75	0	20.33	20.65	20.58	22.00
15	64QAM	1	0	20.38	20.82	20.63	22.00
15	64QAM	1	37	20.25	20.56	20.51	22.00
15	64QAM	1	74	20.29	20.74	20.54	22.00
15	64QAM	36	0	19.55	19.76	19.71	21.00
15	64QAM	36	20	19.41	19.63	19.65	21.00
15	64QAM	36	39	19.39	19.59	19.48	21.00
15	64QAM	75	0	19.40	19.69	19.57	21.00
15	256QAM	1	0	17.57	17.70	17.58	19.00
15	256QAM	1	37	17.31	17.53	17.35	19.00
15	256QAM	1	74	17.36	17.53	17.53	19.00
15	256QAM	36	0	17.47	17.68	17.52	19.00
15	256QAM	36	20	17.31	17.62	17.37	19.00
15	256QAM	36	39	17.53	17.64	17.55	19.00
15	256QAM	75	0	17.46	17.66	17.50	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	22.56	22.75	22.79	24.00
10	QPSK	1	25	22.18	22.44	22.32	24.00
10	QPSK	1	49	22.20	22.51	22.31	24.00
10	QPSK	25	0	21.71	21.79	21.75	23.00
10	QPSK	25	12	21.40	21.68	21.49	23.00
10	QPSK	25	25	21.40	21.65	21.54	23.00
10	QPSK	50	0	21.44	21.73	21.50	23.00
10	16QAM	1	0	21.50	21.75	21.55	23.00
10	16QAM	1	25	21.44	21.60	21.47	23.00
10	16QAM	1	49	21.21	21.53	21.47	23.00
10	16QAM	25	0	20.48	20.69	20.67	22.00
10	16QAM	25	12	20.31	20.53	20.49	22.00
10	16QAM	25	25	20.37	20.71	20.51	22.00
10	16QAM	50	0	20.41	20.58	20.49	22.00
10	64QAM	1	0	20.45	20.73	20.73	22.00
10	64QAM	1	25	20.29	20.53	20.46	22.00
10	64QAM	1	49	20.34	20.71	20.51	22.00
10	64QAM	25	0	19.43	19.75	19.64	21.00
10	64QAM	25	12	19.32	19.73	19.57	21.00
10	64QAM	25	25	19.35	19.66	19.56	21.00
10	64QAM	50	0	19.38	19.70	19.63	21.00
10	256QAM	1	0	17.44	17.64	17.56	19.00
10	256QAM	1	25	17.38	17.50	17.37	19.00
10	256QAM	1	49	17.33	17.58	17.46	19.00
10	256QAM	25	0	17.40	17.64	17.54	19.00
10	256QAM	25	12	17.36	17.66	17.43	19.00
10	256QAM	25	25	17.53	17.59	17.46	19.00
10	256QAM	50	0	17.32	17.55	17.43	19.00
Channel				20775	21100	21425	Tune-up limit



Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	22.57	22.80	22.67	24.00
5	QPSK	1	12	22.17	22.48	22.30	24.00
5	QPSK	1	24	22.21	22.57	22.37	24.00
5	QPSK	12	0	21.68	21.68	21.72	23.00
5	QPSK	12	7	21.39	21.66	21.47	23.00
5	QPSK	12	13	21.35	21.60	21.51	23.00
5	QPSK	25	0	21.32	21.63	21.47	23.00
5	16QAM	1	0	21.45	21.72	21.64	23.00
5	16QAM	1	12	21.44	21.64	21.51	23.00
5	16QAM	1	24	21.33	21.60	21.40	23.00
5	16QAM	12	0	20.48	20.71	20.56	22.00
5	16QAM	12	7	20.23	20.61	20.43	22.00
5	16QAM	12	13	20.35	20.58	20.47	22.00
5	16QAM	25	0	20.45	20.64	20.53	22.00
5	64QAM	1	0	20.50	20.78	20.66	22.00
5	64QAM	1	12	20.35	20.62	20.55	22.00
5	64QAM	1	24	20.35	20.71	20.52	22.00
5	64QAM	12	0	19.44	19.81	19.64	21.00
5	64QAM	12	7	19.31	19.73	19.65	21.00
5	64QAM	12	13	19.32	19.70	19.52	21.00
5	64QAM	25	0	19.37	19.69	19.51	21.00
5	256QAM	1	0	17.51	17.76	17.49	19.00
5	256QAM	1	12	17.36	17.55	17.44	19.00
5	256QAM	1	24	17.37	17.60	17.47	19.00
5	256QAM	12	0	17.39	17.66	17.44	19.00
5	256QAM	12	7	17.34	17.58	17.41	19.00
5	256QAM	12	13	17.47	17.58	17.45	19.00
5	256QAM	25	0	17.32	17.57	17.40	19.00

【LTE Band 7_Ant 0_DSI 2】

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	22.64	22.85	22.80	24.00
20	QPSK	1	49	22.24	22.57	22.44	24.00
20	QPSK	1	99	22.34	22.65	22.45	24.00
20	QPSK	50	0	21.81	21.83	21.77	23.00
20	QPSK	50	24	21.42	21.75	21.58	23.00
20	QPSK	50	50	21.44	21.74	21.64	23.00
20	QPSK	100	0	21.46	21.76	21.57	23.00
20	16QAM	1	0	21.57	21.82	21.68	23.00
20	16QAM	1	49	21.49	21.71	21.53	23.00
20	16QAM	1	99	21.35	21.64	21.52	23.00
20	16QAM	50	0	20.51	20.81	20.70	22.00
20	16QAM	50	24	20.36	20.66	20.56	22.00
20	16QAM	50	50	20.48	20.72	20.55	22.00
20	16QAM	100	0	20.47	20.71	20.63	22.00
20	64QAM	1	0	20.52	20.84	20.76	22.00
20	64QAM	1	49	20.38	20.64	20.58	22.00
20	64QAM	1	99	20.44	20.76	20.63	22.00
20	64QAM	50	0	19.58	19.83	19.75	21.00
20	64QAM	50	24	19.43	19.76	19.70	21.00
20	64QAM	50	50	19.40	19.73	19.60	21.00
20	64QAM	100	0	19.49	19.81	19.65	21.00
20	256QAM	1	0	17.59	17.78	17.61	19.00
20	256QAM	1	49	17.41	17.63	17.47	19.00
20	256QAM	1	99	17.46	17.66	17.55	19.00
20	256QAM	50	0	17.49	17.73	17.58	19.00
20	256QAM	50	24	17.44	17.68	17.51	19.00
20	256QAM	50	50	17.54	17.73	17.58	19.00
20	256QAM	100	0	17.47	17.69	17.54	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.53	22.75	22.73	24.00
15	QPSK	1	37	22.21	22.54	22.32	24.00
15	QPSK	1	74	22.21	22.56	22.37	24.00
15	QPSK	36	0	21.76	21.75	21.73	23.00
15	QPSK	36	20	21.39	21.69	21.50	23.00
15	QPSK	36	39	21.41	21.67	21.54	23.00
15	QPSK	75	0	21.32	21.72	21.53	23.00



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15	16QAM	1	0	21.49	21.79	21.58	23.00
15	16QAM	1	37	21.48	21.63	21.48	23.00
15	16QAM	1	74	21.33	21.61	21.41	23.00
15	16QAM	36	0	20.49	20.72	20.64	22.00
15	16QAM	36	20	20.33	20.63	20.47	22.00
15	16QAM	36	39	20.44	20.63	20.43	22.00
15	16QAM	75	0	20.33	20.65	20.58	22.00
15	64QAM	1	0	20.38	20.82	20.63	22.00
15	64QAM	1	37	20.25	20.56	20.51	22.00
15	64QAM	1	74	20.29	20.74	20.54	22.00
15	64QAM	36	0	19.55	19.76	19.71	21.00
15	64QAM	36	20	19.41	19.63	19.65	21.00
15	64QAM	36	39	19.39	19.59	19.48	21.00
15	64QAM	75	0	19.40	19.69	19.57	21.00
15	256QAM	1	0	17.57	17.70	17.58	19.00
15	256QAM	1	37	17.31	17.53	17.35	19.00
15	256QAM	1	74	17.36	17.53	17.53	19.00
15	256QAM	36	0	17.47	17.68	17.52	19.00
15	256QAM	36	20	17.31	17.62	17.37	19.00
15	256QAM	36	39	17.53	17.64	17.55	19.00
15	256QAM	75	0	17.46	17.66	17.50	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	22.56	22.75	22.79	24.00
10	QPSK	1	25	22.18	22.44	22.32	24.00
10	QPSK	1	49	22.20	22.51	22.31	24.00
10	QPSK	25	0	21.71	21.79	21.75	23.00
10	QPSK	25	12	21.40	21.68	21.49	23.00
10	QPSK	25	25	21.40	21.65	21.54	23.00
10	QPSK	50	0	21.44	21.73	21.50	23.00
10	16QAM	1	0	21.50	21.75	21.55	23.00
10	16QAM	1	25	21.44	21.60	21.47	23.00
10	16QAM	1	49	21.21	21.53	21.47	23.00
10	16QAM	25	0	20.48	20.69	20.67	22.00
10	16QAM	25	12	20.31	20.53	20.49	22.00
10	16QAM	25	25	20.37	20.71	20.51	22.00
10	16QAM	50	0	20.41	20.58	20.49	22.00
10	64QAM	1	0	20.45	20.73	20.73	22.00
10	64QAM	1	25	20.29	20.53	20.46	22.00
10	64QAM	1	49	20.34	20.71	20.51	22.00
10	64QAM	25	0	19.43	19.75	19.64	21.00
10	64QAM	25	12	19.32	19.73	19.57	21.00
10	64QAM	25	25	19.35	19.66	19.56	21.00
10	64QAM	50	0	19.38	19.70	19.63	21.00
10	256QAM	1	0	17.44	17.64	17.56	19.00
10	256QAM	1	25	17.38	17.50	17.37	19.00
10	256QAM	1	49	17.33	17.58	17.46	19.00
10	256QAM	25	0	17.40	17.64	17.54	19.00
10	256QAM	25	12	17.36	17.66	17.43	19.00
10	256QAM	25	25	17.53	17.59	17.46	19.00
10	256QAM	50	0	17.32	17.55	17.43	19.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	22.57	22.80	22.67	24.00
5	QPSK	1	12	22.17	22.48	22.30	24.00
5	QPSK	1	24	22.21	22.57	22.37	24.00
5	QPSK	12	0	21.68	21.68	21.72	23.00
5	QPSK	12	7	21.39	21.66	21.47	23.00
5	QPSK	12	13	21.35	21.60	21.51	23.00
5	QPSK	25	0	21.32	21.63	21.47	23.00
5	16QAM	1	0	21.45	21.72	21.64	23.00
5	16QAM	1	12	21.44	21.64	21.51	23.00
5	16QAM	1	24	21.33	21.60	21.40	23.00
5	16QAM	12	0	20.48	20.71	20.56	22.00
5	16QAM	12	7	20.23	20.61	20.43	22.00
5	16QAM	12	13	20.35	20.58	20.47	22.00
5	16QAM	25	0	20.45	20.64	20.53	22.00
5	64QAM	1	0	20.50	20.78	20.66	22.00
5	64QAM	1	12	20.35	20.62	20.55	22.00
5	64QAM	1	24	20.35	20.71	20.52	22.00
5	64QAM	12	0	19.44	19.81	19.64	21.00
5	64QAM	12	7	19.31	19.73	19.65	21.00
5	64QAM	12	13	19.32	19.70	19.52	21.00
5	64QAM	25	0	19.37	19.69	19.51	21.00
5	256QAM	1	0	17.51	17.76	17.49	19.00
5	256QAM	1	12	17.36	17.55	17.44	19.00
5	256QAM	1	24	17.37	17.60	17.47	19.00
5	256QAM	12	0	17.39	17.66	17.44	19.00



5	256QAM	12	7	17.34	17.58	17.41	19.00
5	256QAM	12	13	17.47	17.58	17.45	19.00
5	256QAM	25	0	17.32	17.57	17.40	19.00

【LTE Band 7_Ant 0_DSI 3】

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	22.64	22.85	22.80	24.00
20	QPSK	1	49	22.24	22.57	22.44	24.00
20	QPSK	1	99	22.34	22.65	22.45	24.00
20	QPSK	50	0	21.81	21.83	21.77	23.00
20	QPSK	50	24	21.42	21.75	21.58	23.00
20	QPSK	50	50	21.44	21.74	21.64	23.00
20	QPSK	100	0	21.46	21.76	21.57	23.00
20	16QAM	1	0	21.57	21.82	21.68	23.00
20	16QAM	1	49	21.49	21.71	21.53	23.00
20	16QAM	1	99	21.35	21.64	21.52	23.00
20	16QAM	50	0	20.51	20.81	20.70	22.00
20	16QAM	50	24	20.36	20.66	20.56	22.00
20	16QAM	50	50	20.48	20.72	20.55	22.00
20	16QAM	100	0	20.47	20.71	20.63	22.00
20	64QAM	1	0	20.52	20.84	20.76	22.00
20	64QAM	1	49	20.38	20.64	20.58	22.00
20	64QAM	1	99	20.44	20.76	20.63	22.00
20	64QAM	50	0	19.58	19.83	19.75	21.00
20	64QAM	50	24	19.43	19.76	19.70	21.00
20	64QAM	50	50	19.40	19.73	19.60	21.00
20	64QAM	100	0	19.49	19.81	19.65	21.00
20	256QAM	1	0	17.59	17.78	17.61	19.00
20	256QAM	1	49	17.41	17.63	17.47	19.00
20	256QAM	1	99	17.46	17.66	17.55	19.00
20	256QAM	50	0	17.49	17.73	17.58	19.00
20	256QAM	50	24	17.44	17.68	17.51	19.00
20	256QAM	50	50	17.54	17.73	17.58	19.00
20	256QAM	100	0	17.47	17.69	17.54	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.53	22.75	22.73	24.00
15	QPSK	1	37	22.21	22.54	22.32	24.00
15	QPSK	1	74	22.21	22.56	22.37	24.00
15	QPSK	36	0	21.76	21.75	21.73	23.00
15	QPSK	36	20	21.39	21.69	21.50	23.00
15	QPSK	36	39	21.41	21.67	21.54	23.00
15	QPSK	75	0	21.32	21.72	21.53	23.00
15	16QAM	1	0	21.49	21.79	21.58	23.00
15	16QAM	1	37	21.48	21.63	21.48	23.00
15	16QAM	1	74	21.33	21.61	21.41	23.00
15	16QAM	36	0	20.49	20.72	20.64	22.00
15	16QAM	36	20	20.33	20.63	20.47	22.00
15	16QAM	36	39	20.44	20.63	20.43	22.00
15	16QAM	75	0	20.33	20.65	20.58	22.00
15	64QAM	1	0	20.38	20.82	20.63	22.00
15	64QAM	1	37	20.25	20.56	20.51	22.00
15	64QAM	1	74	20.29	20.74	20.54	22.00
15	64QAM	36	0	19.55	19.76	19.71	21.00
15	64QAM	36	20	19.41	19.63	19.65	21.00
15	64QAM	36	39	19.39	19.59	19.48	21.00
15	64QAM	75	0	19.40	19.69	19.57	21.00
15	256QAM	1	0	17.57	17.70	17.58	19.00
15	256QAM	1	37	17.31	17.53	17.35	19.00
15	256QAM	1	74	17.36	17.53	17.53	19.00
15	256QAM	36	0	17.47	17.68	17.52	19.00
15	256QAM	36	20	17.31	17.62	17.37	19.00
15	256QAM	36	39	17.53	17.64	17.55	19.00
15	256QAM	75	0	17.46	17.66	17.50	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.56	22.75	22.79	24.00
10	QPSK	1	25	22.18	22.44	22.32	24.00
10	QPSK	1	49	22.20	22.51	22.31	24.00



10	QPSK	25	0	21.71	21.79	21.75	23.00
10	QPSK	25	12	21.40	21.68	21.49	23.00
10	QPSK	25	25	21.40	21.65	21.54	23.00
10	QPSK	50	0	21.44	21.73	21.50	23.00
10	16QAM	1	0	21.50	21.75	21.55	23.00
10	16QAM	1	25	21.44	21.60	21.47	23.00
10	16QAM	1	49	21.21	21.53	21.47	23.00
10	16QAM	25	0	20.48	20.69	20.67	22.00
10	16QAM	25	12	20.31	20.53	20.49	22.00
10	16QAM	25	25	20.37	20.71	20.51	22.00
10	16QAM	50	0	20.41	20.58	20.49	22.00
10	64QAM	1	0	20.45	20.73	20.73	22.00
10	64QAM	1	25	20.29	20.53	20.46	22.00
10	64QAM	1	49	20.34	20.71	20.51	22.00
10	64QAM	25	0	19.43	19.75	19.64	21.00
10	64QAM	25	12	19.32	19.73	19.57	21.00
10	64QAM	25	25	19.35	19.66	19.56	21.00
10	64QAM	50	0	19.38	19.70	19.63	21.00
10	256QAM	1	0	17.44	17.64	17.56	19.00
10	256QAM	1	25	17.38	17.50	17.37	19.00
10	256QAM	1	49	17.33	17.58	17.46	19.00
10	256QAM	25	0	17.40	17.64	17.54	19.00
10	256QAM	25	12	17.36	17.66	17.43	19.00
10	256QAM	25	25	17.53	17.59	17.46	19.00
10	256QAM	50	0	17.32	17.55	17.43	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.57	22.80	22.67	24.00
5	QPSK	1	12	22.17	22.48	22.30	24.00
5	QPSK	1	24	22.21	22.57	22.37	24.00
5	QPSK	12	0	21.68	21.68	21.72	23.00
5	QPSK	12	7	21.39	21.66	21.47	23.00
5	QPSK	12	13	21.35	21.60	21.51	23.00
5	QPSK	25	0	21.32	21.63	21.47	23.00
5	16QAM	1	0	21.45	21.72	21.64	23.00
5	16QAM	1	12	21.44	21.64	21.51	23.00
5	16QAM	1	24	21.33	21.60	21.40	23.00
5	16QAM	12	0	20.48	20.71	20.56	22.00
5	16QAM	12	7	20.23	20.61	20.43	22.00
5	16QAM	12	13	20.35	20.58	20.47	22.00
5	16QAM	25	0	20.45	20.64	20.53	22.00
5	64QAM	1	0	20.50	20.78	20.66	22.00
5	64QAM	1	12	20.35	20.62	20.55	22.00
5	64QAM	1	24	20.35	20.71	20.52	22.00
5	64QAM	12	0	19.44	19.81	19.64	21.00
5	64QAM	12	7	19.31	19.73	19.65	21.00
5	64QAM	12	13	19.32	19.70	19.52	21.00
5	64QAM	25	0	19.37	19.69	19.51	21.00
5	256QAM	1	0	17.51	17.76	17.49	19.00
5	256QAM	1	12	17.36	17.55	17.44	19.00
5	256QAM	1	24	17.37	17.60	17.47	19.00
5	256QAM	12	0	17.39	17.66	17.44	19.00
5	256QAM	12	7	17.34	17.58	17.41	19.00
5	256QAM	12	13	17.47	17.58	17.45	19.00
5	256QAM	25	0	17.32	17.57	17.40	19.00

【LTE Band 7_Ant 0_DSI 4】

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	22.64	22.85	22.80	24.00
20	QPSK	1	49	22.24	22.57	22.44	24.00
20	QPSK	1	99	22.34	22.65	22.45	24.00
20	QPSK	50	0	21.81	21.83	21.77	23.00
20	QPSK	50	24	21.42	21.75	21.58	23.00
20	QPSK	50	50	21.44	21.74	21.64	23.00
20	QPSK	100	0	21.46	21.76	21.57	23.00
20	16QAM	1	0	21.57	21.82	21.68	23.00
20	16QAM	1	49	21.49	21.71	21.53	23.00
20	16QAM	1	99	21.35	21.64	21.52	23.00
20	16QAM	50	0	20.51	20.81	20.70	22.00



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20	16QAM	50	24	20.36	20.66	20.56	22.00
20	16QAM	50	50	20.48	20.72	20.55	22.00
20	16QAM	100	0	20.47	20.71	20.63	22.00
20	64QAM	1	0	20.52	20.84	20.76	22.00
20	64QAM	1	49	20.38	20.64	20.58	22.00
20	64QAM	1	99	20.44	20.76	20.63	22.00
20	64QAM	50	0	19.58	19.83	19.75	21.00
20	64QAM	50	24	19.43	19.76	19.70	21.00
20	64QAM	50	50	19.40	19.73	19.60	21.00
20	64QAM	100	0	19.49	19.81	19.65	21.00
20	256QAM	1	0	17.59	17.78	17.61	19.00
20	256QAM	1	49	17.41	17.63	17.47	19.00
20	256QAM	1	99	17.46	17.66	17.55	19.00
20	256QAM	50	0	17.49	17.73	17.58	19.00
20	256QAM	50	24	17.44	17.68	17.51	19.00
20	256QAM	50	50	17.54	17.73	17.58	19.00
20	256QAM	100	0	17.47	17.69	17.54	19.00
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	22.53	22.75	22.73	24.00
15	QPSK	1	37	22.21	22.54	22.32	24.00
15	QPSK	1	74	22.21	22.56	22.37	24.00
15	QPSK	36	0	21.76	21.75	21.73	23.00
15	QPSK	36	20	21.39	21.69	21.50	23.00
15	QPSK	36	39	21.41	21.67	21.54	23.00
15	QPSK	75	0	21.32	21.72	21.53	23.00
15	16QAM	1	0	21.49	21.79	21.58	23.00
15	16QAM	1	37	21.48	21.63	21.48	23.00
15	16QAM	1	74	21.33	21.61	21.41	23.00
15	16QAM	36	0	20.49	20.72	20.64	22.00
15	16QAM	36	20	20.33	20.63	20.47	22.00
15	16QAM	36	39	20.44	20.63	20.43	22.00
15	16QAM	75	0	20.33	20.65	20.58	22.00
15	64QAM	1	0	20.38	20.82	20.63	22.00
15	64QAM	1	37	20.25	20.56	20.51	22.00
15	64QAM	1	74	20.29	20.74	20.54	22.00
15	64QAM	36	0	19.55	19.76	19.71	21.00
15	64QAM	36	20	19.41	19.63	19.65	21.00
15	64QAM	36	39	19.39	19.59	19.48	21.00
15	64QAM	75	0	19.40	19.69	19.57	21.00
15	256QAM	1	0	17.57	17.70	17.58	19.00
15	256QAM	1	37	17.31	17.53	17.35	19.00
15	256QAM	1	74	17.36	17.53	17.53	19.00
15	256QAM	36	0	17.47	17.68	17.52	19.00
15	256QAM	36	20	17.31	17.62	17.37	19.00
15	256QAM	36	39	17.53	17.64	17.55	19.00
15	256QAM	75	0	17.46	17.66	17.50	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	22.56	22.75	22.79	24.00
10	QPSK	1	25	22.18	22.44	22.32	24.00
10	QPSK	1	49	22.20	22.51	22.31	24.00
10	QPSK	25	0	21.71	21.79	21.75	23.00
10	QPSK	25	12	21.40	21.68	21.49	23.00
10	QPSK	25	25	21.40	21.65	21.54	23.00
10	QPSK	50	0	21.44	21.73	21.50	23.00
10	16QAM	1	0	21.50	21.75	21.55	23.00
10	16QAM	1	25	21.44	21.60	21.47	23.00
10	16QAM	1	49	21.21	21.53	21.47	23.00
10	16QAM	25	0	20.48	20.69	20.67	22.00
10	16QAM	25	12	20.31	20.53	20.49	22.00
10	16QAM	25	25	20.37	20.71	20.51	22.00
10	16QAM	50	0	20.41	20.58	20.49	22.00
10	64QAM	1	0	20.45	20.73	20.73	22.00
10	64QAM	1	25	20.29	20.53	20.46	22.00
10	64QAM	1	49	20.34	20.71	20.51	22.00
10	64QAM	25	0	19.43	19.75	19.64	21.00
10	64QAM	25	12	19.32	19.73	19.57	21.00
10	64QAM	25	25	19.35	19.66	19.56	21.00
10	64QAM	50	0	19.38	19.70	19.63	21.00
10	256QAM	1	0	17.44	17.64	17.56	19.00
10	256QAM	1	25	17.38	17.50	17.37	19.00
10	256QAM	1	49	17.33	17.58	17.46	19.00
10	256QAM	25	0	17.40	17.64	17.54	19.00
10	256QAM	25	12	17.36	17.66	17.43	19.00
10	256QAM	25	25	17.53	17.59	17.46	19.00
10	256QAM	50	0	17.32	17.55	17.43	19.00
Channel				20775	21100	21425	Tune-up limit



Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	22.57	22.80	22.67	24.00
5	QPSK	1	12	22.17	22.48	22.30	24.00
5	QPSK	1	24	22.21	22.57	22.37	24.00
5	QPSK	12	0	21.68	21.68	21.72	23.00
5	QPSK	12	7	21.39	21.66	21.47	23.00
5	QPSK	12	13	21.35	21.60	21.51	23.00
5	QPSK	25	0	21.32	21.63	21.47	23.00
5	16QAM	1	0	21.45	21.72	21.64	23.00
5	16QAM	1	12	21.44	21.64	21.51	23.00
5	16QAM	1	24	21.33	21.60	21.40	23.00
5	16QAM	12	0	20.48	20.71	20.56	22.00
5	16QAM	12	7	20.23	20.61	20.43	22.00
5	16QAM	12	13	20.35	20.58	20.47	22.00
5	16QAM	25	0	20.45	20.64	20.53	22.00
5	64QAM	1	0	20.50	20.78	20.66	22.00
5	64QAM	1	12	20.35	20.62	20.55	22.00
5	64QAM	1	24	20.35	20.71	20.52	22.00
5	64QAM	12	0	19.44	19.81	19.64	21.00
5	64QAM	12	7	19.31	19.73	19.65	21.00
5	64QAM	12	13	19.32	19.70	19.52	21.00
5	64QAM	25	0	19.37	19.69	19.51	21.00
5	256QAM	1	0	17.51	17.76	17.49	19.00
5	256QAM	1	12	17.36	17.55	17.44	19.00
5	256QAM	1	24	17.37	17.60	17.47	19.00
5	256QAM	12	0	17.39	17.66	17.44	19.00
5	256QAM	12	7	17.34	17.58	17.41	19.00
5	256QAM	12	13	17.47	17.58	17.45	19.00
5	256QAM	25	0	17.32	17.57	17.40	19.00

【LTE Band 7_Ant 0_DSI 6】

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	22.64	22.85	22.80	24.00
20	QPSK	1	49	22.24	22.57	22.44	24.00
20	QPSK	1	99	22.34	22.65	22.45	24.00
20	QPSK	50	0	21.81	21.83	21.77	23.00
20	QPSK	50	24	21.42	21.75	21.58	23.00
20	QPSK	50	50	21.44	21.74	21.64	23.00
20	QPSK	100	0	21.46	21.76	21.57	23.00
20	16QAM	1	0	21.57	21.82	21.68	23.00
20	16QAM	1	49	21.49	21.71	21.53	23.00
20	16QAM	1	99	21.35	21.64	21.52	23.00
20	16QAM	50	0	20.51	20.81	20.70	22.00
20	16QAM	50	24	20.36	20.66	20.56	22.00
20	16QAM	50	50	20.48	20.72	20.55	22.00
20	16QAM	100	0	20.47	20.71	20.63	22.00
20	64QAM	1	0	20.52	20.84	20.76	22.00
20	64QAM	1	49	20.38	20.64	20.58	22.00
20	64QAM	1	99	20.44	20.76	20.63	22.00
20	64QAM	50	0	19.58	19.83	19.75	21.00
20	64QAM	50	24	19.43	19.76	19.70	21.00
20	64QAM	50	50	19.40	19.73	19.60	21.00
20	64QAM	100	0	19.49	19.81	19.65	21.00
20	256QAM	1	0	17.59	17.78	17.61	19.00
20	256QAM	1	49	17.41	17.63	17.47	19.00
20	256QAM	1	99	17.46	17.66	17.55	19.00
20	256QAM	50	0	17.49	17.73	17.58	19.00
20	256QAM	50	24	17.44	17.68	17.51	19.00
20	256QAM	50	50	17.54	17.73	17.58	19.00
20	256QAM	100	0	17.47	17.69	17.54	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.53	22.75	22.73	24.00
15	QPSK	1	37	22.21	22.54	22.32	24.00
15	QPSK	1	74	22.21	22.56	22.37	24.00
15	QPSK	36	0	21.76	21.75	21.73	23.00
15	QPSK	36	20	21.39	21.69	21.50	23.00
15	QPSK	36	39	21.41	21.67	21.54	23.00
15	QPSK	75	0	21.32	21.72	21.53	23.00



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15	16QAM	1	0	21.49	21.79	21.58	23.00
15	16QAM	1	37	21.48	21.63	21.48	23.00
15	16QAM	1	74	21.33	21.61	21.41	23.00
15	16QAM	36	0	20.49	20.72	20.64	22.00
15	16QAM	36	20	20.33	20.63	20.47	22.00
15	16QAM	36	39	20.44	20.63	20.43	22.00
15	16QAM	75	0	20.33	20.65	20.58	22.00
15	64QAM	1	0	20.38	20.82	20.63	22.00
15	64QAM	1	37	20.25	20.56	20.51	22.00
15	64QAM	1	74	20.29	20.74	20.54	22.00
15	64QAM	36	0	19.55	19.76	19.71	21.00
15	64QAM	36	20	19.41	19.63	19.65	21.00
15	64QAM	36	39	19.39	19.59	19.48	21.00
15	64QAM	75	0	19.40	19.69	19.57	21.00
15	256QAM	1	0	17.57	17.70	17.58	19.00
15	256QAM	1	37	17.31	17.53	17.35	19.00
15	256QAM	1	74	17.36	17.53	17.53	19.00
15	256QAM	36	0	17.47	17.68	17.52	19.00
15	256QAM	36	20	17.31	17.62	17.37	19.00
15	256QAM	36	39	17.53	17.64	17.55	19.00
15	256QAM	75	0	17.46	17.66	17.50	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	22.56	22.75	22.79	24.00
10	QPSK	1	25	22.18	22.44	22.32	24.00
10	QPSK	1	49	22.20	22.51	22.31	24.00
10	QPSK	25	0	21.71	21.79	21.75	23.00
10	QPSK	25	12	21.40	21.68	21.49	23.00
10	QPSK	25	25	21.40	21.65	21.54	23.00
10	QPSK	50	0	21.44	21.73	21.50	23.00
10	16QAM	1	0	21.50	21.75	21.55	23.00
10	16QAM	1	25	21.44	21.60	21.47	23.00
10	16QAM	1	49	21.21	21.53	21.47	23.00
10	16QAM	25	0	20.48	20.69	20.67	22.00
10	16QAM	25	12	20.31	20.53	20.49	22.00
10	16QAM	25	25	20.37	20.71	20.51	22.00
10	16QAM	50	0	20.41	20.58	20.49	22.00
10	64QAM	1	0	20.45	20.73	20.73	22.00
10	64QAM	1	25	20.29	20.53	20.46	22.00
10	64QAM	1	49	20.34	20.71	20.51	22.00
10	64QAM	25	0	19.43	19.75	19.64	21.00
10	64QAM	25	12	19.32	19.73	19.57	21.00
10	64QAM	25	25	19.35	19.66	19.56	21.00
10	64QAM	50	0	19.38	19.70	19.63	21.00
10	256QAM	1	0	17.44	17.64	17.56	19.00
10	256QAM	1	25	17.38	17.50	17.37	19.00
10	256QAM	1	49	17.33	17.58	17.46	19.00
10	256QAM	25	0	17.40	17.64	17.54	19.00
10	256QAM	25	12	17.36	17.66	17.43	19.00
10	256QAM	25	25	17.53	17.59	17.46	19.00
10	256QAM	50	0	17.32	17.55	17.43	19.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	22.57	22.80	22.67	24.00
5	QPSK	1	12	22.17	22.48	22.30	24.00
5	QPSK	1	24	22.21	22.57	22.37	24.00
5	QPSK	12	0	21.68	21.68	21.72	23.00
5	QPSK	12	7	21.39	21.66	21.47	23.00
5	QPSK	12	13	21.35	21.60	21.51	23.00
5	QPSK	25	0	21.32	21.63	21.47	23.00
5	16QAM	1	0	21.45	21.72	21.64	23.00
5	16QAM	1	12	21.44	21.64	21.51	23.00
5	16QAM	1	24	21.33	21.60	21.40	23.00
5	16QAM	12	0	20.48	20.71	20.56	22.00
5	16QAM	12	7	20.23	20.61	20.43	22.00
5	16QAM	12	13	20.35	20.58	20.47	22.00
5	16QAM	25	0	20.45	20.64	20.53	22.00
5	64QAM	1	0	20.50	20.78	20.66	22.00
5	64QAM	1	12	20.35	20.62	20.55	22.00
5	64QAM	1	24	20.35	20.71	20.52	22.00
5	64QAM	12	0	19.44	19.81	19.64	21.00
5	64QAM	12	7	19.31	19.73	19.65	21.00
5	64QAM	12	13	19.32	19.70	19.52	21.00
5	64QAM	25	0	19.37	19.69	19.51	21.00
5	256QAM	1	0	17.51	17.76	17.49	19.00
5	256QAM	1	12	17.36	17.55	17.44	19.00
5	256QAM	1	24	17.37	17.60	17.47	19.00
5	256QAM	12	0	17.39	17.66	17.44	19.00



5	256QAM	12	7	17.34	17.58	17.41	19.00
5	256QAM	12	13	17.47	17.58	17.45	19.00
5	256QAM	25	0	17.32	17.57	17.40	19.00

【LTE Band 7_Ant 0_DSI 7】

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	20.65	20.68	20.61	21.80
20	QPSK	1	49	20.46	20.54	20.36	21.80
20	QPSK	1	99	20.49	20.56	20.36	21.80
20	QPSK	50	0	20.56	20.59	20.55	21.80
20	QPSK	50	24	20.35	20.51	20.40	21.80
20	QPSK	50	50	20.22	20.38	20.20	21.80
20	QPSK	100	0	20.51	20.56	20.53	21.80
20	16QAM	1	0	20.32	20.44	20.29	21.80
20	16QAM	1	49	20.33	20.45	20.25	21.80
20	16QAM	1	99	20.31	20.43	20.35	21.80
20	16QAM	50	0	20.29	20.42	20.25	21.80
20	16QAM	50	24	20.46	20.50	20.29	21.80
20	16QAM	50	50	20.43	20.48	20.27	21.80
20	16QAM	100	0	20.35	20.51	20.41	21.80
20	64QAM	1	0	20.47	20.57	20.39	21.80
20	64QAM	1	49	20.44	20.58	20.39	21.80
20	64QAM	1	99	20.22	20.39	20.29	21.80
20	64QAM	50	0	19.58	19.83	19.75	21.00
20	64QAM	50	24	19.43	19.76	19.70	21.00
20	64QAM	50	50	19.40	19.73	19.60	21.00
20	64QAM	100	0	19.49	19.81	19.65	21.00
20	256QAM	1	0	17.59	17.78	17.61	19.00
20	256QAM	1	49	17.41	17.63	17.47	19.00
20	256QAM	1	99	17.46	17.66	17.55	19.00
20	256QAM	50	0	17.49	17.73	17.58	19.00
20	256QAM	50	24	17.44	17.68	17.51	19.00
20	256QAM	50	50	17.54	17.73	17.58	19.00
20	256QAM	100	0	17.47	17.69	17.54	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.53	20.53	20.55	21.80
15	QPSK	1	37	20.35	20.45	20.22	21.80
15	QPSK	1	74	20.48	20.51	20.24	21.80
15	QPSK	36	0	20.53	20.45	20.46	21.80
15	QPSK	36	20	20.31	20.45	20.37	21.80
15	QPSK	36	39	20.10	20.36	20.19	21.80
15	QPSK	75	0	20.46	20.48	20.49	21.80
15	16QAM	1	0	20.21	20.31	20.24	21.80
15	16QAM	1	37	20.32	20.40	20.13	21.80
15	16QAM	1	74	20.22	20.36	20.21	21.80
15	16QAM	36	0	20.26	20.33	20.16	21.80
15	16QAM	36	20	20.42	20.42	20.24	21.80
15	16QAM	36	39	20.32	20.46	20.12	21.80
15	16QAM	75	0	20.30	20.43	20.29	21.80
15	64QAM	1	0	20.45	20.45	20.31	21.80
15	64QAM	1	37	20.32	20.49	20.37	21.80
15	64QAM	1	74	20.21	20.38	20.17	21.80
15	64QAM	36	0	19.47	19.75	19.68	21.00
15	64QAM	36	20	19.30	19.63	19.61	21.00
15	64QAM	36	39	19.27	19.70	19.57	21.00
15	64QAM	75	0	19.35	19.72	19.62	21.00
15	256QAM	1	0	17.47	17.66	17.46	19.00
15	256QAM	1	37	17.37	17.60	17.38	19.00
15	256QAM	1	74	17.40	17.52	17.49	19.00
15	256QAM	36	0	17.46	17.67	17.50	19.00
15	256QAM	36	20	17.33	17.56	17.49	19.00
15	256QAM	36	39	17.45	17.66	17.46	19.00
15	256QAM	75	0	17.46	17.56	17.46	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.54	20.60	20.52	21.80
10	QPSK	1	25	20.41	20.47	20.29	21.80
10	QPSK	1	49	20.40	20.45	20.29	21.80



10	QPSK	25	0	20.52	20.58	20.41	21.80
10	QPSK	25	12	20.22	20.37	20.27	21.80
10	QPSK	25	25	20.12	20.36	20.16	21.80
10	QPSK	50	0	20.37	20.46	20.44	21.80
10	16QAM	1	0	20.24	20.41	20.28	21.80
10	16QAM	1	25	20.29	20.36	20.22	21.80
10	16QAM	1	49	20.22	20.38	20.23	21.80
10	16QAM	25	0	20.27	20.30	20.11	21.80
10	16QAM	25	12	20.39	20.44	20.15	21.80
10	16QAM	25	25	20.32	20.44	20.19	21.80
10	16QAM	50	0	20.25	20.39	20.34	21.80
10	64QAM	1	0	20.38	20.49	20.24	21.80
10	64QAM	1	25	20.38	20.44	20.30	21.80
10	64QAM	1	49	20.16	20.25	20.20	21.80
10	64QAM	25	0	19.46	19.75	19.70	21.00
10	64QAM	25	12	19.37	19.69	19.61	21.00
10	64QAM	25	25	19.33	19.61	19.58	21.00
10	64QAM	50	0	19.48	19.79	19.55	21.00
10	256QAM	1	0	17.52	17.76	17.49	19.00
10	256QAM	1	25	17.28	17.51	17.42	19.00
10	256QAM	1	49	17.36	17.64	17.43	19.00
10	256QAM	25	0	17.37	17.62	17.51	19.00
10	256QAM	25	12	17.43	17.62	17.48	19.00
10	256QAM	25	25	17.52	17.60	17.43	19.00
10	256QAM	50	0	17.37	17.68	17.53	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.59	20.56	20.48	21.80
5	QPSK	1	12	20.43	20.51	20.28	21.80
5	QPSK	1	24	20.36	20.48	20.34	21.80
5	QPSK	12	0	20.46	20.49	20.41	21.80
5	QPSK	12	7	20.30	20.45	20.36	21.80
5	QPSK	12	13	20.16	20.31	20.11	21.80
5	QPSK	25	0	20.46	20.44	20.41	21.80
5	16QAM	1	0	20.17	20.36	20.25	21.80
5	16QAM	1	12	20.25	20.39	20.11	21.80
5	16QAM	1	24	20.19	20.32	20.29	21.80
5	16QAM	12	0	20.16	20.29	20.11	21.80
5	16QAM	12	7	20.37	20.38	20.28	21.80
5	16QAM	12	13	20.34	20.36	20.13	21.80
5	16QAM	25	0	20.31	20.42	20.32	21.80
5	64QAM	1	0	20.42	20.49	20.26	21.80
5	64QAM	1	12	20.35	20.51	20.36	21.80
5	64QAM	1	24	20.16	20.32	20.27	21.80
5	64QAM	12	0	19.51	19.71	19.63	21.00
5	64QAM	12	7	19.36	19.63	19.63	21.00
5	64QAM	12	13	19.32	19.63	19.45	21.00
5	64QAM	25	0	19.37	19.80	19.54	21.00
5	256QAM	1	0	17.56	17.66	17.52	19.00
5	256QAM	1	12	17.29	17.56	17.33	19.00
5	256QAM	1	24	17.36	17.63	17.48	19.00
5	256QAM	12	0	17.45	17.68	17.43	19.00
5	256QAM	12	7	17.41	17.67	17.45	19.00
5	256QAM	12	13	17.50	17.60	17.48	19.00
5	256QAM	25	0	17.43	17.59	17.51	19.00

【LTE Band 7_Ant 0_DSI 12】

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	13.91	13.98	13.85	14.90
20	QPSK	1	49	13.80	13.83	13.74	14.90
20	QPSK	1	99	13.83	13.81	13.77	14.90
20	QPSK	50	0	13.79	13.97	13.80	14.90
20	QPSK	50	24	13.73	13.73	13.78	14.90
20	QPSK	50	50	13.72	13.71	13.78	14.90
20	QPSK	100	0	13.86	13.87	13.79	14.90
20	16QAM	1	0	13.87	13.87	13.76	14.90
20	16QAM	1	49	13.87	13.87	13.78	14.90
20	16QAM	1	99	13.84	13.92	13.70	14.90
20	16QAM	50	0	13.76	13.89	13.82	14.90



20	16QAM	50	24	13.81	13.88	13.75	14.90
20	16QAM	50	50	13.86	13.92	13.73	14.90
20	16QAM	100	0	13.84	13.85	13.74	14.90
20	64QAM	1	0	13.77	13.89	13.71	14.90
20	64QAM	1	49	13.84	13.91	13.72	14.90
20	64QAM	1	99	13.87	13.85	13.72	14.90
20	64QAM	50	0	13.80	13.92	13.74	14.90
20	64QAM	50	24	13.84	13.88	13.76	14.90
20	64QAM	50	50	13.79	13.94	13.71	14.90
20	64QAM	100	0	13.85	13.86	13.82	14.90
20	256QAM	1	0	13.82	13.91	13.75	14.90
20	256QAM	1	49	13.80	13.89	13.72	14.90
20	256QAM	1	99	13.87	13.90	13.72	14.90
20	256QAM	50	0	13.84	13.84	13.80	14.90
20	256QAM	50	24	13.77	13.86	13.73	14.90
20	256QAM	50	50	13.79	13.88	13.74	14.90
20	256QAM	100	0	13.84	13.92	13.70	14.90
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	13.78	13.89	13.82	14.90
15	QPSK	1	37	13.79	13.79	13.64	14.90
15	QPSK	1	74	13.76	13.81	13.66	14.90
15	QPSK	36	0	13.67	13.90	13.75	14.90
15	QPSK	36	20	13.81	13.85	13.66	14.90
15	QPSK	36	39	13.70	13.82	13.75	14.90
15	QPSK	75	0	13.84	13.82	13.65	14.90
15	16QAM	1	0	13.82	13.78	13.69	14.90
15	16QAM	1	37	13.85	13.84	13.66	14.90
15	16QAM	1	74	13.78	13.82	13.56	14.90
15	16QAM	36	0	13.70	13.82	13.68	14.90
15	16QAM	36	20	13.78	13.83	13.70	14.90
15	16QAM	36	39	13.81	13.77	13.63	14.90
15	16QAM	75	0	13.80	13.70	13.60	14.90
15	64QAM	1	0	13.72	13.74	13.64	14.90
15	64QAM	1	37	13.70	13.78	13.57	14.90
15	64QAM	1	74	13.78	13.72	13.62	14.90
15	64QAM	36	0	13.67	13.78	13.62	14.90
15	64QAM	36	20	13.69	13.74	13.70	14.90
15	64QAM	36	39	13.68	13.83	13.68	14.90
15	64QAM	75	0	13.77	13.85	13.79	14.90
15	256QAM	1	0	13.71	13.90	13.66	14.90
15	256QAM	1	37	13.71	13.86	13.64	14.90
15	256QAM	1	74	13.72	13.79	13.62	14.90
15	256QAM	36	0	13.72	13.80	13.75	14.90
15	256QAM	36	20	13.68	13.74	13.61	14.90
15	256QAM	36	39	13.65	13.78	13.65	14.90
15	256QAM	75	0	13.73	13.88	13.57	14.90
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	13.89	13.85	13.81	14.90
10	QPSK	1	25	13.78	13.88	13.65	14.90
10	QPSK	1	49	13.83	13.74	13.68	14.90
10	QPSK	25	0	13.67	13.85	13.75	14.90
10	QPSK	25	12	13.75	13.87	13.70	14.90
10	QPSK	25	25	13.68	13.82	13.70	14.90
10	QPSK	50	0	13.82	13.75	13.75	14.90
10	16QAM	1	0	13.73	13.86	13.74	14.90
10	16QAM	1	25	13.79	13.73	13.66	14.90
10	16QAM	1	49	13.76	13.80	13.68	14.90
10	16QAM	25	0	13.73	13.80	13.72	14.90
10	16QAM	25	12	13.69	13.85	13.72	14.90
10	16QAM	25	25	13.85	13.77	13.59	14.90
10	16QAM	50	0	13.77	13.79	13.64	14.90
10	64QAM	1	0	13.71	13.86	13.68	14.90
10	64QAM	1	25	13.75	13.76	13.62	14.90
10	64QAM	1	49	13.75	13.79	13.69	14.90
10	64QAM	25	0	13.78	13.81	13.59	14.90
10	64QAM	25	12	13.76	13.80	13.73	14.90
10	64QAM	25	25	13.68	13.91	13.63	14.90
10	64QAM	50	0	13.82	13.80	13.71	14.90
10	256QAM	1	0	13.80	13.84	13.71	14.90
10	256QAM	1	25	13.71	13.75	13.65	14.90
10	256QAM	1	49	13.84	13.84	13.70	14.90
10	256QAM	25	0	13.78	13.71	13.67	14.90
10	256QAM	25	12	13.71	13.80	13.61	14.90
10	256QAM	25	25	13.65	13.78	13.62	14.90
10	256QAM	50	0	13.77	13.90	13.67	14.90
Channel				20775	21100	21425	Tune-up limit



Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	13.86	13.92	13.72	14.90
5	QPSK	1	12	13.84	13.88	13.70	14.90
5	QPSK	1	24	13.80	13.74	13.63	14.90
5	QPSK	12	0	13.69	13.91	13.75	14.90
5	QPSK	12	7	13.79	13.78	13.75	14.90
5	QPSK	12	13	13.74	13.79	13.63	14.90
5	QPSK	25	0	13.71	13.75	13.68	14.90
5	16QAM	1	0	13.74	13.73	13.73	14.90
5	16QAM	1	12	13.83	13.86	13.66	14.90
5	16QAM	1	24	13.69	13.82	13.66	14.90
5	16QAM	12	0	13.70	13.78	13.73	14.90
5	16QAM	12	7	13.79	13.81	13.67	14.90
5	16QAM	12	13	13.74	13.88	13.69	14.90
5	16QAM	25	0	13.78	13.75	13.69	14.90
5	64QAM	1	0	13.63	13.87	13.57	14.90
5	64QAM	1	12	13.79	13.78	13.62	14.90
5	64QAM	1	24	13.84	13.74	13.67	14.90
5	64QAM	12	0	13.70	13.78	13.73	14.90
5	64QAM	12	7	13.74	13.86	13.66	14.90
5	64QAM	12	13	13.73	13.83	13.59	14.90
5	64QAM	25	0	13.83	13.71	13.79	14.90
5	256QAM	1	0	13.67	13.83	13.63	14.90
5	256QAM	1	12	13.67	13.77	13.65	14.90
5	256QAM	1	24	13.85	13.84	13.64	14.90
5	256QAM	12	0	13.79	13.76	13.69	14.90
5	256QAM	12	7	13.63	13.73	13.68	14.90
5	256QAM	12	13	13.68	13.73	13.67	14.90
5	256QAM	25	0	13.69	13.86	13.62	14.90

【LTE Band 7_Ant 2_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	23.02	23.18	23.17	24.00
20	QPSK	1	49	22.73	22.94	22.80	24.00
20	QPSK	1	99	22.80	23.08	23.06	24.00
20	QPSK	50	0	22.18	22.20	22.16	23.00
20	QPSK	50	24	21.90	22.09	21.95	23.00
20	QPSK	50	50	22.00	22.19	22.08	23.00
20	QPSK	100	0	21.90	22.11	22.05	23.00
20	16QAM	1	0	21.90	22.07	21.94	23.00
20	16QAM	1	49	21.94	22.16	22.14	23.00
20	16QAM	1	99	21.78	21.98	21.89	23.00
20	16QAM	50	0	20.76	21.00	20.96	22.00
20	16QAM	50	24	20.87	21.03	20.99	22.00
20	16QAM	50	50	20.98	21.17	21.08	22.00
20	16QAM	100	0	20.81	21.05	20.93	22.00
20	64QAM	1	0	20.74	20.99	20.92	22.00
20	64QAM	1	49	20.85	21.04	20.88	22.00
20	64QAM	1	99	20.82	21.10	20.95	22.00
20	64QAM	50	0	19.98	20.18	20.14	21.00
20	64QAM	50	24	19.85	20.04	20.01	21.00
20	64QAM	50	50	19.82	20.04	19.97	21.00
20	64QAM	100	0	19.73	19.98	19.85	21.00
20	256QAM	1	0	17.98	18.17	18.09	19.00
20	256QAM	1	49	17.88	18.14	17.99	19.00
20	256QAM	1	99	17.77	18.04	17.96	19.00
20	256QAM	50	0	18.00	18.19	18.16	19.00
20	256QAM	50	24	17.71	17.97	17.94	19.00
20	256QAM	50	50	18.01	18.17	18.15	19.00
20	256QAM	100	0	17.79	17.97	17.92	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.92	23.15	23.16	24.00
15	QPSK	1	37	22.62	22.88	22.75	24.00
15	QPSK	1	74	22.66	22.96	22.99	24.00
15	QPSK	36	0	22.08	22.18	22.05	23.00
15	QPSK	36	20	21.87	21.95	21.91	23.00
15	QPSK	36	39	21.93	22.12	22.05	23.00
15	QPSK	75	0	21.76	21.99	21.92	23.00



FCC SAR Test Report

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15	16QAM	1	0	21.79	21.95	21.90	23.00
15	16QAM	1	37	21.90	22.13	22.03	23.00
15	16QAM	1	74	21.67	21.92	21.79	23.00
15	16QAM	36	0	20.63	20.89	20.84	22.00
15	16QAM	36	20	20.79	20.99	20.87	22.00
15	16QAM	36	39	20.85	21.11	20.95	22.00
15	16QAM	75	0	20.67	20.95	20.80	22.00
15	64QAM	1	0	20.73	20.90	20.88	22.00
15	64QAM	1	37	20.78	20.99	20.79	22.00
15	64QAM	1	74	20.70	20.99	20.83	22.00
15	64QAM	36	0	19.89	20.05	20.04	21.00
15	64QAM	36	20	19.75	19.94	19.86	21.00
15	64QAM	36	39	19.76	19.89	19.96	21.00
15	64QAM	75	0	19.69	19.97	19.73	21.00
15	256QAM	1	0	17.84	18.03	18.03	19.00
15	256QAM	1	37	17.85	17.99	17.94	19.00
15	256QAM	1	74	17.71	17.99	17.85	19.00
15	256QAM	36	0	17.90	18.15	18.05	19.00
15	256QAM	36	20	17.67	17.92	17.83	19.00
15	256QAM	36	39	17.95	18.05	18.06	19.00
15	256QAM	75	0	17.65	17.90	17.77	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	22.97	23.10	23.02	24.00
10	QPSK	1	25	22.61	22.81	22.74	24.00
10	QPSK	1	49	22.70	23.03	22.92	24.00
10	QPSK	25	0	22.08	22.13	22.07	23.00
10	QPSK	25	12	21.79	21.95	21.92	23.00
10	QPSK	25	25	21.91	22.09	22.06	23.00
10	QPSK	50	0	21.89	22.08	22.03	23.00
10	16QAM	1	0	21.77	21.96	21.86	23.00
10	16QAM	1	25	21.81	22.14	22.07	23.00
10	16QAM	1	49	21.64	21.92	21.86	23.00
10	16QAM	25	0	20.73	20.92	20.94	22.00
10	16QAM	25	12	20.78	20.95	20.97	22.00
10	16QAM	25	25	20.88	21.05	21.01	22.00
10	16QAM	50	0	20.75	20.93	20.85	22.00
10	64QAM	1	0	20.70	20.86	20.79	22.00
10	64QAM	1	25	20.81	20.91	20.81	22.00
10	64QAM	1	49	20.72	21.06	20.83	22.00
10	64QAM	25	0	19.95	20.08	20.12	21.00
10	64QAM	25	12	19.83	19.99	19.94	21.00
10	64QAM	25	25	19.69	19.94	19.84	21.00
10	64QAM	50	0	19.66	19.92	19.75	21.00
10	256QAM	1	0	17.83	18.09	18.04	19.00
10	256QAM	1	25	17.76	18.11	17.89	19.00
10	256QAM	1	49	17.69	18.00	17.94	19.00
10	256QAM	25	0	17.89	18.07	18.10	19.00
10	256QAM	25	12	17.65	17.83	17.89	19.00
10	256QAM	25	25	17.89	18.07	18.08	19.00
10	256QAM	50	0	17.70	17.83	17.87	19.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	22.90	23.14	23.04	24.00
5	QPSK	1	12	22.68	22.88	22.68	24.00
5	QPSK	1	24	22.78	22.99	22.96	24.00
5	QPSK	12	0	22.13	22.07	22.08	23.00
5	QPSK	12	7	21.89	22.05	21.89	23.00
5	QPSK	12	13	21.97	22.04	21.95	23.00
5	QPSK	25	0	21.84	21.96	21.96	23.00
5	16QAM	1	0	21.86	22.05	21.83	23.00
5	16QAM	1	12	21.84	22.01	22.06	23.00
5	16QAM	1	24	21.73	21.87	21.80	23.00
5	16QAM	12	0	20.65	20.90	20.85	22.00
5	16QAM	12	7	20.78	20.98	20.98	22.00
5	16QAM	12	13	20.96	21.12	21.03	22.00
5	16QAM	25	0	20.79	21.02	20.79	22.00
5	64QAM	1	0	20.61	20.88	20.90	22.00
5	64QAM	1	12	20.72	20.99	20.78	22.00
5	64QAM	1	24	20.69	21.03	20.90	22.00
5	64QAM	12	0	19.90	20.12	20.03	21.00
5	64QAM	12	7	19.74	19.97	19.95	21.00
5	64QAM	12	13	19.74	19.94	19.95	21.00
5	64QAM	25	0	19.58	19.87	19.71	21.00
5	256QAM	1	0	17.95	18.09	18.05	19.00
5	256QAM	1	12	17.84	18.06	17.91	19.00
5	256QAM	1	24	17.71	17.99	17.94	19.00
5	256QAM	12	0	17.96	18.15	18.12	19.00



5	256QAM	12	7	17.70	17.88	17.86	19.00
5	256QAM	12	13	17.89	18.08	18.13	19.00
5	256QAM	25	0	17.70	17.94	17.78	19.00

【LTE Band 7_Ant 2_DSI 2】

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	23.02	23.18	23.17	24.00
20	QPSK	1	49	22.73	22.94	22.80	24.00
20	QPSK	1	99	22.80	23.08	23.06	24.00
20	QPSK	50	0	22.18	22.20	22.16	23.00
20	QPSK	50	24	21.90	22.09	21.95	23.00
20	QPSK	50	50	22.00	22.19	22.08	23.00
20	QPSK	100	0	21.90	22.11	22.05	23.00
20	16QAM	1	0	21.90	22.07	21.94	23.00
20	16QAM	1	49	21.94	22.16	22.14	23.00
20	16QAM	1	99	21.78	21.98	21.89	23.00
20	16QAM	50	0	20.76	21.00	20.96	22.00
20	16QAM	50	24	20.87	21.03	20.99	22.00
20	16QAM	50	50	20.98	21.17	21.08	22.00
20	16QAM	100	0	20.81	21.05	20.93	22.00
20	64QAM	1	0	20.74	20.99	20.92	22.00
20	64QAM	1	49	20.85	21.04	20.88	22.00
20	64QAM	1	99	20.82	21.10	20.95	22.00
20	64QAM	50	0	19.98	20.18	20.14	21.00
20	64QAM	50	24	19.85	20.04	20.01	21.00
20	64QAM	50	50	19.82	20.04	19.97	21.00
20	64QAM	100	0	19.73	19.98	19.85	21.00
20	256QAM	1	0	17.98	18.17	18.09	19.00
20	256QAM	1	49	17.88	18.14	17.99	19.00
20	256QAM	1	99	17.77	18.04	17.96	19.00
20	256QAM	50	0	18.00	18.19	18.16	19.00
20	256QAM	50	24	17.71	17.97	17.94	19.00
20	256QAM	50	50	18.01	18.17	18.15	19.00
20	256QAM	100	0	17.79	17.97	17.92	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.92	23.15	23.16	24.00
15	QPSK	1	37	22.62	22.88	22.75	24.00
15	QPSK	1	74	22.66	22.96	22.99	24.00
15	QPSK	36	0	22.08	22.18	22.05	23.00
15	QPSK	36	20	21.87	21.95	21.91	23.00
15	QPSK	36	39	21.93	22.12	22.05	23.00
15	QPSK	75	0	21.76	21.99	21.92	23.00
15	16QAM	1	0	21.79	21.95	21.90	23.00
15	16QAM	1	37	21.90	22.13	22.03	23.00
15	16QAM	1	74	21.67	21.92	21.79	23.00
15	16QAM	36	0	20.63	20.89	20.84	22.00
15	16QAM	36	20	20.79	20.99	20.87	22.00
15	16QAM	36	39	20.85	21.11	20.95	22.00
15	16QAM	75	0	20.67	20.95	20.80	22.00
15	64QAM	1	0	20.73	20.90	20.88	22.00
15	64QAM	1	37	20.78	20.99	20.79	22.00
15	64QAM	1	74	20.70	20.99	20.83	22.00
15	64QAM	36	0	19.89	20.05	20.04	21.00
15	64QAM	36	20	19.75	19.94	19.86	21.00
15	64QAM	36	39	19.76	19.89	19.96	21.00
15	64QAM	75	0	19.69	19.97	19.73	21.00
15	256QAM	1	0	17.84	18.03	18.03	19.00
15	256QAM	1	37	17.85	17.99	17.94	19.00
15	256QAM	1	74	17.71	17.99	17.85	19.00
15	256QAM	36	0	17.90	18.15	18.05	19.00
15	256QAM	36	20	17.67	17.92	17.83	19.00
15	256QAM	36	39	17.95	18.05	18.06	19.00
15	256QAM	75	0	17.65	17.90	17.77	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.97	23.10	23.02	24.00
10	QPSK	1	25	22.61	22.81	22.74	24.00
10	QPSK	1	49	22.70	23.03	22.92	24.00



10	QPSK	25	0	22.08	22.13	22.07	23.00
10	QPSK	25	12	21.79	21.95	21.92	23.00
10	QPSK	25	25	21.91	22.09	22.06	23.00
10	QPSK	50	0	21.89	22.08	22.03	23.00
10	16QAM	1	0	21.77	21.96	21.86	23.00
10	16QAM	1	25	21.81	22.14	22.07	23.00
10	16QAM	1	49	21.64	21.92	21.86	23.00
10	16QAM	25	0	20.73	20.92	20.94	22.00
10	16QAM	25	12	20.78	20.95	20.97	22.00
10	16QAM	25	25	20.88	21.05	21.01	22.00
10	16QAM	50	0	20.75	20.93	20.85	22.00
10	64QAM	1	0	20.70	20.86	20.79	22.00
10	64QAM	1	25	20.81	20.91	20.81	22.00
10	64QAM	1	49	20.72	21.06	20.83	22.00
10	64QAM	25	0	19.95	20.08	20.12	21.00
10	64QAM	25	12	19.83	19.99	19.94	21.00
10	64QAM	25	25	19.69	19.94	19.84	21.00
10	64QAM	50	0	19.66	19.92	19.75	21.00
10	256QAM	1	0	17.83	18.09	18.04	19.00
10	256QAM	1	25	17.76	18.11	17.89	19.00
10	256QAM	1	49	17.69	18.00	17.94	19.00
10	256QAM	25	0	17.89	18.07	18.10	19.00
10	256QAM	25	12	17.65	17.83	17.89	19.00
10	256QAM	25	25	17.89	18.07	18.08	19.00
10	256QAM	50	0	17.70	17.83	17.87	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.90	23.14	23.04	24.00
5	QPSK	1	12	22.68	22.88	22.68	24.00
5	QPSK	1	24	22.78	22.99	22.96	24.00
5	QPSK	12	0	22.13	22.07	22.08	23.00
5	QPSK	12	7	21.89	22.05	21.89	23.00
5	QPSK	12	13	21.97	22.04	21.95	23.00
5	QPSK	25	0	21.84	21.96	21.96	23.00
5	16QAM	1	0	21.86	22.05	21.83	23.00
5	16QAM	1	12	21.84	22.01	22.06	23.00
5	16QAM	1	24	21.73	21.87	21.80	23.00
5	16QAM	12	0	20.65	20.90	20.85	22.00
5	16QAM	12	7	20.78	20.98	20.98	22.00
5	16QAM	12	13	20.96	21.12	21.03	22.00
5	16QAM	25	0	20.79	21.02	20.79	22.00
5	64QAM	1	0	20.61	20.88	20.90	22.00
5	64QAM	1	12	20.72	20.99	20.78	22.00
5	64QAM	1	24	20.69	21.03	20.90	22.00
5	64QAM	12	0	19.90	20.12	20.03	21.00
5	64QAM	12	7	19.74	19.97	19.95	21.00
5	64QAM	12	13	19.74	19.94	19.95	21.00
5	64QAM	25	0	19.58	19.87	19.71	21.00
5	256QAM	1	0	17.95	18.09	18.05	19.00
5	256QAM	1	12	17.84	18.06	17.91	19.00
5	256QAM	1	24	17.71	17.99	17.94	19.00
5	256QAM	12	0	17.96	18.15	18.12	19.00
5	256QAM	12	7	17.70	17.88	17.86	19.00
5	256QAM	12	13	17.89	18.08	18.13	19.00
5	256QAM	25	0	17.70	17.94	17.78	19.00

【LTE Band 7_Ant 2_DSI 3】

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	20.79	20.83	20.81	21.90
20	QPSK	1	49	20.55	20.72	20.58	21.90
20	QPSK	1	99	20.58	20.65	20.53	21.90
20	QPSK	50	0	20.70	20.75	20.73	21.90
20	QPSK	50	24	20.51	20.69	20.61	21.90
20	QPSK	50	50	20.52	20.66	20.52	21.90
20	QPSK	100	0	20.69	20.71	20.65	21.90
20	16QAM	1	0	20.38	20.56	20.48	21.90
20	16QAM	1	49	20.54	20.62	20.48	21.90
20	16QAM	1	99	20.56	20.63	20.50	21.90
20	16QAM	50	0	20.62	20.75	20.62	21.90



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20	16QAM	50	24	20.51	20.69	20.59	21.90
20	16QAM	50	50	20.56	20.64	20.50	21.90
20	16QAM	100	0	20.41	20.53	20.36	21.90
20	64QAM	1	0	20.49	20.65	20.51	21.90
20	64QAM	1	49	20.60	20.67	20.59	21.90
20	64QAM	1	99	20.37	20.53	20.36	21.90
20	64QAM	50	0	19.86	20.05	20.00	21.00
20	64QAM	50	24	19.96	20.10	19.99	21.00
20	64QAM	50	50	19.96	20.03	19.96	21.00
20	64QAM	100	0	19.93	20.09	20.01	21.00
20	256QAM	1	0	18.09	18.22	18.19	19.00
20	256QAM	1	49	17.88	18.03	17.97	19.00
20	256QAM	1	99	18.09	18.16	18.06	19.00
20	256QAM	50	0	18.05	18.21	18.05	19.00
20	256QAM	50	24	18.06	18.16	17.99	19.00
20	256QAM	50	50	18.00	18.18	18.11	19.00
20	256QAM	100	0	18.03	18.13	18.03	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.71	20.72	20.74	21.90
15	QPSK	1	37	20.42	20.66	20.44	21.90
15	QPSK	1	74	20.52	20.57	20.45	21.90
15	QPSK	36	0	20.58	20.72	20.69	21.90
15	QPSK	36	20	20.42	20.66	20.52	21.90
15	QPSK	36	39	20.49	20.65	20.39	21.90
15	QPSK	75	0	20.55	20.64	20.61	21.90
15	16QAM	1	0	20.36	20.45	20.40	21.90
15	16QAM	1	37	20.47	20.52	20.42	21.90
15	16QAM	1	74	20.51	20.51	20.48	21.90
15	16QAM	36	0	20.55	20.67	20.59	21.90
15	16QAM	36	20	20.40	20.59	20.53	21.90
15	16QAM	36	39	20.41	20.51	20.46	21.90
15	16QAM	75	0	20.40	20.52	20.26	21.90
15	64QAM	1	0	20.45	20.61	20.47	21.90
15	64QAM	1	37	20.47	20.52	20.54	21.90
15	64QAM	1	74	20.34	20.44	20.28	21.90
15	64QAM	36	0	19.77	19.98	19.90	21.00
15	64QAM	36	20	19.84	19.98	19.89	21.00
15	64QAM	36	39	19.86	19.90	19.93	21.00
15	64QAM	75	0	19.87	19.96	20.00	21.00
15	256QAM	1	0	17.99	18.16	18.13	19.00
15	256QAM	1	37	17.78	17.90	17.87	19.00
15	256QAM	1	74	17.97	18.13	17.98	19.00
15	256QAM	36	0	17.92	18.15	18.01	19.00
15	256QAM	36	20	17.91	18.10	17.87	19.00
15	256QAM	36	39	17.95	18.09	17.98	19.00
15	256QAM	75	0	18.02	18.10	17.92	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.78	20.76	20.74	21.90
10	QPSK	1	25	20.49	20.70	20.45	21.90
10	QPSK	1	49	20.50	20.58	20.50	21.90
10	QPSK	25	0	20.57	20.67	20.69	21.90
10	QPSK	25	12	20.38	20.58	20.54	21.90
10	QPSK	25	25	20.42	20.56	20.46	21.90
10	QPSK	50	0	20.61	20.63	20.55	21.90
10	16QAM	1	0	20.36	20.51	20.41	21.90
10	16QAM	1	25	20.53	20.50	20.37	21.90
10	16QAM	1	49	20.42	20.51	20.47	21.90
10	16QAM	25	0	20.50	20.63	20.55	21.90
10	16QAM	25	12	20.41	20.63	20.55	21.90
10	16QAM	25	25	20.42	20.50	20.38	21.90
10	16QAM	50	0	20.35	20.45	20.28	21.90
10	64QAM	1	0	20.44	20.58	20.42	21.90
10	64QAM	1	25	20.51	20.66	20.50	21.90
10	64QAM	1	49	20.29	20.51	20.32	21.90
10	64QAM	25	0	19.82	19.92	19.89	21.00
10	64QAM	25	12	19.91	19.96	19.87	21.00
10	64QAM	25	25	19.84	19.90	19.94	21.00
10	64QAM	50	0	19.81	19.98	19.97	21.00
10	256QAM	1	0	17.96	18.18	18.07	19.00
10	256QAM	1	25	17.86	17.89	17.87	19.00
10	256QAM	1	49	18.06	18.10	18.04	19.00
10	256QAM	25	0	17.99	18.16	17.97	19.00
10	256QAM	25	12	17.99	18.02	17.97	19.00
10	256QAM	25	25	17.94	18.05	17.97	19.00
10	256QAM	50	0	17.91	18.11	17.97	19.00
Channel				20775	21100	21425	Tune-up limit



Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	20.68	20.75	20.77	21.90
5	QPSK	1	12	20.47	20.59	20.48	21.90
5	QPSK	1	24	20.56	20.52	20.48	21.90
5	QPSK	12	0	20.63	20.69	20.59	21.90
5	QPSK	12	7	20.37	20.58	20.50	21.90
5	QPSK	12	13	20.43	20.55	20.44	21.90
5	QPSK	25	0	20.65	20.68	20.58	21.90
5	16QAM	1	0	20.33	20.51	20.43	21.90
5	16QAM	1	12	20.51	20.55	20.46	21.90
5	16QAM	1	24	20.47	20.50	20.41	21.90
5	16QAM	12	0	20.56	20.72	20.59	21.90
5	16QAM	12	7	20.38	20.60	20.45	21.90
5	16QAM	12	13	20.47	20.57	20.38	21.90
5	16QAM	25	0	20.33	20.47	20.28	21.90
5	64QAM	1	0	20.36	20.54	20.40	21.90
5	64QAM	1	12	20.50	20.64	20.49	21.90
5	64QAM	1	24	20.23	20.46	20.27	21.90
5	64QAM	12	0	19.75	19.99	19.89	21.00
5	64QAM	12	7	19.95	19.95	19.88	21.00
5	64QAM	12	13	19.91	19.95	19.87	21.00
5	64QAM	25	0	19.87	20.04	19.97	21.00
5	256QAM	1	0	17.99	18.16	18.12	19.00
5	256QAM	1	12	17.83	17.98	17.88	19.00
5	256QAM	1	24	18.02	18.08	17.92	19.00
5	256QAM	12	0	17.92	18.14	18.04	19.00
5	256QAM	12	7	17.97	18.08	17.93	19.00
5	256QAM	12	13	17.93	18.13	17.99	19.00
5	256QAM	25	0	17.91	18.10	17.93	19.00

【LTE Band 7_Ant 2_DSI 4】

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	23.02	23.18	23.17	24.00
20	QPSK	1	49	22.73	22.94	22.80	24.00
20	QPSK	1	99	22.80	23.08	23.06	24.00
20	QPSK	50	0	22.18	22.20	22.16	23.00
20	QPSK	50	24	21.90	22.09	21.95	23.00
20	QPSK	50	50	22.00	22.19	22.08	23.00
20	QPSK	100	0	21.90	22.11	22.05	23.00
20	16QAM	1	0	21.90	22.07	21.94	23.00
20	16QAM	1	49	21.94	22.16	22.14	23.00
20	16QAM	1	99	21.78	21.98	21.89	23.00
20	16QAM	50	0	20.76	21.00	20.96	22.00
20	16QAM	50	24	20.87	21.03	20.99	22.00
20	16QAM	50	50	20.98	21.17	21.08	22.00
20	16QAM	100	0	20.81	21.05	20.93	22.00
20	64QAM	1	0	20.74	20.99	20.92	22.00
20	64QAM	1	49	20.85	21.04	20.88	22.00
20	64QAM	1	99	20.82	21.10	20.95	22.00
20	64QAM	50	0	19.98	20.18	20.14	21.00
20	64QAM	50	24	19.85	20.04	20.01	21.00
20	64QAM	50	50	19.82	20.04	19.97	21.00
20	64QAM	100	0	19.73	19.98	19.85	21.00
20	256QAM	1	0	17.98	18.17	18.09	19.00
20	256QAM	1	49	17.88	18.14	17.99	19.00
20	256QAM	1	99	17.77	18.04	17.96	19.00
20	256QAM	50	0	18.00	18.19	18.16	19.00
20	256QAM	50	24	17.71	17.97	17.94	19.00
20	256QAM	50	50	18.01	18.17	18.15	19.00
20	256QAM	100	0	17.79	17.97	17.92	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.92	23.15	23.16	24.00
15	QPSK	1	37	22.62	22.88	22.75	24.00
15	QPSK	1	74	22.66	22.96	22.99	24.00
15	QPSK	36	0	22.08	22.18	22.05	23.00
15	QPSK	36	20	21.87	21.95	21.91	23.00
15	QPSK	36	39	21.93	22.12	22.05	23.00
15	QPSK	75	0	21.76	21.99	21.92	23.00



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15	16QAM	1	0	21.79	21.95	21.90	23.00
15	16QAM	1	37	21.90	22.13	22.03	23.00
15	16QAM	1	74	21.67	21.92	21.79	23.00
15	16QAM	36	0	20.63	20.89	20.84	22.00
15	16QAM	36	20	20.79	20.99	20.87	22.00
15	16QAM	36	39	20.85	21.11	20.95	22.00
15	16QAM	75	0	20.67	20.95	20.80	22.00
15	64QAM	1	0	20.73	20.90	20.88	22.00
15	64QAM	1	37	20.78	20.99	20.79	22.00
15	64QAM	1	74	20.70	20.99	20.83	22.00
15	64QAM	36	0	19.89	20.05	20.04	21.00
15	64QAM	36	20	19.75	19.94	19.86	21.00
15	64QAM	36	39	19.76	19.89	19.96	21.00
15	64QAM	75	0	19.69	19.97	19.73	21.00
15	256QAM	1	0	17.84	18.03	18.03	19.00
15	256QAM	1	37	17.85	17.99	17.94	19.00
15	256QAM	1	74	17.71	17.99	17.85	19.00
15	256QAM	36	0	17.90	18.15	18.05	19.00
15	256QAM	36	20	17.67	17.92	17.83	19.00
15	256QAM	36	39	17.95	18.05	18.06	19.00
15	256QAM	75	0	17.65	17.90	17.77	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	22.97	23.10	23.02	24.00
10	QPSK	1	25	22.61	22.81	22.74	24.00
10	QPSK	1	49	22.70	23.03	22.92	24.00
10	QPSK	25	0	22.08	22.13	22.07	23.00
10	QPSK	25	12	21.79	21.95	21.92	23.00
10	QPSK	25	25	21.91	22.09	22.06	23.00
10	QPSK	50	0	21.89	22.08	22.03	23.00
10	16QAM	1	0	21.77	21.96	21.86	23.00
10	16QAM	1	25	21.81	22.14	22.07	23.00
10	16QAM	1	49	21.64	21.92	21.86	23.00
10	16QAM	25	0	20.73	20.92	20.94	22.00
10	16QAM	25	12	20.78	20.95	20.97	22.00
10	16QAM	25	25	20.88	21.05	21.01	22.00
10	16QAM	50	0	20.75	20.93	20.85	22.00
10	64QAM	1	0	20.70	20.86	20.79	22.00
10	64QAM	1	25	20.81	20.91	20.81	22.00
10	64QAM	1	49	20.72	21.06	20.83	22.00
10	64QAM	25	0	19.95	20.08	20.12	21.00
10	64QAM	25	12	19.83	19.99	19.94	21.00
10	64QAM	25	25	19.69	19.94	19.84	21.00
10	64QAM	50	0	19.66	19.92	19.75	21.00
10	256QAM	1	0	17.83	18.09	18.04	19.00
10	256QAM	1	25	17.76	18.11	17.89	19.00
10	256QAM	1	49	17.69	18.00	17.94	19.00
10	256QAM	25	0	17.89	18.07	18.10	19.00
10	256QAM	25	12	17.65	17.83	17.89	19.00
10	256QAM	25	25	17.89	18.07	18.08	19.00
10	256QAM	50	0	17.70	17.83	17.87	19.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	22.90	23.14	23.04	24.00
5	QPSK	1	12	22.68	22.88	22.68	24.00
5	QPSK	1	24	22.78	22.99	22.96	24.00
5	QPSK	12	0	22.13	22.07	22.08	23.00
5	QPSK	12	7	21.89	22.05	21.89	23.00
5	QPSK	12	13	21.97	22.04	21.95	23.00
5	QPSK	25	0	21.84	21.96	21.96	23.00
5	16QAM	1	0	21.86	22.05	21.83	23.00
5	16QAM	1	12	21.84	22.01	22.06	23.00
5	16QAM	1	24	21.73	21.87	21.80	23.00
5	16QAM	12	0	20.65	20.90	20.85	22.00
5	16QAM	12	7	20.78	20.98	20.98	22.00
5	16QAM	12	13	20.96	21.12	21.03	22.00
5	16QAM	25	0	20.79	21.02	20.79	22.00
5	64QAM	1	0	20.61	20.88	20.90	22.00
5	64QAM	1	12	20.72	20.99	20.78	22.00
5	64QAM	1	24	20.69	21.03	20.90	22.00
5	64QAM	12	0	19.90	20.12	20.03	21.00
5	64QAM	12	7	19.74	19.97	19.95	21.00
5	64QAM	12	13	19.74	19.94	19.95	21.00
5	64QAM	25	0	19.58	19.87	19.71	21.00
5	256QAM	1	0	17.95	18.09	18.05	19.00
5	256QAM	1	12	17.84	18.06	17.91	19.00
5	256QAM	1	24	17.71	17.99	17.94	19.00
5	256QAM	12	0	17.96	18.15	18.12	19.00



5	256QAM	12	7	17.70	17.88	17.86	19.00
5	256QAM	12	13	17.89	18.08	18.13	19.00
5	256QAM	25	0	17.70	17.94	17.78	19.00

【LTE Band 7_Ant 2_DSI 6】

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	21.81	21.88	21.85	23.10
20	QPSK	1	49	21.51	21.73	21.61	23.10
20	QPSK	1	99	21.66	21.77	21.68	23.10
20	QPSK	50	0	21.77	21.79	21.73	23.00
20	QPSK	50	24	21.46	21.64	21.50	23.00
20	QPSK	50	50	21.63	21.73	21.61	23.00
20	QPSK	100	0	21.73	21.75	21.71	23.00
20	16QAM	1	0	21.67	21.77	21.63	23.00
20	16QAM	1	49	21.57	21.70	21.53	23.00
20	16QAM	1	99	21.45	21.57	21.39	23.00
20	16QAM	50	0	20.76	21.00	20.96	22.00
20	16QAM	50	24	20.87	21.03	20.99	22.00
20	16QAM	50	50	20.98	21.17	21.08	22.00
20	16QAM	100	0	20.81	21.05	20.93	22.00
20	64QAM	1	0	20.74	20.99	20.92	22.00
20	64QAM	1	49	20.85	21.04	20.88	22.00
20	64QAM	1	99	20.82	21.10	20.95	22.00
20	64QAM	50	0	19.98	20.18	20.14	21.00
20	64QAM	50	24	19.85	20.04	20.01	21.00
20	64QAM	50	50	19.82	20.04	19.97	21.00
20	64QAM	100	0	19.73	19.98	19.85	21.00
20	256QAM	1	0	17.98	18.17	18.09	19.00
20	256QAM	1	49	17.88	18.14	17.99	19.00
20	256QAM	1	99	17.77	18.04	17.96	19.00
20	256QAM	50	0	18.00	18.19	18.16	19.00
20	256QAM	50	24	17.71	17.97	17.94	19.00
20	256QAM	50	50	18.01	18.17	18.15	19.00
20	256QAM	100	0	17.79	17.97	17.92	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.77	21.76	21.81	23.10
15	QPSK	1	37	21.46	21.61	21.58	23.10
15	QPSK	1	74	21.57	21.73	21.63	23.10
15	QPSK	36	0	21.66	21.65	21.64	23.00
15	QPSK	36	20	21.32	21.54	21.43	23.00
15	QPSK	36	39	21.58	21.65	21.56	23.00
15	QPSK	75	0	21.66	21.61	21.59	23.00
15	16QAM	1	0	21.59	21.70	21.59	23.00
15	16QAM	1	37	21.43	21.56	21.50	23.00
15	16QAM	1	74	21.34	21.53	21.32	23.00
15	16QAM	36	0	20.69	20.87	20.91	22.00
15	16QAM	36	20	20.73	20.92	20.93	22.00
15	16QAM	36	39	20.92	21.07	21.02	22.00
15	16QAM	75	0	20.74	21.01	20.84	22.00
15	64QAM	1	0	20.73	20.91	20.82	22.00
15	64QAM	1	37	20.81	20.93	20.75	22.00
15	64QAM	1	74	20.68	21.06	20.92	22.00
15	64QAM	36	0	19.84	20.08	20.07	21.00
15	64QAM	36	20	19.80	19.89	19.91	21.00
15	64QAM	36	39	19.68	19.92	19.86	21.00
15	64QAM	75	0	19.69	19.89	19.78	21.00
15	256QAM	1	0	17.90	18.10	18.04	19.00
15	256QAM	1	37	17.74	18.05	17.93	19.00
15	256QAM	1	74	17.75	18.03	17.85	19.00
15	256QAM	36	0	17.87	18.12	18.13	19.00
15	256QAM	36	20	17.66	17.82	17.90	19.00
15	256QAM	36	39	17.88	18.06	18.05	19.00
15	256QAM	75	0	17.66	17.96	17.84	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.76	21.81	21.81	23.10
10	QPSK	1	25	21.37	21.66	21.51	23.10
10	QPSK	1	49	21.56	21.70	21.54	23.10



10	QPSK	25	0	21.75	21.68	21.72	23.00
10	QPSK	25	12	21.40	21.52	21.45	23.00
10	QPSK	25	25	21.51	21.58	21.56	23.00
10	QPSK	50	0	21.66	21.70	21.61	23.00
10	16QAM	1	0	21.65	21.71	21.50	23.00
10	16QAM	1	25	21.48	21.56	21.48	23.00
10	16QAM	1	49	21.33	21.48	21.37	23.00
10	16QAM	25	0	20.70	20.90	20.87	22.00
10	16QAM	25	12	20.75	21.00	20.94	22.00
10	16QAM	25	25	20.96	21.08	20.96	22.00
10	16QAM	50	0	20.70	21.00	20.81	22.00
10	64QAM	1	0	20.72	20.88	20.85	22.00
10	64QAM	1	25	20.80	20.97	20.74	22.00
10	64QAM	1	49	20.76	21.05	20.88	22.00
10	64QAM	25	0	19.94	20.12	20.01	21.00
10	64QAM	25	12	19.77	19.93	19.97	21.00
10	64QAM	25	25	19.77	19.90	19.93	21.00
10	64QAM	50	0	19.68	19.93	19.71	21.00
10	256QAM	1	0	17.93	18.07	17.97	19.00
10	256QAM	1	25	17.79	18.05	17.95	19.00
10	256QAM	1	49	17.73	17.89	17.87	19.00
10	256QAM	25	0	17.87	18.18	18.07	19.00
10	256QAM	25	12	17.62	17.90	17.84	19.00
10	256QAM	25	25	17.89	18.08	18.02	19.00
10	256QAM	50	0	17.68	17.84	17.84	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.75	21.81	21.75	23.10
5	QPSK	1	12	21.37	21.59	21.53	23.10
5	QPSK	1	24	21.54	21.72	21.61	23.10
5	QPSK	12	0	21.65	21.73	21.59	23.00
5	QPSK	12	7	21.35	21.58	21.45	23.00
5	QPSK	12	13	21.52	21.61	21.53	23.00
5	QPSK	25	0	21.64	21.72	21.67	23.00
5	16QAM	1	0	21.55	21.63	21.53	23.00
5	16QAM	1	12	21.43	21.58	21.51	23.00
5	16QAM	1	24	21.32	21.55	21.35	23.00
5	16QAM	12	0	20.62	20.92	20.94	22.00
5	16QAM	12	7	20.73	20.88	20.93	22.00
5	16QAM	12	13	20.84	21.12	21.01	22.00
5	16QAM	25	0	20.69	20.98	20.83	22.00
5	64QAM	1	0	20.63	20.85	20.86	22.00
5	64QAM	1	12	20.78	20.97	20.87	22.00
5	64QAM	1	24	20.70	21.08	20.89	22.00
5	64QAM	12	0	19.84	20.10	20.02	21.00
5	64QAM	12	7	19.80	19.98	19.89	21.00
5	64QAM	12	13	19.79	19.96	19.85	21.00
5	64QAM	25	0	19.69	19.95	19.72	21.00
5	256QAM	1	0	17.91	18.09	17.97	19.00
5	256QAM	1	12	17.74	18.00	17.86	19.00
5	256QAM	1	24	17.62	17.92	17.93	19.00
5	256QAM	12	0	17.94	18.10	18.07	19.00
5	256QAM	12	7	17.60	17.88	17.93	19.00
5	256QAM	12	13	17.88	18.09	18.14	19.00
5	256QAM	25	0	17.73	17.86	17.89	19.00

【LTE Band 7_Ant 2_DSI 7】

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	20.79	20.83	20.81	21.90
20	QPSK	1	49	20.55	20.72	20.58	21.90
20	QPSK	1	99	20.58	20.65	20.53	21.90
20	QPSK	50	0	20.70	20.75	20.73	21.90
20	QPSK	50	24	20.51	20.69	20.61	21.90
20	QPSK	50	50	20.52	20.66	20.52	21.90
20	QPSK	100	0	20.69	20.71	20.65	21.90
20	16QAM	1	0	20.38	20.56	20.48	21.90
20	16QAM	1	49	20.54	20.62	20.48	21.90
20	16QAM	1	99	20.56	20.63	20.50	21.90
20	16QAM	50	0	20.62	20.75	20.62	21.90



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20	16QAM	50	24	20.51	20.69	20.59	21.90
20	16QAM	50	50	20.56	20.64	20.50	21.90
20	16QAM	100	0	20.41	20.53	20.36	21.90
20	64QAM	1	0	20.49	20.65	20.51	21.90
20	64QAM	1	49	20.60	20.67	20.59	21.90
20	64QAM	1	99	20.37	20.53	20.36	21.90
20	64QAM	50	0	19.86	20.05	20.00	21.00
20	64QAM	50	24	19.96	20.10	19.99	21.00
20	64QAM	50	50	19.96	20.03	19.96	21.00
20	64QAM	100	0	19.93	20.09	20.01	21.00
20	256QAM	1	0	18.09	18.22	18.19	19.00
20	256QAM	1	49	17.88	18.03	17.97	19.00
20	256QAM	1	99	18.09	18.16	18.06	19.00
20	256QAM	50	0	18.05	18.21	18.05	19.00
20	256QAM	50	24	18.06	18.16	17.99	19.00
20	256QAM	50	50	18.00	18.18	18.11	19.00
20	256QAM	100	0	18.03	18.13	18.03	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.71	20.72	20.74	21.90
15	QPSK	1	37	20.42	20.66	20.44	21.90
15	QPSK	1	74	20.52	20.57	20.45	21.90
15	QPSK	36	0	20.58	20.72	20.69	21.90
15	QPSK	36	20	20.42	20.66	20.52	21.90
15	QPSK	36	39	20.49	20.65	20.39	21.90
15	QPSK	75	0	20.55	20.64	20.61	21.90
15	16QAM	1	0	20.36	20.45	20.40	21.90
15	16QAM	1	37	20.47	20.52	20.42	21.90
15	16QAM	1	74	20.51	20.51	20.48	21.90
15	16QAM	36	0	20.55	20.67	20.59	21.90
15	16QAM	36	20	20.40	20.59	20.53	21.90
15	16QAM	36	39	20.41	20.51	20.46	21.90
15	16QAM	75	0	20.40	20.52	20.26	21.90
15	64QAM	1	0	20.45	20.61	20.47	21.90
15	64QAM	1	37	20.47	20.52	20.54	21.90
15	64QAM	1	74	20.34	20.44	20.28	21.90
15	64QAM	36	0	19.77	19.98	19.90	21.00
15	64QAM	36	20	19.84	19.98	19.89	21.00
15	64QAM	36	39	19.86	19.90	19.93	21.00
15	64QAM	75	0	19.87	19.96	20.00	21.00
15	256QAM	1	0	17.99	18.16	18.13	19.00
15	256QAM	1	37	17.78	17.90	17.87	19.00
15	256QAM	1	74	17.97	18.13	17.98	19.00
15	256QAM	36	0	17.92	18.15	18.01	19.00
15	256QAM	36	20	17.91	18.10	17.87	19.00
15	256QAM	36	39	17.95	18.09	17.98	19.00
15	256QAM	75	0	18.02	18.10	17.92	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.78	20.76	20.74	21.90
10	QPSK	1	25	20.49	20.70	20.45	21.90
10	QPSK	1	49	20.50	20.58	20.50	21.90
10	QPSK	25	0	20.57	20.67	20.69	21.90
10	QPSK	25	12	20.38	20.58	20.54	21.90
10	QPSK	25	25	20.42	20.56	20.46	21.90
10	QPSK	50	0	20.61	20.63	20.55	21.90
10	16QAM	1	0	20.36	20.51	20.41	21.90
10	16QAM	1	25	20.53	20.50	20.37	21.90
10	16QAM	1	49	20.42	20.51	20.47	21.90
10	16QAM	25	0	20.50	20.63	20.55	21.90
10	16QAM	25	12	20.41	20.63	20.55	21.90
10	16QAM	25	25	20.42	20.50	20.38	21.90
10	16QAM	50	0	20.35	20.45	20.28	21.90
10	64QAM	1	0	20.44	20.58	20.42	21.90
10	64QAM	1	25	20.51	20.66	20.50	21.90
10	64QAM	1	49	20.29	20.51	20.32	21.90
10	64QAM	25	0	19.82	19.92	19.89	21.00
10	64QAM	25	12	19.91	19.96	19.87	21.00
10	64QAM	25	25	19.84	19.90	19.94	21.00
10	64QAM	50	0	19.81	19.98	19.97	21.00
10	256QAM	1	0	17.96	18.18	18.07	19.00
10	256QAM	1	25	17.86	17.89	17.87	19.00
10	256QAM	1	49	18.06	18.10	18.04	19.00
10	256QAM	25	0	17.99	18.16	17.97	19.00
10	256QAM	25	12	17.99	18.02	17.97	19.00
10	256QAM	25	25	17.94	18.05	17.97	19.00
10	256QAM	50	0	17.91	18.11	17.97	19.00
Channel				20775	21100	21425	Tune-up limit



Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	20.68	20.75	20.77	21.90
5	QPSK	1	12	20.47	20.59	20.48	21.90
5	QPSK	1	24	20.56	20.52	20.48	21.90
5	QPSK	12	0	20.63	20.69	20.59	21.90
5	QPSK	12	7	20.37	20.58	20.50	21.90
5	QPSK	12	13	20.43	20.55	20.44	21.90
5	QPSK	25	0	20.65	20.68	20.58	21.90
5	16QAM	1	0	20.33	20.51	20.43	21.90
5	16QAM	1	12	20.51	20.55	20.46	21.90
5	16QAM	1	24	20.47	20.50	20.41	21.90
5	16QAM	12	0	20.56	20.72	20.59	21.90
5	16QAM	12	7	20.38	20.60	20.45	21.90
5	16QAM	12	13	20.47	20.57	20.38	21.90
5	16QAM	25	0	20.33	20.47	20.28	21.90
5	64QAM	1	0	20.36	20.54	20.40	21.90
5	64QAM	1	12	20.50	20.64	20.49	21.90
5	64QAM	1	24	20.23	20.46	20.27	21.90
5	64QAM	12	0	19.75	19.99	19.89	21.00
5	64QAM	12	7	19.95	19.95	19.88	21.00
5	64QAM	12	13	19.91	19.95	19.87	21.00
5	64QAM	25	0	19.87	20.04	19.97	21.00
5	256QAM	1	0	17.99	18.16	18.12	19.00
5	256QAM	1	12	17.83	17.98	17.88	19.00
5	256QAM	1	24	18.02	18.08	17.92	19.00
5	256QAM	12	0	17.92	18.14	18.04	19.00
5	256QAM	12	7	17.97	18.08	17.93	19.00
5	256QAM	12	13	17.93	18.13	17.99	19.00
5	256QAM	25	0	17.91	18.10	17.93	19.00

【LTE Band 7_Ant 2_DSI 12】

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	13.54	13.57	13.51	14.60
20	QPSK	1	49	13.51	13.51	13.45	14.60
20	QPSK	1	99	13.43	13.49	13.41	14.60
20	QPSK	50	0	13.47	13.56	13.46	14.60
20	QPSK	50	24	13.40	13.51	13.39	14.60
20	QPSK	50	50	13.41	13.43	13.44	14.60
20	QPSK	100	0	13.45	13.52	13.39	14.60
20	16QAM	1	0	13.42	13.52	13.37	14.60
20	16QAM	1	49	13.50	13.43	13.47	14.60
20	16QAM	1	99	13.51	13.51	13.39	14.60
20	16QAM	50	0	13.41	13.51	13.41	14.60
20	16QAM	50	24	13.48	13.51	13.46	14.60
20	16QAM	50	50	13.43	13.53	13.41	14.60
20	16QAM	100	0	13.48	13.49	13.46	14.60
20	64QAM	1	0	13.50	13.47	13.37	14.60
20	64QAM	1	49	13.49	13.48	13.37	14.60
20	64QAM	1	99	13.41	13.45	13.46	14.60
20	64QAM	50	0	13.45	13.44	13.42	14.60
20	64QAM	50	24	13.44	13.48	13.47	14.60
20	64QAM	50	50	13.50	13.43	13.42	14.60
20	64QAM	100	0	13.50	13.43	13.46	14.60
20	256QAM	1	0	13.45	13.54	13.41	14.60
20	256QAM	1	49	13.48	13.44	13.39	14.60
20	256QAM	1	99	13.46	13.49	13.44	14.60
20	256QAM	50	0	13.45	13.52	13.39	14.60
20	256QAM	50	24	13.42	13.52	13.37	14.60
20	256QAM	50	50	13.50	13.43	13.47	14.60
20	256QAM	100	0	13.51	13.51	13.39	14.60
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	13.44	13.46	13.44	14.60
15	QPSK	1	37	13.45	13.49	13.42	14.60
15	QPSK	1	74	13.39	13.39	13.29	14.60
15	QPSK	36	0	13.44	13.56	13.29	14.60
15	QPSK	36	20	13.45	13.32	13.27	14.60
15	QPSK	36	39	13.44	13.35	13.29	14.60
15	QPSK	75	0	13.39	13.45	13.25	14.60



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15	16QAM	1	0	13.36	13.43	13.26	14.60
15	16QAM	1	37	13.39	13.40	13.35	14.60
15	16QAM	1	74	13.45	13.38	13.27	14.60
15	16QAM	36	0	13.33	13.45	13.30	14.60
15	16QAM	36	20	13.37	13.41	13.37	14.60
15	16QAM	36	39	13.38	13.46	13.30	14.60
15	16QAM	75	0	13.37	13.35	13.35	14.60
15	64QAM	1	0	13.38	13.33	13.28	14.60
15	64QAM	1	37	13.35	13.43	13.33	14.60
15	64QAM	1	74	13.38	13.32	13.35	14.60
15	64QAM	36	0	13.30	13.36	13.34	14.60
15	64QAM	36	20	13.32	13.46	13.45	14.60
15	64QAM	36	39	13.46	13.37	13.33	14.60
15	64QAM	75	0	13.35	13.40	13.37	14.60
15	256QAM	1	0	13.31	13.44	13.37	14.60
15	256QAM	1	37	13.47	13.36	13.28	14.60
15	256QAM	1	74	13.41	13.45	13.32	14.60
15	256QAM	36	0	13.33	13.45	13.31	14.60
15	256QAM	36	20	13.33	13.38	13.23	14.60
15	256QAM	36	39	13.48	13.32	13.34	14.60
15	256QAM	75	0	13.50	13.47	13.35	14.60
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	13.44	13.50	13.41	14.60
10	QPSK	1	25	13.48	13.36	13.31	14.60
10	QPSK	1	49	13.28	13.43	13.34	14.60
10	QPSK	25	0	13.36	13.50	13.41	14.60
10	QPSK	25	12	13.45	13.37	13.27	14.60
10	QPSK	25	25	13.43	13.37	13.31	14.60
10	QPSK	50	0	13.38	13.41	13.28	14.60
10	16QAM	1	0	13.35	13.46	13.31	14.60
10	16QAM	1	25	13.36	13.33	13.41	14.60
10	16QAM	1	49	13.46	13.40	13.26	14.60
10	16QAM	25	0	13.32	13.37	13.34	14.60
10	16QAM	25	12	13.34	13.40	13.41	14.60
10	16QAM	25	25	13.39	13.39	13.36	14.60
10	16QAM	50	0	13.33	13.43	13.38	14.60
10	64QAM	1	0	13.37	13.40	13.32	14.60
10	64QAM	1	25	13.42	13.43	13.34	14.60
10	64QAM	1	49	13.34	13.36	13.31	14.60
10	64QAM	25	0	13.33	13.38	13.30	14.60
10	64QAM	25	12	13.35	13.37	13.40	14.60
10	64QAM	25	25	13.43	13.38	13.32	14.60
10	64QAM	50	0	13.48	13.33	13.32	14.60
10	256QAM	1	0	13.32	13.41	13.33	14.60
10	256QAM	1	25	13.37	13.33	13.38	14.60
10	256QAM	1	49	13.32	13.38	13.41	14.60
10	256QAM	25	0	13.36	13.38	13.32	14.60
10	256QAM	25	12	13.27	13.42	13.35	14.60
10	256QAM	25	25	13.45	13.32	13.41	14.60
10	256QAM	50	0	13.48	13.36	13.35	14.60
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	13.53	13.50	13.49	14.60
5	QPSK	1	12	13.40	13.45	13.36	14.60
5	QPSK	1	24	13.36	13.41	13.35	14.60
5	QPSK	12	0	13.41	13.45	13.31	14.60
5	QPSK	12	7	13.46	13.32	13.27	14.60
5	QPSK	12	13	13.38	13.42	13.36	14.60
5	QPSK	25	0	13.44	13.45	13.37	14.60
5	16QAM	1	0	13.27	13.37	13.33	14.60
5	16QAM	1	12	13.47	13.33	13.44	14.60
5	16QAM	1	24	13.41	13.39	13.26	14.60
5	16QAM	12	0	13.31	13.44	13.34	14.60
5	16QAM	12	7	13.40	13.39	13.39	14.60
5	16QAM	12	13	13.31	13.42	13.31	14.60
5	16QAM	25	0	13.44	13.36	13.36	14.60
5	64QAM	1	0	13.35	13.40	13.23	14.60
5	64QAM	1	12	13.36	13.47	13.31	14.60
5	64QAM	1	24	13.27	13.32	13.41	14.60
5	64QAM	12	0	13.42	13.32	13.39	14.60
5	64QAM	12	7	13.35	13.47	13.45	14.60
5	64QAM	12	13	13.47	13.35	13.28	14.60
5	64QAM	25	0	13.46	13.30	13.36	14.60
5	256QAM	1	0	13.32	13.51	13.30	14.60
5	256QAM	1	12	13.45	13.38	13.34	14.60
5	256QAM	1	24	13.37	13.47	13.43	14.60
5	256QAM	12	0	13.43	13.39	13.38	14.60



5	256QAM	12	7	13.34	13.43	13.32	14.60
5	256QAM	12	13	13.42	13.40	13.45	14.60
5	256QAM	25	0	13.36	13.41	13.36	14.60

【LTE Band 7_Ant 3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.28	23.35	23.33	24.00
20	QPSK	1	49	23.03	23.24	23.14	24.00
20	QPSK	1	99	22.99	23.19	23.06	24.00
20	QPSK	50	0	22.31	22.36	22.34	23.00
20	QPSK	50	24	22.11	22.24	22.20	23.00
20	QPSK	50	50	22.21	22.29	22.14	23.00
20	QPSK	100	0	22.20	22.32	22.20	23.00
20	16QAM	1	0	22.14	22.34	22.28	23.00
20	16QAM	1	49	22.02	22.15	22.07	23.00
20	16QAM	1	99	22.07	22.25	22.16	23.00
20	16QAM	50	0	21.12	21.33	21.19	22.00
20	16QAM	50	24	20.99	21.19	21.12	22.00
20	16QAM	50	50	21.10	21.19	21.03	22.00
20	16QAM	100	0	21.18	21.32	21.22	22.00
20	64QAM	1	0	21.22	21.31	21.22	22.00
20	64QAM	1	49	21.07	21.17	21.03	22.00
20	64QAM	1	99	21.00	21.18	21.03	22.00
20	64QAM	50	0	20.05	20.19	20.16	21.00
20	64QAM	50	24	20.24	20.36	20.21	21.00
20	64QAM	50	50	19.96	20.17	20.07	21.00
20	64QAM	100	0	20.10	20.21	20.10	21.00
20	256QAM	1	0	18.20	18.36	18.25	19.00
20	256QAM	1	49	18.20	18.30	18.17	19.00
20	256QAM	1	99	18.05	18.15	18.08	19.00
20	256QAM	50	0	18.25	18.32	18.22	19.00
20	256QAM	50	24	18.01	18.16	18.12	19.00
20	256QAM	50	50	18.05	18.17	18.07	19.00
20	256QAM	100	0	18.05	18.18	18.04	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.21	23.33	23.32	24.00
15	QPSK	1	37	22.93	23.20	23.00	24.00
15	QPSK	1	74	22.87	23.13	23.01	24.00
15	QPSK	36	0	22.19	22.24	22.21	23.00
15	QPSK	36	20	22.09	22.16	22.14	23.00
15	QPSK	36	39	22.07	22.15	22.11	23.00
15	QPSK	75	0	22.12	22.18	22.06	23.00
15	16QAM	1	0	22.02	22.27	22.21	23.00
15	16QAM	1	37	21.98	22.03	21.93	23.00
15	16QAM	1	74	21.95	22.14	22.15	23.00
15	16QAM	36	0	21.06	21.26	21.07	22.00
15	16QAM	36	20	20.86	21.05	21.03	22.00
15	16QAM	36	39	21.07	21.06	20.93	22.00
15	16QAM	75	0	21.10	21.18	21.09	22.00
15	64QAM	1	0	21.18	21.19	21.16	22.00
15	64QAM	1	37	20.95	21.11	20.89	22.00
15	64QAM	1	74	20.93	21.05	20.96	22.00
15	64QAM	36	0	20.00	20.07	20.11	21.00
15	64QAM	36	20	20.20	20.23	20.13	21.00
15	64QAM	36	39	19.83	20.13	20.03	21.00
15	64QAM	75	0	20.05	20.09	20.01	21.00
15	256QAM	1	0	18.13	18.30	18.11	19.00
15	256QAM	1	37	18.18	18.27	18.13	19.00
15	256QAM	1	74	17.92	18.13	18.02	19.00
15	256QAM	36	0	18.15	18.25	18.10	19.00
15	256QAM	36	20	17.97	18.04	18.10	19.00
15	256QAM	36	39	18.03	18.07	18.02	19.00
15	256QAM	75	0	18.00	18.13	18.00	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.23	23.23	23.29	24.00
10	QPSK	1	25	22.98	23.22	23.12	24.00
10	QPSK	1	49	22.95	23.12	22.98	24.00



10	QPSK	25	0	22.27	22.32	22.30	23.00
10	QPSK	25	12	22.00	22.22	22.12	23.00
10	QPSK	25	25	22.13	22.21	22.08	23.00
10	QPSK	50	0	22.13	22.17	22.11	23.00
10	16QAM	1	0	22.10	22.24	22.25	23.00
10	16QAM	1	25	21.92	22.06	22.03	23.00
10	16QAM	1	49	21.94	22.10	22.11	23.00
10	16QAM	25	0	21.08	21.23	21.14	22.00
10	16QAM	25	12	20.89	21.11	21.09	22.00
10	16QAM	25	25	21.00	21.05	20.90	22.00
10	16QAM	50	0	21.04	21.19	21.14	22.00
10	64QAM	1	0	21.13	21.19	21.16	22.00
10	64QAM	1	25	21.05	21.13	20.92	22.00
10	64QAM	1	49	20.95	21.05	20.92	22.00
10	64QAM	25	0	19.92	20.18	20.04	21.00
10	64QAM	25	12	20.16	20.26	20.09	21.00
10	64QAM	25	25	19.94	20.16	20.02	21.00
10	64QAM	50	0	20.04	20.18	20.03	21.00
10	256QAM	1	0	18.12	18.23	18.23	19.00
10	256QAM	1	25	18.12	18.19	18.08	19.00
10	256QAM	1	49	17.91	18.10	18.01	19.00
10	256QAM	25	0	18.21	18.23	18.10	19.00
10	256QAM	25	12	17.91	18.14	18.03	19.00
10	256QAM	25	25	17.98	18.04	18.02	19.00
10	256QAM	50	0	18.00	18.05	17.92	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.25	23.34	23.26	24.00
5	QPSK	1	12	22.88	23.22	23.07	24.00
5	QPSK	1	24	22.98	23.05	22.92	24.00
5	QPSK	12	0	22.26	22.26	22.26	23.00
5	QPSK	12	7	21.99	22.17	22.15	23.00
5	QPSK	12	13	22.06	22.18	22.04	23.00
5	QPSK	25	0	22.16	22.27	22.07	23.00
5	16QAM	1	0	22.00	22.26	22.23	23.00
5	16QAM	1	12	21.99	22.10	21.97	23.00
5	16QAM	1	24	22.01	22.17	22.02	23.00
5	16QAM	12	0	21.02	21.24	21.16	22.00
5	16QAM	12	7	20.86	21.17	21.02	22.00
5	16QAM	12	13	20.96	21.07	21.01	22.00
5	16QAM	25	0	21.15	21.30	21.09	22.00
5	64QAM	1	0	21.19	21.23	21.07	22.00
5	64QAM	1	12	21.01	21.16	20.96	22.00
5	64QAM	1	24	20.91	21.05	21.01	22.00
5	64QAM	12	0	19.90	20.10	20.06	21.00
5	64QAM	12	7	20.10	20.26	20.11	21.00
5	64QAM	12	13	19.86	20.14	19.97	21.00
5	64QAM	25	0	20.02	20.17	19.98	21.00
5	256QAM	1	0	18.14	18.29	18.22	19.00
5	256QAM	1	12	18.12	18.27	18.14	19.00
5	256QAM	1	24	18.02	18.13	17.96	19.00
5	256QAM	12	0	18.20	18.24	18.08	19.00
5	256QAM	12	7	17.98	18.10	18.10	19.00
5	256QAM	12	13	17.92	18.14	18.06	19.00
5	256QAM	25	0	18.00	18.12	17.90	19.00

【LTE Band 7_Ant 3_DSI 2】

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	14.81	14.89	14.77	15.40
20	QPSK	1	49	14.45	14.61	14.42	15.40
20	QPSK	1	99	14.40	14.59	14.36	15.40
20	QPSK	50	0	14.82	14.85	14.80	15.40
20	QPSK	50	24	14.57	14.68	14.51	15.40
20	QPSK	50	50	14.56	14.75	14.61	15.40
20	QPSK	100	0	14.67	14.79	14.57	15.40
20	16QAM	1	0	14.45	14.64	14.49	15.40
20	16QAM	1	49	14.53	14.73	14.49	15.40
20	16QAM	1	99	14.57	14.77	14.55	15.40
20	16QAM	50	0	14.57	14.73	14.53	15.40



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20	16QAM	50	24	14.50	14.72	14.51	15.40
20	16QAM	50	50	14.54	14.73	14.48	15.40
20	16QAM	100	0	14.45	14.65	14.41	15.40
20	64QAM	1	0	14.49	14.70	14.49	15.40
20	64QAM	1	49	14.55	14.71	14.46	15.40
20	64QAM	1	99	14.50	14.61	14.41	15.40
20	64QAM	50	0	14.61	14.78	14.61	15.40
20	64QAM	50	24	14.40	14.61	14.39	15.40
20	64QAM	50	50	14.63	14.74	14.52	15.40
20	64QAM	100	0	14.37	14.57	14.42	15.40
20	256QAM	1	0	14.58	14.73	14.53	15.40
20	256QAM	1	49	14.67	14.77	14.56	15.40
20	256QAM	1	99	14.57	14.70	14.45	15.40
20	256QAM	50	0	14.51	14.60	14.40	15.40
20	256QAM	50	24	14.50	14.59	14.38	15.40
20	256QAM	50	50	14.59	14.79	14.64	15.40
20	256QAM	100	0	14.58	14.73	14.53	15.40
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	14.72	14.75	14.74	15.40
15	QPSK	1	37	14.34	14.55	14.41	15.40
15	QPSK	1	74	14.36	14.50	14.32	15.40
15	QPSK	36	0	14.78	14.74	14.76	15.40
15	QPSK	36	20	14.55	14.66	14.46	15.40
15	QPSK	36	39	14.48	14.71	14.50	15.40
15	QPSK	75	0	14.55	14.67	14.42	15.40
15	16QAM	1	0	14.44	14.60	14.41	15.40
15	16QAM	1	37	14.40	14.70	14.39	15.40
15	16QAM	1	74	14.46	14.65	14.53	15.40
15	16QAM	36	0	14.47	14.71	14.40	15.40
15	16QAM	36	20	14.46	14.58	14.44	15.40
15	16QAM	36	39	14.49	14.65	14.34	15.40
15	16QAM	75	0	14.31	14.55	14.35	15.40
15	64QAM	1	0	14.43	14.59	14.43	15.40
15	64QAM	1	37	14.49	14.60	14.34	15.40
15	64QAM	1	74	14.48	14.58	14.36	15.40
15	64QAM	36	0	14.51	14.73	14.47	15.40
15	64QAM	36	20	14.31	14.54	14.24	15.40
15	64QAM	36	39	14.60	14.71	14.43	15.40
15	64QAM	75	0	14.31	14.46	14.29	15.40
15	256QAM	1	0	14.43	14.62	14.43	15.40
15	256QAM	1	37	14.53	14.67	14.42	15.40
15	256QAM	1	74	14.42	14.64	14.41	15.40
15	256QAM	36	0	14.39	14.56	14.33	15.40
15	256QAM	36	20	14.39	14.54	14.36	15.40
15	256QAM	36	39	14.47	14.67	14.53	15.40
15	256QAM	75	0	14.55	14.60	14.49	15.40
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	14.77	14.84	14.74	15.40
10	QPSK	1	25	14.35	14.57	14.38	15.40
10	QPSK	1	49	14.36	14.50	14.30	15.40
10	QPSK	25	0	14.78	14.75	14.68	15.40
10	QPSK	25	12	14.50	14.58	14.46	15.40
10	QPSK	25	25	14.50	14.67	14.46	15.40
10	QPSK	50	0	14.54	14.74	14.47	15.40
10	16QAM	1	0	14.42	14.56	14.38	15.40
10	16QAM	1	25	14.48	14.62	14.39	15.40
10	16QAM	1	49	14.53	14.69	14.48	15.40
10	16QAM	25	0	14.45	14.59	14.38	15.40
10	16QAM	25	12	14.47	14.70	14.38	15.40
10	16QAM	25	25	14.51	14.66	14.38	15.40
10	16QAM	50	0	14.37	14.57	14.34	15.40
10	64QAM	1	0	14.38	14.64	14.43	15.40
10	64QAM	1	25	14.52	14.68	14.31	15.40
10	64QAM	1	49	14.35	14.55	14.33	15.40
10	64QAM	25	0	14.52	14.74	14.49	15.40
10	64QAM	25	12	14.28	14.54	14.32	15.40
10	64QAM	25	25	14.59	14.60	14.51	15.40
10	64QAM	50	0	14.22	14.48	14.34	15.40
10	256QAM	1	0	14.47	14.65	14.47	15.40
10	256QAM	1	25	14.60	14.64	14.48	15.40
10	256QAM	1	49	14.53	14.69	14.34	15.40
10	256QAM	25	0	14.48	14.57	14.28	15.40
10	256QAM	25	12	14.40	14.58	14.24	15.40
10	256QAM	25	25	14.46	14.76	14.53	15.40
10	256QAM	50	0	14.47	14.61	14.50	15.40
Channel				20775	21100	21425	Tune-up limit



Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	14.77	14.88	14.69	15.40
5	QPSK	1	12	14.33	14.57	14.33	15.40
5	QPSK	1	24	14.31	14.51	14.24	15.40
5	QPSK	12	0	14.75	14.82	14.73	15.40
5	QPSK	12	7	14.45	14.66	14.36	15.40
5	QPSK	12	13	14.50	14.72	14.46	15.40
5	QPSK	25	0	14.54	14.69	14.55	15.40
5	16QAM	1	0	14.40	14.50	14.39	15.40
5	16QAM	1	12	14.50	14.69	14.45	15.40
5	16QAM	1	24	14.52	14.75	14.43	15.40
5	16QAM	12	0	14.54	14.60	14.40	15.40
5	16QAM	12	7	14.39	14.60	14.36	15.40
5	16QAM	12	13	14.46	14.68	14.47	15.40
5	16QAM	25	0	14.41	14.54	14.39	15.40
5	64QAM	1	0	14.44	14.57	14.40	15.40
5	64QAM	1	12	14.42	14.57	14.36	15.40
5	64QAM	1	24	14.45	14.59	14.39	15.40
5	64QAM	12	0	14.50	14.65	14.56	15.40
5	64QAM	12	7	14.30	14.53	14.27	15.40
5	64QAM	12	13	14.61	14.64	14.43	15.40
5	64QAM	25	0	14.29	14.45	14.41	15.40
5	256QAM	1	0	14.56	14.66	14.40	15.40
5	256QAM	1	12	14.65	14.67	14.46	15.40
5	256QAM	1	24	14.53	14.59	14.33	15.40
5	256QAM	12	0	14.38	14.49	14.38	15.40
5	256QAM	12	7	14.45	14.53	14.26	15.40
5	256QAM	12	13	14.55	14.68	14.55	15.40
5	256QAM	25	0	14.56	14.68	14.46	15.40

【LTE Band 7_Ant 3_DSI 3】

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	16.35	16.41	16.38	17.10
20	QPSK	1	49	16.05	16.20	16.02	17.10
20	QPSK	1	99	16.11	16.18	16.14	17.10
20	QPSK	50	0	16.31	16.35	16.28	17.10
20	QPSK	50	24	16.14	16.25	16.14	17.10
20	QPSK	50	50	16.18	16.32	16.18	17.10
20	QPSK	100	0	16.26	16.33	16.24	17.10
20	16QAM	1	0	16.10	16.27	16.11	17.10
20	16QAM	1	49	16.17	16.27	16.16	17.10
20	16QAM	1	99	16.11	16.28	16.15	17.10
20	16QAM	50	0	15.93	16.12	16.01	17.10
20	16QAM	50	24	16.06	16.13	15.98	17.10
20	16QAM	50	50	16.06	16.18	16.14	17.10
20	16QAM	100	0	16.10	16.28	16.21	17.10
20	64QAM	1	0	16.07	16.21	16.09	17.10
20	64QAM	1	49	16.03	16.16	16.00	17.10
20	64QAM	1	99	15.97	16.12	15.96	17.10
20	64QAM	50	0	16.16	16.26	16.18	17.10
20	64QAM	50	24	16.12	16.31	16.16	17.10
20	64QAM	50	50	16.14	16.29	16.21	17.10
20	64QAM	100	0	16.16	16.24	16.11	17.10
20	256QAM	1	0	16.19	16.30	16.23	17.10
20	256QAM	1	49	15.97	16.17	16.10	17.10
20	256QAM	1	99	16.12	16.24	16.20	17.10
20	256QAM	50	0	16.11	16.29	16.12	17.10
20	256QAM	50	24	16.11	16.28	16.21	17.10
20	256QAM	50	50	16.03	16.10	16.03	17.10
20	256QAM	100	0	16.01	16.15	16.03	17.10
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.31	16.39	16.36	17.10
15	QPSK	1	37	15.93	16.11	15.88	17.10
15	QPSK	1	74	15.97	16.03	16.02	17.10
15	QPSK	36	0	16.26	16.32	16.27	17.10
15	QPSK	36	20	16.01	16.20	16.07	17.10
15	QPSK	36	39	16.06	16.17	16.06	17.10
15	QPSK	75	0	16.15	16.19	16.09	17.10



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15	16QAM	1	0	16.00	16.16	16.02	17.10
15	16QAM	1	37	16.12	16.16	16.06	17.10
15	16QAM	1	74	16.00	16.18	16.09	17.10
15	16QAM	36	0	15.80	16.07	15.89	17.10
15	16QAM	36	20	16.05	16.09	15.84	17.10
15	16QAM	36	39	15.98	16.03	16.10	17.10
15	16QAM	75	0	16.04	16.20	16.13	17.10
15	64QAM	1	0	16.01	16.12	16.05	17.10
15	64QAM	1	37	15.95	16.07	15.94	17.10
15	64QAM	1	74	15.93	15.99	15.90	17.10
15	64QAM	36	0	16.11	16.15	16.04	17.10
15	64QAM	36	20	15.98	16.21	16.06	17.10
15	64QAM	36	39	16.07	16.28	16.17	17.10
15	64QAM	75	0	16.10	16.18	16.06	17.10
15	256QAM	1	0	16.17	16.28	16.11	17.10
15	256QAM	1	37	15.90	16.05	16.02	17.10
15	256QAM	1	74	16.04	16.17	16.09	17.10
15	256QAM	36	0	16.01	16.16	16.09	17.10
15	256QAM	36	20	16.00	16.21	16.14	17.10
15	256QAM	36	39	15.90	16.06	15.93	17.10
15	256QAM	75	0	15.98	16.14	15.89	17.10
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	16.21	16.38	16.33	17.10
10	QPSK	1	25	15.97	16.17	15.99	17.10
10	QPSK	1	49	15.99	16.06	16.12	17.10
10	QPSK	25	0	16.24	16.20	16.20	17.10
10	QPSK	25	12	16.00	16.22	16.07	17.10
10	QPSK	25	25	16.14	16.31	16.13	17.10
10	QPSK	50	0	16.11	16.31	16.20	17.10
10	16QAM	1	0	16.07	16.24	16.06	17.10
10	16QAM	1	25	16.12	16.15	16.04	17.10
10	16QAM	1	49	15.99	16.21	16.04	17.10
10	16QAM	25	0	15.78	16.00	15.91	17.10
10	16QAM	25	12	15.92	16.03	15.91	17.10
10	16QAM	25	25	16.05	16.12	16.00	17.10
10	16QAM	50	0	16.01	16.20	16.09	17.10
10	64QAM	1	0	16.02	16.10	16.03	17.10
10	64QAM	1	25	15.94	16.04	15.96	17.10
10	64QAM	1	49	15.90	16.11	15.81	17.10
10	64QAM	25	0	16.14	16.18	16.11	17.10
10	64QAM	25	12	16.07	16.30	16.10	17.10
10	64QAM	25	25	16.00	16.24	16.13	17.10
10	64QAM	50	0	16.14	16.17	16.07	17.10
10	256QAM	1	0	16.14	16.27	16.20	17.10
10	256QAM	1	25	15.82	16.13	16.06	17.10
10	256QAM	1	49	16.10	16.22	16.17	17.10
10	256QAM	25	0	16.05	16.20	16.02	17.10
10	256QAM	25	12	16.10	16.22	16.14	17.10
10	256QAM	25	25	15.92	16.03	15.98	17.10
10	256QAM	50	0	16.00	16.13	15.88	17.10
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	16.31	16.26	16.29	17.10
5	QPSK	1	12	16.02	16.09	16.01	17.10
5	QPSK	1	24	16.00	16.10	16.10	17.10
5	QPSK	12	0	16.22	16.25	16.21	17.10
5	QPSK	12	7	16.02	16.14	16.01	17.10
5	QPSK	12	13	16.05	16.23	16.04	17.10
5	QPSK	25	0	16.15	16.22	16.19	17.10
5	16QAM	1	0	15.96	16.14	15.98	17.10
5	16QAM	1	12	16.15	16.19	16.09	17.10
5	16QAM	1	24	16.08	16.16	16.05	17.10
5	16QAM	12	0	15.91	16.10	15.88	17.10
5	16QAM	12	7	15.94	16.03	15.92	17.10
5	16QAM	12	13	16.04	16.11	16.03	17.10
5	16QAM	25	0	16.03	16.23	16.10	17.10
5	64QAM	1	0	16.04	16.14	16.08	17.10
5	64QAM	1	12	15.98	16.11	15.90	17.10
5	64QAM	1	24	15.86	16.03	15.90	17.10
5	64QAM	12	0	16.13	16.14	16.10	17.10
5	64QAM	12	7	16.07	16.17	16.14	17.10
5	64QAM	12	13	16.02	16.18	16.17	17.10
5	64QAM	25	0	16.06	16.15	16.05	17.10
5	256QAM	1	0	16.14	16.29	16.17	17.10
5	256QAM	1	12	15.96	16.10	16.02	17.10
5	256QAM	1	24	16.04	16.21	16.16	17.10
5	256QAM	12	0	16.07	16.20	16.05	17.10



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5	256QAM	12	7	16.07	16.21	16.16	17.10
5	256QAM	12	13	15.96	16.05	15.94	17.10
5	256QAM	25	0	15.89	16.14	15.95	17.10

【LTE Band 7_Ant 3_DSI 4】

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	23.28	23.35	23.33	24.00
20	QPSK	1	49	23.03	23.24	23.14	24.00
20	QPSK	1	99	22.99	23.19	23.06	24.00
20	QPSK	50	0	22.31	22.36	22.34	23.00
20	QPSK	50	24	22.11	22.24	22.20	23.00
20	QPSK	50	50	22.21	22.29	22.14	23.00
20	QPSK	100	0	22.20	22.32	22.20	23.00
20	16QAM	1	0	22.14	22.34	22.28	23.00
20	16QAM	1	49	22.02	22.15	22.07	23.00
20	16QAM	1	99	22.07	22.25	22.16	23.00
20	16QAM	50	0	21.12	21.33	21.19	22.00
20	16QAM	50	24	20.99	21.19	21.12	22.00
20	16QAM	50	50	21.10	21.19	21.03	22.00
20	16QAM	100	0	21.18	21.32	21.22	22.00
20	64QAM	1	0	21.22	21.31	21.22	22.00
20	64QAM	1	49	21.07	21.17	21.03	22.00
20	64QAM	1	99	21.00	21.18	21.03	22.00
20	64QAM	50	0	20.05	20.19	20.16	21.00
20	64QAM	50	24	20.24	20.36	20.21	21.00
20	64QAM	50	50	19.96	20.17	20.07	21.00
20	64QAM	100	0	20.10	20.21	20.10	21.00
20	256QAM	1	0	18.20	18.36	18.25	19.00
20	256QAM	1	49	18.20	18.30	18.17	19.00
20	256QAM	1	99	18.05	18.15	18.08	19.00
20	256QAM	50	0	18.25	18.32	18.22	19.00
20	256QAM	50	24	18.01	18.16	18.12	19.00
20	256QAM	50	50	18.05	18.17	18.07	19.00
20	256QAM	100	0	18.05	18.18	18.04	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.21	23.33	23.32	24.00
15	QPSK	1	37	22.93	23.20	23.00	24.00
15	QPSK	1	74	22.87	23.13	23.01	24.00
15	QPSK	36	0	22.19	22.24	22.21	23.00
15	QPSK	36	20	22.09	22.16	22.14	23.00
15	QPSK	36	39	22.07	22.15	22.11	23.00
15	QPSK	75	0	22.12	22.18	22.06	23.00
15	16QAM	1	0	22.02	22.27	22.21	23.00
15	16QAM	1	37	21.98	22.03	21.93	23.00
15	16QAM	1	74	21.95	22.14	22.15	23.00
15	16QAM	36	0	21.06	21.26	21.07	22.00
15	16QAM	36	20	20.86	21.05	21.03	22.00
15	16QAM	36	39	21.07	21.06	20.93	22.00
15	16QAM	75	0	21.10	21.18	21.09	22.00
15	64QAM	1	0	21.18	21.19	21.16	22.00
15	64QAM	1	37	20.95	21.11	20.89	22.00
15	64QAM	1	74	20.93	21.05	20.96	22.00
15	64QAM	36	0	20.00	20.07	20.11	21.00
15	64QAM	36	20	20.20	20.23	20.13	21.00
15	64QAM	36	39	19.83	20.13	20.03	21.00
15	64QAM	75	0	20.05	20.09	20.01	21.00
15	256QAM	1	0	18.13	18.30	18.11	19.00
15	256QAM	1	37	18.18	18.27	18.13	19.00
15	256QAM	1	74	17.92	18.13	18.02	19.00
15	256QAM	36	0	18.15	18.25	18.10	19.00
15	256QAM	36	20	17.97	18.04	18.10	19.00
15	256QAM	36	39	18.03	18.07	18.02	19.00
15	256QAM	75	0	18.00	18.13	18.00	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.23	23.23	23.29	24.00
10	QPSK	1	25	22.98	23.22	23.12	24.00
10	QPSK	1	49	22.95	23.12	22.98	24.00



10	QPSK	25	0	22.27	22.32	22.30	23.00
10	QPSK	25	12	22.00	22.22	22.12	23.00
10	QPSK	25	25	22.13	22.21	22.08	23.00
10	QPSK	50	0	22.13	22.17	22.11	23.00
10	16QAM	1	0	22.10	22.24	22.25	23.00
10	16QAM	1	25	21.92	22.06	22.03	23.00
10	16QAM	1	49	21.94	22.10	22.11	23.00
10	16QAM	25	0	21.08	21.23	21.14	22.00
10	16QAM	25	12	20.89	21.11	21.09	22.00
10	16QAM	25	25	21.00	21.05	20.90	22.00
10	16QAM	50	0	21.04	21.19	21.14	22.00
10	64QAM	1	0	21.13	21.19	21.16	22.00
10	64QAM	1	25	21.05	21.13	20.92	22.00
10	64QAM	1	49	20.95	21.05	20.92	22.00
10	64QAM	25	0	19.92	20.18	20.04	21.00
10	64QAM	25	12	20.16	20.26	20.09	21.00
10	64QAM	25	25	19.94	20.16	20.02	21.00
10	64QAM	50	0	20.04	20.18	20.03	21.00
10	256QAM	1	0	18.12	18.23	18.23	19.00
10	256QAM	1	25	18.12	18.19	18.08	19.00
10	256QAM	1	49	17.91	18.10	18.01	19.00
10	256QAM	25	0	18.21	18.23	18.10	19.00
10	256QAM	25	12	17.91	18.14	18.03	19.00
10	256QAM	25	25	17.98	18.04	18.02	19.00
10	256QAM	50	0	18.00	18.05	17.92	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.25	23.34	23.26	24.00
5	QPSK	1	12	22.88	23.22	23.07	24.00
5	QPSK	1	24	22.98	23.05	22.92	24.00
5	QPSK	12	0	22.26	22.26	22.26	23.00
5	QPSK	12	7	21.99	22.17	22.15	23.00
5	QPSK	12	13	22.06	22.18	22.04	23.00
5	QPSK	25	0	22.16	22.27	22.07	23.00
5	16QAM	1	0	22.00	22.26	22.23	23.00
5	16QAM	1	12	21.99	22.10	21.97	23.00
5	16QAM	1	24	22.01	22.17	22.02	23.00
5	16QAM	12	0	21.02	21.24	21.16	22.00
5	16QAM	12	7	20.86	21.17	21.02	22.00
5	16QAM	12	13	20.96	21.07	21.01	22.00
5	16QAM	25	0	21.15	21.30	21.09	22.00
5	64QAM	1	0	21.19	21.23	21.07	22.00
5	64QAM	1	12	21.01	21.16	20.96	22.00
5	64QAM	1	24	20.91	21.05	21.01	22.00
5	64QAM	12	0	19.90	20.10	20.06	21.00
5	64QAM	12	7	20.10	20.26	20.11	21.00
5	64QAM	12	13	19.86	20.14	19.97	21.00
5	64QAM	25	0	20.02	20.17	19.98	21.00
5	256QAM	1	0	18.14	18.29	18.22	19.00
5	256QAM	1	12	18.12	18.27	18.14	19.00
5	256QAM	1	24	18.02	18.13	17.96	19.00
5	256QAM	12	0	18.20	18.24	18.08	19.00
5	256QAM	12	7	17.98	18.10	18.10	19.00
5	256QAM	12	13	17.92	18.14	18.06	19.00
5	256QAM	25	0	18.00	18.12	17.90	19.00

【LTE Band 7_Ant 3_DSI 6】

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	20.41	20.46	20.43	21.60
20	QPSK	1	49	20.15	20.35	20.25	21.60
20	QPSK	1	99	20.22	20.37	20.29	21.60
20	QPSK	50	0	20.34	20.38	20.33	21.60
20	QPSK	50	24	20.11	20.23	20.08	21.60
20	QPSK	50	50	20.14	20.32	20.26	21.60
20	QPSK	100	0	20.31	20.35	20.32	21.60
20	16QAM	1	0	20.16	20.23	20.08	21.60
20	16QAM	1	49	20.23	20.37	20.25	21.60
20	16QAM	1	99	20.27	20.34	20.22	21.60
20	16QAM	50	0	20.11	20.27	20.10	21.60



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20	16QAM	50	24	20.06	20.25	20.11	21.60
20	16QAM	50	50	20.13	20.25	20.16	21.60
20	16QAM	100	0	20.22	20.31	20.18	21.60
20	64QAM	1	0	20.20	20.31	20.18	21.60
20	64QAM	1	49	20.24	20.32	20.27	21.60
20	64QAM	1	99	20.25	20.35	20.21	21.60
20	64QAM	50	0	20.01	20.16	20.01	21.60
20	64QAM	50	24	20.06	20.18	20.14	21.60
20	64QAM	50	50	20.06	20.15	20.08	21.60
20	64QAM	100	0	20.07	20.21	20.12	21.60
20	256QAM	1	0	18.20	18.36	18.25	19.00
20	256QAM	1	49	18.20	18.30	18.17	19.00
20	256QAM	1	99	18.05	18.15	18.08	19.00
20	256QAM	50	0	18.25	18.32	18.22	19.00
20	256QAM	50	24	18.01	18.16	18.12	19.00
20	256QAM	50	50	18.05	18.17	18.07	19.00
20	256QAM	100	0	18.05	18.18	18.04	19.60
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	20.36	20.35	20.40	21.60
15	QPSK	1	37	20.08	20.26	20.22	21.60
15	QPSK	1	74	20.20	20.30	20.17	21.60
15	QPSK	36	0	20.32	20.28	20.28	21.60
15	QPSK	36	20	20.00	20.21	19.99	21.60
15	QPSK	36	39	20.01	20.20	20.17	21.60
15	QPSK	75	0	20.19	20.30	20.27	21.60
15	16QAM	1	0	20.11	20.17	19.99	21.60
15	16QAM	1	37	20.12	20.26	20.21	21.60
15	16QAM	1	74	20.20	20.27	20.16	21.60
15	16QAM	36	0	19.98	20.21	19.99	21.60
15	16QAM	36	20	19.95	20.12	20.03	21.60
15	16QAM	36	39	20.07	20.11	20.09	21.60
15	16QAM	75	0	20.20	20.26	20.08	21.60
15	64QAM	1	0	20.13	20.17	20.14	21.60
15	64QAM	1	37	20.22	20.25	20.21	21.60
15	64QAM	1	74	20.20	20.24	20.14	21.60
15	64QAM	36	0	20.00	20.12	19.93	21.60
15	64QAM	36	20	19.95	20.13	20.11	21.60
15	64QAM	36	39	19.93	20.14	20.05	21.60
15	64QAM	75	0	20.01	20.14	20.04	21.60
15	256QAM	1	0	18.18	18.31	18.11	19.00
15	256QAM	1	37	18.17	18.28	18.09	19.00
15	256QAM	1	74	17.97	18.02	18.03	19.00
15	256QAM	36	0	18.23	18.20	18.12	19.00
15	256QAM	36	20	17.92	18.15	18.10	19.00
15	256QAM	36	39	17.94	18.08	18.02	19.00
15	256QAM	75	0	18.01	18.15	17.97	19.60
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	20.39	20.38	20.32	21.60
10	QPSK	1	25	20.13	20.26	20.23	21.60
10	QPSK	1	49	20.11	20.27	20.26	21.60
10	QPSK	25	0	20.29	20.24	20.27	21.60
10	QPSK	25	12	19.99	20.21	19.95	21.60
10	QPSK	25	25	20.13	20.29	20.17	21.60
10	QPSK	50	0	20.29	20.32	20.26	21.60
10	16QAM	1	0	20.09	20.18	20.00	21.60
10	16QAM	1	25	20.19	20.30	20.13	21.60
10	16QAM	1	49	20.18	20.31	20.17	21.60
10	16QAM	25	0	20.10	20.20	19.99	21.60
10	16QAM	25	12	20.04	20.10	20.10	21.60
10	16QAM	25	25	20.09	20.23	20.07	21.60
10	16QAM	50	0	20.18	20.25	20.05	21.60
10	64QAM	1	0	20.11	20.24	20.10	21.60
10	64QAM	1	25	20.23	20.27	20.13	21.60
10	64QAM	1	49	20.18	20.26	20.19	21.60
10	64QAM	25	0	19.87	20.13	19.89	21.60
10	64QAM	25	12	19.95	20.15	20.11	21.60
10	64QAM	25	25	19.97	20.07	20.03	21.60
10	64QAM	50	0	19.97	20.10	20.02	21.60
10	256QAM	1	0	18.18	18.24	18.23	19.00
10	256QAM	1	25	18.17	18.20	18.08	19.00
10	256QAM	1	49	18.03	18.05	18.04	19.00
10	256QAM	25	0	18.11	18.22	18.15	19.00
10	256QAM	25	12	17.95	18.14	18.07	19.00
10	256QAM	25	25	17.97	18.08	17.96	19.00
10	256QAM	50	0	17.93	18.10	17.99	19.60
Channel				20775	21100	21425	Tune-up limit

Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	20.34	20.32	20.39	21.60
5	QPSK	1	12	20.09	20.25	20.17	21.60
5	QPSK	1	24	20.17	20.29	20.18	21.60
5	QPSK	12	0	20.20	20.26	20.25	21.60
5	QPSK	12	7	20.03	20.13	20.04	21.60
5	QPSK	12	13	20.07	20.18	20.18	21.60
5	QPSK	25	0	20.28	20.29	20.27	21.60
5	16QAM	1	0	20.12	20.16	20.06	21.60
5	16QAM	1	12	20.11	20.29	20.13	21.60
5	16QAM	1	24	20.16	20.21	20.13	21.60
5	16QAM	12	0	20.00	20.17	20.08	21.60
5	16QAM	12	7	20.04	20.12	20.04	21.60
5	16QAM	12	13	20.11	20.16	20.09	21.60
5	16QAM	25	0	20.14	20.24	20.12	21.60
5	64QAM	1	0	20.13	20.17	20.03	21.60
5	64QAM	1	12	20.12	20.30	20.14	21.60
5	64QAM	1	24	20.23	20.27	20.06	21.60
5	64QAM	12	0	19.97	20.15	19.95	21.60
5	64QAM	12	7	19.94	20.11	20.02	21.60
5	64QAM	12	13	19.93	20.00	20.06	21.60
5	64QAM	25	0	19.98	20.13	20.09	21.60
5	256QAM	1	0	18.06	18.22	18.10	19.00
5	256QAM	1	12	18.16	18.26	18.06	19.00
5	256QAM	1	24	17.95	18.01	18.02	19.00
5	256QAM	12	0	18.14	18.28	18.19	19.00
5	256QAM	12	7	17.96	18.15	18.08	19.00
5	256QAM	12	13	17.97	18.05	18.03	19.00
5	256QAM	25	0	18.00	18.16	17.97	19.60

【LTE Band 7_Ant 3_DSI 7】

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	15.41	15.43	15.38	16.40
20	QPSK	1	49	15.09	15.19	15.09	16.40
20	QPSK	1	99	15.17	15.21	15.05	16.40
20	QPSK	50	0	15.32	15.35	15.33	16.40
20	QPSK	50	24	15.14	15.20	15.04	16.40
20	QPSK	50	50	15.03	15.13	15.04	16.40
20	QPSK	100	0	15.31	15.34	15.29	16.40
20	16QAM	1	0	15.20	15.24	15.16	16.40
20	16QAM	1	49	15.09	15.19	15.10	16.40
20	16QAM	1	99	15.23	15.29	15.21	16.40
20	16QAM	50	0	15.15	15.24	15.08	16.40
20	16QAM	50	24	15.21	15.28	15.15	16.40
20	16QAM	50	50	15.30	15.33	15.23	16.40
20	16QAM	100	0	15.07	15.13	15.04	16.40
20	64QAM	1	0	15.09	15.16	15.01	16.40
20	64QAM	1	49	15.09	15.22	15.08	16.40
20	64QAM	1	99	15.18	15.32	15.23	16.40
20	64QAM	50	0	15.04	15.14	14.98	16.40
20	64QAM	50	24	15.22	15.35	15.19	16.40
20	64QAM	50	50	15.21	15.28	15.13	16.40
20	64QAM	100	0	15.21	15.26	15.15	16.40
20	256QAM	1	0	14.94	15.11	15.03	16.40
20	256QAM	1	49	15.28	15.33	15.19	16.40
20	256QAM	1	99	15.24	15.34	15.20	16.40
20	256QAM	50	0	15.19	15.32	15.18	16.40
20	256QAM	50	24	15.02	15.14	15.03	16.40
20	256QAM	50	50	15.06	15.16	15.02	16.40
20	256QAM	100	0	15.14	15.22	15.03	16.40
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	15.35	15.42	15.31	16.40
15	QPSK	1	37	15.03	15.11	14.98	16.40
15	QPSK	1	74	15.07	15.18	14.99	16.40
15	QPSK	36	0	15.23	15.25	15.25	16.40
15	QPSK	36	20	15.09	15.16	15.00	16.40
15	QPSK	36	39	15.01	15.06	14.98	16.40
15	QPSK	75	0	15.21	15.30	15.15	16.40



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15	16QAM	1	0	15.18	15.18	15.13	16.40
15	16QAM	1	37	15.02	15.09	15.09	16.40
15	16QAM	1	74	15.20	15.27	15.20	16.40
15	16QAM	36	0	15.11	15.21	14.95	16.40
15	16QAM	36	20	15.09	15.20	15.02	16.40
15	16QAM	36	39	15.24	15.28	15.11	16.40
15	16QAM	75	0	14.94	15.08	14.94	16.40
15	64QAM	1	0	15.07	15.05	14.95	16.40
15	64QAM	1	37	15.06	15.14	15.00	16.40
15	64QAM	1	74	15.05	15.18	15.11	16.40
15	64QAM	36	0	14.91	15.07	14.85	16.40
15	64QAM	36	20	15.11	15.26	15.05	16.40
15	64QAM	36	39	15.06	15.22	15.04	16.40
15	64QAM	75	0	15.07	15.18	15.13	16.40
15	256QAM	1	0	14.84	15.04	14.90	16.40
15	256QAM	1	37	15.21	15.28	15.10	16.40
15	256QAM	1	74	15.16	15.24	15.11	16.40
15	256QAM	36	0	15.14	15.31	15.13	16.40
15	256QAM	36	20	14.89	15.01	14.93	16.40
15	256QAM	36	39	14.94	15.10	14.93	16.40
15	256QAM	75	0	15.03	15.19	14.89	16.40
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	15.38	15.32	15.34	16.40
10	QPSK	1	25	14.97	15.12	14.99	16.40
10	QPSK	1	49	15.05	15.07	15.00	16.40
10	QPSK	25	0	15.26	15.33	15.23	16.40
10	QPSK	25	12	15.01	15.12	14.90	16.40
10	QPSK	25	25	14.93	15.10	14.93	16.40
10	QPSK	50	0	15.23	15.29	15.27	16.40
10	16QAM	1	0	15.10	15.13	15.14	16.40
10	16QAM	1	25	15.04	15.08	15.02	16.40
10	16QAM	1	49	15.10	15.25	15.08	16.40
10	16QAM	25	0	15.02	15.22	15.03	16.40
10	16QAM	25	12	15.07	15.22	15.01	16.40
10	16QAM	25	25	15.26	15.21	15.13	16.40
10	16QAM	50	0	14.98	15.11	14.93	16.40
10	64QAM	1	0	14.97	15.09	14.96	16.40
10	64QAM	1	25	14.95	15.20	15.03	16.40
10	64QAM	1	49	15.04	15.26	15.12	16.40
10	64QAM	25	0	14.92	15.10	14.84	16.40
10	64QAM	25	12	15.10	15.27	15.15	16.40
10	64QAM	25	25	15.15	15.21	15.01	16.40
10	64QAM	50	0	15.11	15.13	15.05	16.40
10	256QAM	1	0	14.85	14.99	14.91	16.40
10	256QAM	1	25	15.20	15.21	15.13	16.40
10	256QAM	1	49	15.11	15.23	15.11	16.40
10	256QAM	25	0	15.16	15.27	15.17	16.40
10	256QAM	25	12	14.92	15.03	14.98	16.40
10	256QAM	25	25	15.03	15.12	14.97	16.40
10	256QAM	50	0	15.01	15.21	14.94	16.40
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	15.29	15.41	15.28	16.40
5	QPSK	1	12	15.07	15.13	15.03	16.40
5	QPSK	1	24	15.16	15.12	15.02	16.40
5	QPSK	12	0	15.22	15.28	15.27	16.40
5	QPSK	12	7	15.03	15.08	15.01	16.40
5	QPSK	12	13	14.92	15.03	15.02	16.40
5	QPSK	25	0	15.18	15.22	15.25	16.40
5	16QAM	1	0	15.15	15.23	15.04	16.40
5	16QAM	1	12	14.98	15.09	15.02	16.40
5	16QAM	1	24	15.09	15.16	15.10	16.40
5	16QAM	12	0	15.03	15.17	14.98	16.40
5	16QAM	12	7	15.06	15.17	15.09	16.40
5	16QAM	12	13	15.17	15.21	15.11	16.40
5	16QAM	25	0	14.93	15.01	14.90	16.40
5	64QAM	1	0	15.02	15.10	14.88	16.40
5	64QAM	1	12	15.00	15.10	15.06	16.40
5	64QAM	1	24	15.12	15.29	15.08	16.40
5	64QAM	12	0	14.93	15.10	14.96	16.40
5	64QAM	12	7	15.16	15.28	15.12	16.40
5	64QAM	12	13	15.08	15.25	15.04	16.40
5	64QAM	25	0	15.19	15.12	15.06	16.40
5	256QAM	1	0	14.80	15.10	15.01	16.40
5	256QAM	1	12	15.26	15.29	15.06	16.40
5	256QAM	1	24	15.11	15.20	15.10	16.40
5	256QAM	12	0	15.12	15.24	15.07	16.40



5	256QAM	12	7	14.90	15.12	14.98	16.40
5	256QAM	12	13	15.03	15.05	14.93	16.40
5	256QAM	25	0	15.00	15.14	14.96	16.40

【LTE Band 7_Ant 3_DSI 12】

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	11.64	11.65	11.61	12.90
20	QPSK	1	49	11.44	11.42	11.47	12.90
20	QPSK	1	99	11.45	11.36	11.43	12.90
20	QPSK	50	0	11.44	11.64	11.45	12.90
20	QPSK	50	24	11.39	11.43	11.41	12.90
20	QPSK	50	50	11.38	11.38	11.42	12.90
20	QPSK	100	0	11.40	11.47	11.46	12.90
20	16QAM	1	0	11.46	11.43	11.46	12.90
20	16QAM	1	49	11.42	11.38	11.37	12.90
20	16QAM	1	99	11.37	11.47	11.41	12.90
20	16QAM	50	0	11.44	11.45	11.37	12.90
20	16QAM	50	24	11.45	11.43	11.41	12.90
20	16QAM	50	50	11.44	11.42	11.48	12.90
20	16QAM	100	0	11.41	11.37	11.39	12.90
20	64QAM	1	0	11.40	11.38	11.40	12.90
20	64QAM	1	49	11.38	11.47	11.45	12.90
20	64QAM	1	99	11.48	11.46	11.41	12.90
20	64QAM	50	0	11.48	11.36	11.42	12.90
20	64QAM	50	24	11.39	11.45	11.40	12.90
20	64QAM	50	50	11.43	11.41	11.44	12.90
20	64QAM	100	0	11.38	11.37	11.44	12.90
20	256QAM	1	0	11.47	11.39	11.46	12.90
20	256QAM	1	49	11.41	11.40	11.44	12.90
20	256QAM	1	99	11.48	11.38	11.39	12.90
20	256QAM	50	0	11.40	11.46	11.42	12.90
20	256QAM	50	24	11.37	11.47	11.44	12.90
20	256QAM	50	50	11.48	11.37	11.47	12.90
20	256QAM	100	0	11.41	11.44	11.37	12.90
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	11.50	11.62	11.58	12.90
15	QPSK	1	37	11.31	11.28	11.38	12.90
15	QPSK	1	74	11.36	11.35	11.30	12.90
15	QPSK	36	0	11.40	11.28	11.37	12.90
15	QPSK	36	20	11.35	11.59	11.44	12.90
15	QPSK	36	39	11.25	11.32	11.44	12.90
15	QPSK	75	0	11.38	11.40	11.36	12.90
15	16QAM	1	0	11.35	11.40	11.41	12.90
15	16QAM	1	37	11.34	11.29	11.24	12.90
15	16QAM	1	74	11.27	11.41	11.31	12.90
15	16QAM	36	0	11.37	11.41	11.30	12.90
15	16QAM	36	20	11.43	11.32	11.35	12.90
15	16QAM	36	39	11.42	11.34	11.41	12.90
15	16QAM	75	0	11.35	11.31	11.36	12.90
15	64QAM	1	0	11.32	11.24	11.34	12.90
15	64QAM	1	37	11.28	11.44	11.37	12.90
15	64QAM	1	74	11.40	11.32	11.36	12.90
15	64QAM	36	0	11.35	11.33	11.29	12.90
15	64QAM	36	20	11.35	11.43	11.36	12.90
15	64QAM	36	39	11.35	11.28	11.42	12.90
15	64QAM	75	0	11.24	11.28	11.41	12.90
15	256QAM	1	0	11.36	11.29	11.39	12.90
15	256QAM	1	37	11.31	11.39	11.31	12.90
15	256QAM	1	74	11.34	11.33	11.35	12.90
15	256QAM	36	0	11.33	11.37	11.38	12.90
15	256QAM	36	20	11.34	11.36	11.32	12.90
15	256QAM	36	39	11.34	11.26	11.40	12.90
15	256QAM	75	0	11.27	11.40	11.32	12.90
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	11.58	11.50	11.57	12.90
10	QPSK	1	25	11.36	11.30	11.39	12.90
10	QPSK	1	49	11.35	11.26	11.34	12.90



10	QPSK	25	0	11.32	11.29	11.42	12.90
10	QPSK	25	12	11.32	11.54	11.38	12.90
10	QPSK	25	25	11.35	11.26	11.36	12.90
10	QPSK	50	0	11.34	11.43	11.36	12.90
10	16QAM	1	0	11.39	11.41	11.35	12.90
10	16QAM	1	25	11.33	11.34	11.29	12.90
10	16QAM	1	49	11.22	11.40	11.35	12.90
10	16QAM	25	0	11.34	11.42	11.25	12.90
10	16QAM	25	12	11.36	11.37	11.36	12.90
10	16QAM	25	25	11.35	11.41	11.45	12.90
10	16QAM	50	0	11.32	11.26	11.25	12.90
10	64QAM	1	0	11.37	11.29	11.30	12.90
10	64QAM	1	25	11.24	11.33	11.37	12.90
10	64QAM	1	49	11.35	11.35	11.35	12.90
10	64QAM	25	0	11.36	11.29	11.30	12.90
10	64QAM	25	12	11.34	11.36	11.34	12.90
10	64QAM	25	25	11.38	11.35	11.36	12.90
10	64QAM	50	0	11.29	11.26	11.30	12.90
10	256QAM	1	0	11.40	11.35	11.35	12.90
10	256QAM	1	25	11.34	11.37	11.39	12.90
10	256QAM	1	49	11.42	11.36	11.31	12.90
10	256QAM	25	0	11.37	11.37	11.34	12.90
10	256QAM	25	12	11.26	11.35	11.35	12.90
10	256QAM	25	25	11.37	11.30	11.40	12.90
10	256QAM	50	0	11.34	11.38	11.26	12.90
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	11.53	11.60	11.53	12.90
5	QPSK	1	12	11.42	11.40	11.40	12.90
5	QPSK	1	24	11.34	11.34	11.33	12.90
5	QPSK	12	0	11.42	11.31	11.39	12.90
5	QPSK	12	7	11.38	11.49	11.32	12.90
5	QPSK	12	13	11.30	11.29	11.46	12.90
5	QPSK	25	0	11.37	11.42	11.35	12.90
5	16QAM	1	0	11.45	11.37	11.31	12.90
5	16QAM	1	12	11.30	11.33	11.31	12.90
5	16QAM	1	24	11.33	11.38	11.38	12.90
5	16QAM	12	0	11.38	11.36	11.29	12.90
5	16QAM	12	7	11.43	11.34	11.33	12.90
5	16QAM	12	13	11.35	11.29	11.35	12.90
5	16QAM	25	0	11.37	11.28	11.38	12.90
5	64QAM	1	0	11.34	11.36	11.31	12.90
5	64QAM	1	12	11.33	11.45	11.41	12.90
5	64QAM	1	24	11.34	11.32	11.37	12.90
5	64QAM	12	0	11.37	11.30	11.40	12.90
5	64QAM	12	7	11.27	11.38	11.33	12.90
5	64QAM	12	13	11.30	11.27	11.34	12.90
5	64QAM	25	0	11.25	11.25	11.43	12.90
5	256QAM	1	0	11.41	11.38	11.33	12.90
5	256QAM	1	12	11.32	11.25	11.42	12.90
5	256QAM	1	24	11.42	11.32	11.26	12.90
5	256QAM	12	0	11.38	11.45	11.37	12.90
5	256QAM	12	7	11.24	11.44	11.34	12.90
5	256QAM	12	13	11.45	11.29	11.33	12.90
5	256QAM	25	0	11.29	11.40	11.28	12.90

【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	21.86	21.95	21.92	23.00
20	QPSK	1	49	21.45	21.69	21.53	23.00
20	QPSK	1	99	21.60	21.71	21.54	23.00
20	QPSK	50	0	20.92	20.98	20.96	22.00
20	QPSK	50	24	20.55	20.75	20.63	22.00
20	QPSK	50	50	20.59	20.74	20.60	22.00
20	QPSK	100	0	20.78	20.94	20.85	22.00
20	16QAM	1	0	20.73	20.90	20.82	22.00
20	16QAM	1	49	20.55	20.75	20.59	22.00
20	16QAM	1	99	20.73	20.87	20.77	22.00
20	16QAM	50	0	19.80	19.92	19.77	21.00



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20	16QAM	50	24	19.71	19.90	19.78	21.00
20	16QAM	50	50	19.69	19.87	19.76	21.00
20	16QAM	100	0	19.65	19.82	19.72	21.00
20	64QAM	1	0	19.70	19.92	19.86	21.00
20	64QAM	1	49	19.60	19.76	19.62	21.00
20	64QAM	1	99	19.63	19.85	19.72	21.00
20	64QAM	50	0	18.66	18.82	18.71	20.00
20	64QAM	50	24	18.55	18.77	18.63	20.00
20	64QAM	50	50	18.78	18.95	18.79	20.00
20	64QAM	100	0	18.71	18.85	18.71	20.00
20	256QAM	1	0	16.57	16.73	16.67	18.00
20	256QAM	1	49	16.72	16.89	16.78	18.00
20	256QAM	1	99	16.56	16.77	16.68	18.00
20	256QAM	50	0	16.77	16.93	16.87	18.00
20	256QAM	50	24	16.68	16.76	16.68	18.00
20	256QAM	50	50	16.71	16.83	16.77	18.00
20	256QAM	100	0	16.68	16.80	16.68	18.00
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	21.74	21.90	21.91	23.00
15	QPSK	1	37	21.40	21.57	21.40	23.00
15	QPSK	1	74	21.52	21.58	21.48	23.00
15	QPSK	36	0	20.85	20.87	20.82	22.00
15	QPSK	36	20	20.46	20.63	20.51	22.00
15	QPSK	36	39	20.51	20.71	20.52	22.00
15	QPSK	75	0	20.68	20.84	20.73	22.00
15	16QAM	1	0	20.66	20.88	20.69	22.00
15	16QAM	1	37	20.49	20.68	20.55	22.00
15	16QAM	1	74	20.70	20.80	20.71	22.00
15	16QAM	36	0	19.71	19.89	19.73	21.00
15	16QAM	36	20	19.58	19.78	19.67	21.00
15	16QAM	36	39	19.65	19.84	19.70	21.00
15	16QAM	75	0	19.61	19.68	19.68	21.00
15	64QAM	1	0	19.60	19.81	19.74	21.00
15	64QAM	1	37	19.48	19.63	19.57	21.00
15	64QAM	1	74	19.53	19.76	19.59	21.00
15	64QAM	36	0	18.60	18.74	18.68	20.00
15	64QAM	36	20	18.46	18.73	18.53	20.00
15	64QAM	36	39	18.76	18.93	18.77	20.00
15	64QAM	75	0	18.65	18.75	18.68	20.00
15	256QAM	1	0	16.51	16.69	16.58	18.00
15	256QAM	1	37	16.59	16.77	16.64	18.00
15	256QAM	1	74	16.45	16.65	16.66	18.00
15	256QAM	36	0	16.73	16.80	16.77	18.00
15	256QAM	36	20	16.55	16.65	16.58	18.00
15	256QAM	36	39	16.68	16.78	16.76	18.00
15	256QAM	75	0	16.64	16.65	16.65	18.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	21.73	21.84	21.90	23.00
10	QPSK	1	25	21.44	21.62	21.40	23.00
10	QPSK	1	49	21.58	21.65	21.41	23.00
10	QPSK	25	0	20.82	20.97	20.82	22.00
10	QPSK	25	12	20.46	20.63	20.48	22.00
10	QPSK	25	25	20.46	20.72	20.57	22.00
10	QPSK	50	0	20.72	20.86	20.71	22.00
10	16QAM	1	0	20.60	20.87	20.73	22.00
10	16QAM	1	25	20.42	20.68	20.55	22.00
10	16QAM	1	49	20.69	20.83	20.74	22.00
10	16QAM	25	0	19.68	19.91	19.66	21.00
10	16QAM	25	12	19.60	19.80	19.68	21.00
10	16QAM	25	25	19.63	19.80	19.62	21.00
10	16QAM	50	0	19.50	19.76	19.59	21.00
10	64QAM	1	0	19.67	19.77	19.74	21.00
10	64QAM	1	25	19.50	19.69	19.56	21.00
10	64QAM	1	49	19.59	19.73	19.58	21.00
10	64QAM	25	0	18.65	18.71	18.59	20.00
10	64QAM	25	12	18.44	18.74	18.53	20.00
10	64QAM	25	25	18.68	18.90	18.74	20.00
10	64QAM	50	0	18.57	18.82	18.57	20.00
10	256QAM	1	0	16.50	16.63	16.57	18.00
10	256QAM	1	25	16.59	16.86	16.64	18.00
10	256QAM	1	49	16.51	16.68	16.55	18.00
10	256QAM	25	0	16.64	16.80	16.75	18.00
10	256QAM	25	12	16.65	16.63	16.63	18.00
10	256QAM	25	25	16.66	16.70	16.67	18.00
10	256QAM	50	0	16.66	16.78	16.55	18.00
Channel				20775	21100	21425	Tune-up limit



Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	21.82	21.80	21.80	23.00
5	QPSK	1	12	21.37	21.59	21.44	23.00
5	QPSK	1	24	21.50	21.63	21.39	23.00
5	QPSK	12	0	20.85	20.96	20.93	22.00
5	QPSK	12	7	20.50	20.66	20.61	22.00
5	QPSK	12	13	20.45	20.62	20.51	22.00
5	QPSK	25	0	20.71	20.84	20.71	22.00
5	16QAM	1	0	20.70	20.85	20.76	22.00
5	16QAM	1	12	20.44	20.60	20.55	22.00
5	16QAM	1	24	20.69	20.79	20.69	22.00
5	16QAM	12	0	19.70	19.86	19.72	21.00
5	16QAM	12	7	19.62	19.84	19.66	21.00
5	16QAM	12	13	19.56	19.72	19.68	21.00
5	16QAM	25	0	19.60	19.68	19.70	21.00
5	64QAM	1	0	19.65	19.78	19.75	21.00
5	64QAM	1	12	19.49	19.70	19.47	21.00
5	64QAM	1	24	19.54	19.78	19.64	21.00
5	64QAM	12	0	18.64	18.73	18.65	20.00
5	64QAM	12	7	18.50	18.65	18.60	20.00
5	64QAM	12	13	18.75	18.88	18.64	20.00
5	64QAM	25	0	18.58	18.80	18.67	20.00
5	256QAM	1	0	16.44	16.70	16.54	18.00
5	256QAM	1	12	16.61	16.86	16.72	18.00
5	256QAM	1	24	16.54	16.73	16.61	18.00
5	256QAM	12	0	16.75	16.79	16.77	18.00
5	256QAM	12	7	16.66	16.70	16.63	18.00
5	256QAM	12	13	16.62	16.69	16.74	18.00
5	256QAM	25	0	16.64	16.70	16.57	18.00

【LTE Band 7_Ant 4_DSI 2】

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	21.86	21.95	21.92	23.00
20	QPSK	1	49	21.45	21.69	21.53	23.00
20	QPSK	1	99	21.60	21.71	21.54	23.00
20	QPSK	50	0	20.92	20.98	20.96	22.00
20	QPSK	50	24	20.55	20.75	20.63	22.00
20	QPSK	50	50	20.59	20.74	20.60	22.00
20	QPSK	100	0	20.78	20.94	20.85	22.00
20	16QAM	1	0	20.73	20.90	20.82	22.00
20	16QAM	1	49	20.55	20.75	20.59	22.00
20	16QAM	1	99	20.73	20.87	20.77	22.00
20	16QAM	50	0	19.80	19.92	19.77	21.00
20	16QAM	50	24	19.71	19.90	19.78	21.00
20	16QAM	50	50	19.69	19.87	19.76	21.00
20	16QAM	100	0	19.65	19.82	19.72	21.00
20	64QAM	1	0	19.70	19.92	19.86	21.00
20	64QAM	1	49	19.60	19.76	19.62	21.00
20	64QAM	1	99	19.63	19.85	19.72	21.00
20	64QAM	50	0	18.66	18.82	18.71	20.00
20	64QAM	50	24	18.55	18.77	18.63	20.00
20	64QAM	50	50	18.78	18.95	18.79	20.00
20	64QAM	100	0	18.71	18.85	18.71	20.00
20	256QAM	1	0	16.57	16.73	16.67	18.00
20	256QAM	1	49	16.72	16.89	16.78	18.00
20	256QAM	1	99	16.56	16.77	16.68	18.00
20	256QAM	50	0	16.77	16.93	16.87	18.00
20	256QAM	50	24	16.68	16.76	16.68	18.00
20	256QAM	50	50	16.71	16.83	16.77	18.00
20	256QAM	100	0	16.68	16.80	16.68	18.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.74	21.90	21.91	23.00
15	QPSK	1	37	21.40	21.57	21.40	23.00
15	QPSK	1	74	21.52	21.58	21.48	23.00
15	QPSK	36	0	20.85	20.87	20.82	22.00
15	QPSK	36	20	20.46	20.63	20.51	22.00
15	QPSK	36	39	20.51	20.71	20.52	22.00
15	QPSK	75	0	20.68	20.84	20.73	22.00



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15	16QAM	1	0	20.66	20.88	20.69	22.00
15	16QAM	1	37	20.49	20.68	20.55	22.00
15	16QAM	1	74	20.70	20.80	20.71	22.00
15	16QAM	36	0	19.71	19.89	19.73	21.00
15	16QAM	36	20	19.58	19.78	19.67	21.00
15	16QAM	36	39	19.65	19.84	19.70	21.00
15	16QAM	75	0	19.61	19.68	19.68	21.00
15	64QAM	1	0	19.60	19.81	19.74	21.00
15	64QAM	1	37	19.48	19.63	19.57	21.00
15	64QAM	1	74	19.53	19.76	19.59	21.00
15	64QAM	36	0	18.60	18.74	18.68	20.00
15	64QAM	36	20	18.46	18.73	18.53	20.00
15	64QAM	36	39	18.76	18.93	18.77	20.00
15	64QAM	75	0	18.65	18.75	18.68	20.00
15	256QAM	1	0	16.51	16.69	16.58	18.00
15	256QAM	1	37	16.59	16.77	16.64	18.00
15	256QAM	1	74	16.45	16.65	16.66	18.00
15	256QAM	36	0	16.73	16.80	16.77	18.00
15	256QAM	36	20	16.55	16.65	16.58	18.00
15	256QAM	36	39	16.68	16.78	16.76	18.00
15	256QAM	75	0	16.64	16.65	16.65	18.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	21.73	21.84	21.90	23.00
10	QPSK	1	25	21.44	21.62	21.40	23.00
10	QPSK	1	49	21.58	21.65	21.41	23.00
10	QPSK	25	0	20.82	20.97	20.82	22.00
10	QPSK	25	12	20.46	20.63	20.48	22.00
10	QPSK	25	25	20.46	20.72	20.57	22.00
10	QPSK	50	0	20.72	20.86	20.71	22.00
10	16QAM	1	0	20.60	20.87	20.73	22.00
10	16QAM	1	25	20.42	20.68	20.55	22.00
10	16QAM	1	49	20.69	20.83	20.74	22.00
10	16QAM	25	0	19.68	19.91	19.66	21.00
10	16QAM	25	12	19.60	19.80	19.68	21.00
10	16QAM	25	25	19.63	19.80	19.62	21.00
10	16QAM	50	0	19.50	19.76	19.59	21.00
10	64QAM	1	0	19.67	19.77	19.74	21.00
10	64QAM	1	25	19.50	19.69	19.56	21.00
10	64QAM	1	49	19.59	19.73	19.58	21.00
10	64QAM	25	0	18.65	18.71	18.59	20.00
10	64QAM	25	12	18.44	18.74	18.53	20.00
10	64QAM	25	25	18.68	18.90	18.74	20.00
10	64QAM	50	0	18.57	18.82	18.57	20.00
10	256QAM	1	0	16.50	16.63	16.57	18.00
10	256QAM	1	25	16.59	16.86	16.64	18.00
10	256QAM	1	49	16.51	16.68	16.55	18.00
10	256QAM	25	0	16.64	16.80	16.75	18.00
10	256QAM	25	12	16.65	16.63	16.63	18.00
10	256QAM	25	25	16.66	16.70	16.67	18.00
10	256QAM	50	0	16.66	16.78	16.55	18.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	21.82	21.80	21.80	23.00
5	QPSK	1	12	21.37	21.59	21.44	23.00
5	QPSK	1	24	21.50	21.63	21.39	23.00
5	QPSK	12	0	20.85	20.96	20.93	22.00
5	QPSK	12	7	20.50	20.66	20.61	22.00
5	QPSK	12	13	20.45	20.62	20.51	22.00
5	QPSK	25	0	20.71	20.84	20.71	22.00
5	16QAM	1	0	20.70	20.85	20.76	22.00
5	16QAM	1	12	20.44	20.60	20.55	22.00
5	16QAM	1	24	20.69	20.79	20.69	22.00
5	16QAM	12	0	19.70	19.86	19.72	21.00
5	16QAM	12	7	19.62	19.84	19.66	21.00
5	16QAM	12	13	19.56	19.72	19.68	21.00
5	16QAM	25	0	19.60	19.68	19.70	21.00
5	64QAM	1	0	19.65	19.78	19.75	21.00
5	64QAM	1	12	19.49	19.70	19.47	21.00
5	64QAM	1	24	19.54	19.78	19.64	21.00
5	64QAM	12	0	18.64	18.73	18.65	20.00
5	64QAM	12	7	18.50	18.65	18.60	20.00
5	64QAM	12	13	18.75	18.88	18.64	20.00
5	64QAM	25	0	18.58	18.80	18.67	20.00
5	256QAM	1	0	16.44	16.70	16.54	18.00
5	256QAM	1	12	16.61	16.86	16.72	18.00
5	256QAM	1	24	16.54	16.73	16.61	18.00
5	256QAM	12	0	16.75	16.79	16.77	18.00



5	256QAM	12	7	16.66	16.70	16.63	18.00
5	256QAM	12	13	16.62	16.69	16.74	18.00
5	256QAM	25	0	16.64	16.70	16.57	18.00

【LTE Band 7_Ant 4_DSI 3】

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	21.05	21.08	21.06	22.20
20	QPSK	1	49	20.86	20.96	20.88	22.20
20	QPSK	1	99	20.82	20.86	20.81	22.20
20	QPSK	50	0	20.92	20.98	20.96	22.00
20	QPSK	50	24	20.55	20.75	20.63	22.00
20	QPSK	50	50	20.59	20.74	20.60	22.00
20	QPSK	100	0	20.78	20.94	20.85	22.00
20	16QAM	1	0	20.73	20.90	20.82	22.00
20	16QAM	1	49	20.55	20.75	20.59	22.00
20	16QAM	1	99	20.73	20.87	20.77	22.00
20	16QAM	50	0	19.80	19.92	19.77	21.00
20	16QAM	50	24	19.71	19.90	19.78	21.00
20	16QAM	50	50	19.69	19.87	19.76	21.00
20	16QAM	100	0	19.65	19.82	19.72	21.00
20	64QAM	1	0	19.70	19.92	19.86	21.00
20	64QAM	1	49	19.60	19.76	19.62	21.00
20	64QAM	1	99	19.63	19.85	19.72	21.00
20	64QAM	50	0	18.66	18.82	18.71	20.00
20	64QAM	50	24	18.55	18.77	18.63	20.00
20	64QAM	50	50	18.78	18.95	18.79	20.00
20	64QAM	100	0	18.71	18.85	18.71	20.00
20	256QAM	1	0	16.57	16.73	16.67	18.00
20	256QAM	1	49	16.72	16.89	16.78	18.00
20	256QAM	1	99	16.56	16.77	16.68	18.00
20	256QAM	50	0	16.77	16.93	16.87	18.00
20	256QAM	50	24	16.68	16.76	16.68	18.00
20	256QAM	50	50	16.71	16.83	16.77	18.00
20	256QAM	100	0	16.68	16.80	16.68	18.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.94	20.98	20.92	22.20
15	QPSK	1	37	20.83	20.90	20.77	22.20
15	QPSK	1	74	20.75	20.81	20.75	22.20
15	QPSK	36	0	20.85	20.87	20.82	22.00
15	QPSK	36	20	20.46	20.63	20.51	22.00
15	QPSK	36	39	20.51	20.71	20.52	22.00
15	QPSK	75	0	20.68	20.84	20.73	22.00
15	16QAM	1	0	20.66	20.88	20.69	22.00
15	16QAM	1	37	20.49	20.68	20.55	22.00
15	16QAM	1	74	20.70	20.80	20.71	22.00
15	16QAM	36	0	19.71	19.89	19.73	21.00
15	16QAM	36	20	19.58	19.78	19.67	21.00
15	16QAM	36	39	19.65	19.84	19.70	21.00
15	16QAM	75	0	19.61	19.68	19.68	21.00
15	64QAM	1	0	19.60	19.81	19.74	21.00
15	64QAM	1	37	19.48	19.63	19.57	21.00
15	64QAM	1	74	19.53	19.76	19.59	21.00
15	64QAM	36	0	18.60	18.74	18.68	20.00
15	64QAM	36	20	18.46	18.73	18.53	20.00
15	64QAM	36	39	18.76	18.93	18.77	20.00
15	64QAM	75	0	18.65	18.75	18.68	20.00
15	256QAM	1	0	16.51	16.69	16.58	18.00
15	256QAM	1	37	16.59	16.77	16.64	18.00
15	256QAM	1	74	16.45	16.65	16.66	18.00
15	256QAM	36	0	16.73	16.80	16.77	18.00
15	256QAM	36	20	16.55	16.65	16.58	18.00
15	256QAM	36	39	16.68	16.78	16.76	18.00
15	256QAM	75	0	16.64	16.65	16.65	18.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.92	20.93	21.04	22.20
10	QPSK	1	25	20.81	20.93	20.86	22.20
10	QPSK	1	49	20.80	20.77	20.66	22.20



10	QPSK	25	0	20.82	20.97	20.82	22.00
10	QPSK	25	12	20.46	20.63	20.48	22.00
10	QPSK	25	25	20.46	20.72	20.57	22.00
10	QPSK	50	0	20.72	20.86	20.71	22.00
10	16QAM	1	0	20.60	20.87	20.73	22.00
10	16QAM	1	25	20.42	20.68	20.55	22.00
10	16QAM	1	49	20.69	20.83	20.74	22.00
10	16QAM	25	0	19.68	19.91	19.66	21.00
10	16QAM	25	12	19.60	19.80	19.68	21.00
10	16QAM	25	25	19.63	19.80	19.62	21.00
10	16QAM	50	0	19.50	19.76	19.59	21.00
10	64QAM	1	0	19.67	19.77	19.74	21.00
10	64QAM	1	25	19.50	19.69	19.56	21.00
10	64QAM	1	49	19.59	19.73	19.58	21.00
10	64QAM	25	0	18.65	18.71	18.59	20.00
10	64QAM	25	12	18.44	18.74	18.53	20.00
10	64QAM	25	25	18.68	18.90	18.74	20.00
10	64QAM	50	0	18.57	18.82	18.57	20.00
10	256QAM	1	0	16.50	16.63	16.57	18.00
10	256QAM	1	25	16.59	16.86	16.64	18.00
10	256QAM	1	49	16.51	16.68	16.55	18.00
10	256QAM	25	0	16.64	16.80	16.75	18.00
10	256QAM	25	12	16.65	16.63	16.63	18.00
10	256QAM	25	25	16.66	16.70	16.67	18.00
10	256QAM	50	0	16.66	16.78	16.55	18.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.93	21.06	21.03	22.20
5	QPSK	1	12	20.72	20.86	20.86	22.20
5	QPSK	1	24	20.72	20.76	20.71	22.20
5	QPSK	12	0	20.89	20.85	20.87	22.00
5	QPSK	12	7	20.50	20.66	20.61	22.00
5	QPSK	12	13	20.45	20.62	20.51	22.00
5	QPSK	25	0	20.71	20.84	20.71	22.00
5	16QAM	1	0	20.70	20.85	20.76	22.00
5	16QAM	1	12	20.44	20.60	20.55	22.00
5	16QAM	1	24	20.69	20.79	20.69	22.00
5	16QAM	12	0	19.70	19.86	19.72	21.00
5	16QAM	12	7	19.62	19.84	19.66	21.00
5	16QAM	12	13	19.56	19.72	19.68	21.00
5	16QAM	25	0	19.60	19.68	19.70	21.00
5	64QAM	1	0	19.65	19.78	19.75	21.00
5	64QAM	1	12	19.49	19.70	19.47	21.00
5	64QAM	1	24	19.54	19.78	19.64	21.00
5	64QAM	12	0	18.64	18.73	18.65	20.00
5	64QAM	12	7	18.50	18.65	18.60	20.00
5	64QAM	12	13	18.75	18.88	18.64	20.00
5	64QAM	25	0	18.58	18.80	18.67	20.00
5	256QAM	1	0	16.44	16.70	16.54	18.00
5	256QAM	1	12	16.61	16.86	16.72	18.00
5	256QAM	1	24	16.54	16.73	16.61	18.00
5	256QAM	12	0	16.75	16.79	16.77	18.00
5	256QAM	12	7	16.66	16.70	16.63	18.00
5	256QAM	12	13	16.62	16.69	16.74	18.00
5	256QAM	25	0	16.64	16.70	16.57	18.00

【LTE Band 7_Ant 4_DSI 4】

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	21.86	21.95	21.92	23.00
20	QPSK	1	49	21.45	21.69	21.53	23.00
20	QPSK	1	99	21.60	21.71	21.54	23.00
20	QPSK	50	0	20.92	20.98	20.96	22.00
20	QPSK	50	24	20.55	20.75	20.63	22.00
20	QPSK	50	50	20.59	20.74	20.60	22.00
20	QPSK	100	0	20.78	20.94	20.85	22.00
20	16QAM	1	0	20.73	20.90	20.82	22.00
20	16QAM	1	49	20.55	20.75	20.59	22.00
20	16QAM	1	99	20.73	20.87	20.77	22.00
20	16QAM	50	0	19.80	19.92	19.77	21.00



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20	16QAM	50	24	19.71	19.90	19.78	21.00
20	16QAM	50	50	19.69	19.87	19.76	21.00
20	16QAM	100	0	19.65	19.82	19.72	21.00
20	64QAM	1	0	19.70	19.92	19.86	21.00
20	64QAM	1	49	19.60	19.76	19.62	21.00
20	64QAM	1	99	19.63	19.85	19.72	21.00
20	64QAM	50	0	18.66	18.82	18.71	20.00
20	64QAM	50	24	18.55	18.77	18.63	20.00
20	64QAM	50	50	18.78	18.95	18.79	20.00
20	64QAM	100	0	18.71	18.85	18.71	20.00
20	256QAM	1	0	16.57	16.73	16.67	18.00
20	256QAM	1	49	16.72	16.89	16.78	18.00
20	256QAM	1	99	16.56	16.77	16.68	18.00
20	256QAM	50	0	16.77	16.93	16.87	18.00
20	256QAM	50	24	16.68	16.76	16.68	18.00
20	256QAM	50	50	16.71	16.83	16.77	18.00
20	256QAM	100	0	16.68	16.80	16.68	18.00
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	21.74	21.90	21.91	23.00
15	QPSK	1	37	21.40	21.57	21.40	23.00
15	QPSK	1	74	21.52	21.58	21.48	23.00
15	QPSK	36	0	20.85	20.87	20.82	22.00
15	QPSK	36	20	20.46	20.63	20.51	22.00
15	QPSK	36	39	20.51	20.71	20.52	22.00
15	QPSK	75	0	20.68	20.84	20.73	22.00
15	16QAM	1	0	20.66	20.88	20.69	22.00
15	16QAM	1	37	20.49	20.68	20.55	22.00
15	16QAM	1	74	20.70	20.80	20.71	22.00
15	16QAM	36	0	19.71	19.89	19.73	21.00
15	16QAM	36	20	19.58	19.78	19.67	21.00
15	16QAM	36	39	19.65	19.84	19.70	21.00
15	16QAM	75	0	19.61	19.68	19.68	21.00
15	64QAM	1	0	19.60	19.81	19.74	21.00
15	64QAM	1	37	19.48	19.63	19.57	21.00
15	64QAM	1	74	19.53	19.76	19.59	21.00
15	64QAM	36	0	18.60	18.74	18.68	20.00
15	64QAM	36	20	18.46	18.73	18.53	20.00
15	64QAM	36	39	18.76	18.93	18.77	20.00
15	64QAM	75	0	18.65	18.75	18.68	20.00
15	256QAM	1	0	16.51	16.69	16.58	18.00
15	256QAM	1	37	16.59	16.77	16.64	18.00
15	256QAM	1	74	16.45	16.65	16.66	18.00
15	256QAM	36	0	16.73	16.80	16.77	18.00
15	256QAM	36	20	16.55	16.65	16.58	18.00
15	256QAM	36	39	16.68	16.78	16.76	18.00
15	256QAM	75	0	16.64	16.65	16.65	18.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	21.73	21.84	21.90	23.00
10	QPSK	1	25	21.44	21.62	21.40	23.00
10	QPSK	1	49	21.58	21.65	21.41	23.00
10	QPSK	25	0	20.82	20.97	20.82	22.00
10	QPSK	25	12	20.46	20.63	20.48	22.00
10	QPSK	25	25	20.46	20.72	20.57	22.00
10	QPSK	50	0	20.72	20.86	20.71	22.00
10	16QAM	1	0	20.60	20.87	20.73	22.00
10	16QAM	1	25	20.42	20.68	20.55	22.00
10	16QAM	1	49	20.69	20.83	20.74	22.00
10	16QAM	25	0	19.68	19.91	19.66	21.00
10	16QAM	25	12	19.60	19.80	19.68	21.00
10	16QAM	25	25	19.63	19.80	19.62	21.00
10	16QAM	50	0	19.50	19.76	19.59	21.00
10	64QAM	1	0	19.67	19.77	19.74	21.00
10	64QAM	1	25	19.50	19.69	19.56	21.00
10	64QAM	1	49	19.59	19.73	19.58	21.00
10	64QAM	25	0	18.65	18.71	18.59	20.00
10	64QAM	25	12	18.44	18.74	18.53	20.00
10	64QAM	25	25	18.68	18.90	18.74	20.00
10	64QAM	50	0	18.57	18.82	18.57	20.00
10	256QAM	1	0	16.50	16.63	16.57	18.00
10	256QAM	1	25	16.59	16.86	16.64	18.00
10	256QAM	1	49	16.51	16.68	16.55	18.00
10	256QAM	25	0	16.64	16.80	16.75	18.00
10	256QAM	25	12	16.65	16.63	16.63	18.00
10	256QAM	25	25	16.66	16.70	16.67	18.00
10	256QAM	50	0	16.66	16.78	16.55	18.00
Channel				20775	21100	21425	Tune-up limit



Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	21.82	21.80	21.80	23.00
5	QPSK	1	12	21.37	21.59	21.44	23.00
5	QPSK	1	24	21.50	21.63	21.39	23.00
5	QPSK	12	0	20.85	20.96	20.93	22.00
5	QPSK	12	7	20.50	20.66	20.61	22.00
5	QPSK	12	13	20.45	20.62	20.51	22.00
5	QPSK	25	0	20.71	20.84	20.71	22.00
5	16QAM	1	0	20.70	20.85	20.76	22.00
5	16QAM	1	12	20.44	20.60	20.55	22.00
5	16QAM	1	24	20.69	20.79	20.69	22.00
5	16QAM	12	0	19.70	19.86	19.72	21.00
5	16QAM	12	7	19.62	19.84	19.66	21.00
5	16QAM	12	13	19.56	19.72	19.68	21.00
5	16QAM	25	0	19.60	19.68	19.70	21.00
5	64QAM	1	0	19.65	19.78	19.75	21.00
5	64QAM	1	12	19.49	19.70	19.47	21.00
5	64QAM	1	24	19.54	19.78	19.64	21.00
5	64QAM	12	0	18.64	18.73	18.65	20.00
5	64QAM	12	7	18.50	18.65	18.60	20.00
5	64QAM	12	13	18.75	18.88	18.64	20.00
5	64QAM	25	0	18.58	18.80	18.67	20.00
5	256QAM	1	0	16.44	16.70	16.54	18.00
5	256QAM	1	12	16.61	16.86	16.72	18.00
5	256QAM	1	24	16.54	16.73	16.61	18.00
5	256QAM	12	0	16.75	16.79	16.77	18.00
5	256QAM	12	7	16.66	16.70	16.63	18.00
5	256QAM	12	13	16.62	16.69	16.74	18.00
5	256QAM	25	0	16.64	16.70	16.57	18.00

【LTE Band 7_Ant 4_DSI 6】

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	21.86	21.95	21.92	23.00
20	QPSK	1	49	21.45	21.69	21.53	23.00
20	QPSK	1	99	21.60	21.71	21.54	23.00
20	QPSK	50	0	20.92	20.98	20.96	22.00
20	QPSK	50	24	20.55	20.75	20.63	22.00
20	QPSK	50	50	20.59	20.74	20.60	22.00
20	QPSK	100	0	20.78	20.94	20.85	22.00
20	16QAM	1	0	20.73	20.90	20.82	22.00
20	16QAM	1	49	20.55	20.75	20.59	22.00
20	16QAM	1	99	20.73	20.87	20.77	22.00
20	16QAM	50	0	19.80	19.92	19.77	21.00
20	16QAM	50	24	19.71	19.90	19.78	21.00
20	16QAM	50	50	19.69	19.87	19.76	21.00
20	16QAM	100	0	19.65	19.82	19.72	21.00
20	64QAM	1	0	19.70	19.92	19.86	21.00
20	64QAM	1	49	19.60	19.76	19.62	21.00
20	64QAM	1	99	19.63	19.85	19.72	21.00
20	64QAM	50	0	18.66	18.82	18.71	20.00
20	64QAM	50	24	18.55	18.77	18.63	20.00
20	64QAM	50	50	18.78	18.95	18.79	20.00
20	64QAM	100	0	18.71	18.85	18.71	20.00
20	256QAM	1	0	16.57	16.73	16.67	18.00
20	256QAM	1	49	16.72	16.89	16.78	18.00
20	256QAM	1	99	16.56	16.77	16.68	18.00
20	256QAM	50	0	16.77	16.93	16.87	18.00
20	256QAM	50	24	16.68	16.76	16.68	18.00
20	256QAM	50	50	16.71	16.83	16.77	18.00
20	256QAM	100	0	16.68	16.80	16.68	18.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.74	21.90	21.91	23.00
15	QPSK	1	37	21.40	21.57	21.40	23.00
15	QPSK	1	74	21.52	21.58	21.48	23.00
15	QPSK	36	0	20.85	20.87	20.82	22.00
15	QPSK	36	20	20.46	20.63	20.51	22.00
15	QPSK	36	39	20.51	20.71	20.52	22.00
15	QPSK	75	0	20.68	20.84	20.73	22.00



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15	16QAM	1	0	20.66	20.88	20.69	22.00
15	16QAM	1	37	20.49	20.68	20.55	22.00
15	16QAM	1	74	20.70	20.80	20.71	22.00
15	16QAM	36	0	19.71	19.89	19.73	21.00
15	16QAM	36	20	19.58	19.78	19.67	21.00
15	16QAM	36	39	19.65	19.84	19.70	21.00
15	16QAM	75	0	19.61	19.68	19.68	21.00
15	64QAM	1	0	19.60	19.81	19.74	21.00
15	64QAM	1	37	19.48	19.63	19.57	21.00
15	64QAM	1	74	19.53	19.76	19.59	21.00
15	64QAM	36	0	18.60	18.74	18.68	20.00
15	64QAM	36	20	18.46	18.73	18.53	20.00
15	64QAM	36	39	18.76	18.93	18.77	20.00
15	64QAM	75	0	18.65	18.75	18.68	20.00
15	256QAM	1	0	16.51	16.69	16.58	18.00
15	256QAM	1	37	16.59	16.77	16.64	18.00
15	256QAM	1	74	16.45	16.65	16.66	18.00
15	256QAM	36	0	16.73	16.80	16.77	18.00
15	256QAM	36	20	16.55	16.65	16.58	18.00
15	256QAM	36	39	16.68	16.78	16.76	18.00
15	256QAM	75	0	16.64	16.65	16.65	18.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	21.73	21.84	21.90	23.00
10	QPSK	1	25	21.44	21.62	21.40	23.00
10	QPSK	1	49	21.58	21.65	21.41	23.00
10	QPSK	25	0	20.82	20.97	20.82	22.00
10	QPSK	25	12	20.46	20.63	20.48	22.00
10	QPSK	25	25	20.46	20.72	20.57	22.00
10	QPSK	50	0	20.72	20.86	20.71	22.00
10	16QAM	1	0	20.60	20.87	20.73	22.00
10	16QAM	1	25	20.42	20.68	20.55	22.00
10	16QAM	1	49	20.69	20.83	20.74	22.00
10	16QAM	25	0	19.68	19.91	19.66	21.00
10	16QAM	25	12	19.60	19.80	19.68	21.00
10	16QAM	25	25	19.63	19.80	19.62	21.00
10	16QAM	50	0	19.50	19.76	19.59	21.00
10	64QAM	1	0	19.67	19.77	19.74	21.00
10	64QAM	1	25	19.50	19.69	19.56	21.00
10	64QAM	1	49	19.59	19.73	19.58	21.00
10	64QAM	25	0	18.65	18.71	18.59	20.00
10	64QAM	25	12	18.44	18.74	18.53	20.00
10	64QAM	25	25	18.68	18.90	18.74	20.00
10	64QAM	50	0	18.57	18.82	18.57	20.00
10	256QAM	1	0	16.50	16.63	16.57	18.00
10	256QAM	1	25	16.59	16.86	16.64	18.00
10	256QAM	1	49	16.51	16.68	16.55	18.00
10	256QAM	25	0	16.64	16.80	16.75	18.00
10	256QAM	25	12	16.65	16.63	16.63	18.00
10	256QAM	25	25	16.66	16.70	16.67	18.00
10	256QAM	50	0	16.66	16.78	16.55	18.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	21.82	21.80	21.80	23.00
5	QPSK	1	12	21.37	21.59	21.44	23.00
5	QPSK	1	24	21.50	21.63	21.39	23.00
5	QPSK	12	0	20.85	20.96	20.93	22.00
5	QPSK	12	7	20.50	20.66	20.61	22.00
5	QPSK	12	13	20.45	20.62	20.51	22.00
5	QPSK	25	0	20.71	20.84	20.71	22.00
5	16QAM	1	0	20.70	20.85	20.76	22.00
5	16QAM	1	12	20.44	20.60	20.55	22.00
5	16QAM	1	24	20.69	20.79	20.69	22.00
5	16QAM	12	0	19.70	19.86	19.72	21.00
5	16QAM	12	7	19.62	19.84	19.66	21.00
5	16QAM	12	13	19.56	19.72	19.68	21.00
5	16QAM	25	0	19.60	19.68	19.70	21.00
5	64QAM	1	0	19.65	19.78	19.75	21.00
5	64QAM	1	12	19.49	19.70	19.47	21.00
5	64QAM	1	24	19.54	19.78	19.64	21.00
5	64QAM	12	0	18.64	18.73	18.65	20.00
5	64QAM	12	7	18.50	18.65	18.60	20.00
5	64QAM	12	13	18.75	18.88	18.64	20.00
5	64QAM	25	0	18.58	18.80	18.67	20.00
5	256QAM	1	0	16.44	16.70	16.54	18.00
5	256QAM	1	12	16.61	16.86	16.72	18.00
5	256QAM	1	24	16.54	16.73	16.61	18.00
5	256QAM	12	0	16.75	16.79	16.77	18.00



5	256QAM	12	7	16.66	16.70	16.63	18.00
5	256QAM	12	13	16.62	16.69	16.74	18.00
5	256QAM	25	0	16.64	16.70	16.57	18.00

【LTE Band 7_Ant 4_DSI 7】

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	20.49	20.51	20.46	21.80
20	QPSK	1	49	20.24	20.33	20.27	21.80
20	QPSK	1	99	20.34	20.42	20.33	21.80
20	QPSK	50	0	20.41	20.43	20.38	21.80
20	QPSK	50	24	20.16	20.22	20.10	21.80
20	QPSK	50	50	20.12	20.24	20.12	21.80
20	QPSK	100	0	20.33	20.38	20.35	21.80
20	16QAM	1	0	20.22	20.37	20.24	21.80
20	16QAM	1	49	20.10	20.21	20.10	21.80
20	16QAM	1	99	20.28	20.37	20.18	21.80
20	16QAM	50	0	19.80	19.92	19.77	21.00
20	16QAM	50	24	19.71	19.90	19.78	21.00
20	16QAM	50	50	19.69	19.87	19.76	21.00
20	16QAM	100	0	19.65	19.82	19.72	21.00
20	64QAM	1	0	19.70	19.92	19.86	21.00
20	64QAM	1	49	19.60	19.76	19.62	21.00
20	64QAM	1	99	19.63	19.85	19.72	21.00
20	64QAM	50	0	18.66	18.82	18.71	20.00
20	64QAM	50	24	18.55	18.77	18.63	20.00
20	64QAM	50	50	18.78	18.95	18.79	20.00
20	64QAM	100	0	18.71	18.85	18.71	20.00
20	256QAM	1	0	16.57	16.73	16.67	18.00
20	256QAM	1	49	16.72	16.89	16.78	18.00
20	256QAM	1	99	16.56	16.77	16.68	18.00
20	256QAM	50	0	16.77	16.93	16.87	18.00
20	256QAM	50	24	16.68	16.76	16.68	18.00
20	256QAM	50	50	16.71	16.83	16.77	18.00
20	256QAM	100	0	16.68	16.80	16.68	18.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.43	20.48	20.39	21.80
15	QPSK	1	37	20.15	20.23	20.17	21.80
15	QPSK	1	74	20.30	20.40	20.30	21.80
15	QPSK	36	0	20.32	20.31	20.32	21.80
15	QPSK	36	20	20.01	20.10	20.00	21.80
15	QPSK	36	39	20.01	20.22	20.00	21.80
15	QPSK	75	0	20.20	20.26	20.34	21.80
15	16QAM	1	0	20.16	20.35	20.16	21.80
15	16QAM	1	37	20.09	20.09	20.07	21.80
15	16QAM	1	74	20.22	20.32	20.11	21.80
15	16QAM	36	0	19.78	19.82	19.63	21.00
15	16QAM	36	20	19.64	19.85	19.63	21.00
15	16QAM	36	39	19.64	19.76	19.65	21.00
15	16QAM	75	0	19.52	19.76	19.63	21.00
15	64QAM	1	0	19.67	19.80	19.76	21.00
15	64QAM	1	37	19.59	19.62	19.50	21.00
15	64QAM	1	74	19.54	19.71	19.59	21.00
15	64QAM	36	0	18.52	18.67	18.57	20.00
15	64QAM	36	20	18.43	18.68	18.54	20.00
15	64QAM	36	39	18.73	18.84	18.72	20.00
15	64QAM	75	0	18.60	18.80	18.63	20.00
15	256QAM	1	0	16.47	16.62	16.52	18.00
15	256QAM	1	37	16.57	16.84	16.70	18.00
15	256QAM	1	74	16.52	16.71	16.63	18.00
15	256QAM	36	0	16.73	16.89	16.83	18.00
15	256QAM	36	20	16.58	16.63	16.53	18.00
15	256QAM	36	39	16.65	16.79	16.72	18.00
15	256QAM	75	0	16.58	16.77	16.57	18.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.41	20.37	20.38	21.80
10	QPSK	1	25	20.13	20.22	20.24	21.80
10	QPSK	1	49	20.22	20.27	20.22	21.80



10	QPSK	25	0	20.31	20.39	20.26	21.80
10	QPSK	25	12	20.10	20.20	20.04	21.80
10	QPSK	25	25	19.98	20.18	20.07	21.80
10	QPSK	50	0	20.25	20.35	20.27	21.80
10	16QAM	1	0	20.11	20.30	20.14	21.80
10	16QAM	1	25	20.07	20.19	19.99	21.80
10	16QAM	1	49	20.23	20.31	20.16	21.80
10	16QAM	25	0	19.72	19.80	19.64	21.00
10	16QAM	25	12	19.60	19.77	19.70	21.00
10	16QAM	25	25	19.61	19.78	19.62	21.00
10	16QAM	50	0	19.53	19.72	19.70	21.00
10	64QAM	1	0	19.66	19.77	19.76	21.00
10	64QAM	1	25	19.59	19.71	19.49	21.00
10	64QAM	1	49	19.56	19.83	19.61	21.00
10	64QAM	25	0	18.52	18.73	18.56	20.00
10	64QAM	25	12	18.52	18.75	18.50	20.00
10	64QAM	25	25	18.64	18.92	18.66	20.00
10	64QAM	50	0	18.65	18.77	18.65	20.00
10	256QAM	1	0	16.55	16.63	16.63	18.00
10	256QAM	1	25	16.69	16.79	16.71	18.00
10	256QAM	1	49	16.50	16.71	16.66	18.00
10	256QAM	25	0	16.71	16.83	16.83	18.00
10	256QAM	25	12	16.66	16.70	16.54	18.00
10	256QAM	25	25	16.58	16.78	16.73	18.00
10	256QAM	50	0	16.59	16.74	16.67	18.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.48	20.50	20.41	21.80
5	QPSK	1	12	20.18	20.18	20.26	21.80
5	QPSK	1	24	20.22	20.37	20.28	21.80
5	QPSK	12	0	20.34	20.35	20.28	21.80
5	QPSK	12	7	20.15	20.16	20.04	21.80
5	QPSK	12	13	20.06	20.11	19.99	21.80
5	QPSK	25	0	20.26	20.35	20.22	21.80
5	16QAM	1	0	20.15	20.29	20.21	21.80
5	16QAM	1	12	20.09	20.09	20.00	21.80
5	16QAM	1	24	20.13	20.22	20.17	21.80
5	16QAM	12	0	19.66	19.86	19.69	21.00
5	16QAM	12	7	19.61	19.87	19.68	21.00
5	16QAM	12	13	19.60	19.80	19.69	21.00
5	16QAM	25	0	19.63	19.68	19.70	21.00
5	64QAM	1	0	19.55	19.89	19.79	21.00
5	64QAM	1	12	19.54	19.72	19.61	21.00
5	64QAM	1	24	19.59	19.78	19.67	21.00
5	64QAM	12	0	18.59	18.72	18.57	20.00
5	64QAM	12	7	18.40	18.66	18.54	20.00
5	64QAM	12	13	18.67	18.82	18.71	20.00
5	64QAM	25	0	18.65	18.75	18.58	20.00
5	256QAM	1	0	16.47	16.72	16.59	18.00
5	256QAM	1	12	16.57	16.76	16.71	18.00
5	256QAM	1	24	16.44	16.65	16.59	18.00
5	256QAM	12	0	16.67	16.90	16.86	18.00
5	256QAM	12	7	16.54	16.71	16.58	18.00
5	256QAM	12	13	16.69	16.68	16.74	18.00
5	256QAM	25	0	16.56	16.65	16.63	18.00

【LTE Band 7_Ant 4_DSI 12】

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	13.01	13.04	13.02	14.20
20	QPSK	1	49	12.94	13.00	12.89	14.20
20	QPSK	1	99	12.98	12.93	12.96	14.20
20	QPSK	50	0	12.93	13.02	13.00	14.20
20	QPSK	50	24	12.91	12.93	12.92	14.20
20	QPSK	50	50	12.92	12.92	12.99	14.20
20	QPSK	100	0	12.95	12.91	12.98	14.20
20	16QAM	1	0	12.99	12.94	12.98	14.20
20	16QAM	1	49	12.93	12.92	12.94	14.20
20	16QAM	1	99	12.99	12.93	12.93	14.20
20	16QAM	50	0	12.94	12.99	12.95	14.20



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20	16QAM	50	24	12.94	12.99	12.91	14.20
20	16QAM	50	50	12.90	13.00	12.91	14.20
20	16QAM	100	0	12.98	12.97	12.96	14.20
20	64QAM	1	0	12.93	12.98	12.93	14.20
20	64QAM	1	49	13.00	12.89	13.01	14.20
20	64QAM	1	99	12.95	12.91	13.00	14.20
20	64QAM	50	0	12.97	12.90	12.92	14.20
20	64QAM	50	24	12.93	13.00	12.93	14.20
20	64QAM	50	50	12.90	12.92	12.97	14.20
20	64QAM	100	0	12.90	13.00	12.94	14.20
20	256QAM	1	0	12.99	12.97	12.95	14.20
20	256QAM	1	49	12.97	12.92	12.91	14.20
20	256QAM	1	99	12.97	12.93	12.94	14.20
20	256QAM	50	0	12.91	12.94	12.92	14.20
20	256QAM	50	24	12.94	13.00	12.89	14.20
20	256QAM	50	50	12.98	12.93	12.96	14.20
20	256QAM	100	0	12.93	12.94	13.00	14.20
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	12.91	12.98	12.94	14.20
15	QPSK	1	37	12.80	12.89	12.80	14.20
15	QPSK	1	74	12.93	12.82	12.85	14.20
15	QPSK	36	0	12.90	12.98	12.89	14.20
15	QPSK	36	20	12.82	12.90	12.88	14.20
15	QPSK	36	39	12.88	12.87	12.87	14.20
15	QPSK	75	0	12.87	12.85	12.85	14.20
15	16QAM	1	0	12.89	12.82	12.96	14.20
15	16QAM	1	37	12.78	12.88	12.82	14.20
15	16QAM	1	74	12.91	12.81	12.91	14.20
15	16QAM	36	0	12.83	12.88	12.92	14.20
15	16QAM	36	20	12.82	12.86	12.78	14.20
15	16QAM	36	39	12.85	12.94	12.83	14.20
15	16QAM	75	0	12.91	12.94	12.85	14.20
15	64QAM	1	0	12.86	12.85	12.82	14.20
15	64QAM	1	37	12.89	12.77	12.96	14.20
15	64QAM	1	74	12.89	12.83	12.98	14.20
15	64QAM	36	0	12.83	12.77	12.87	14.20
15	64QAM	36	20	12.89	12.87	12.84	14.20
15	64QAM	36	39	12.76	12.90	12.88	14.20
15	64QAM	75	0	12.82	12.93	12.81	14.20
15	256QAM	1	0	12.94	12.83	12.91	14.20
15	256QAM	1	37	12.83	12.82	12.81	14.20
15	256QAM	1	74	12.92	12.84	12.93	14.20
15	256QAM	36	0	12.80	12.93	12.82	14.20
15	256QAM	36	20	12.82	12.86	12.82	14.20
15	256QAM	36	39	12.95	12.90	12.94	14.20
15	256QAM	75	0	12.87	12.90	12.95	14.20
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	12.91	13.02	12.96	14.20
10	QPSK	1	25	12.90	12.85	12.83	14.20
10	QPSK	1	49	12.95	12.88	12.92	14.20
10	QPSK	25	0	12.81	12.99	12.95	14.20
10	QPSK	25	12	12.77	12.84	12.91	14.20
10	QPSK	25	25	12.87	12.85	12.89	14.20
10	QPSK	50	0	12.92	12.87	12.86	14.20
10	16QAM	1	0	12.92	12.90	12.95	14.20
10	16QAM	1	25	12.91	12.87	12.84	14.20
10	16QAM	1	49	12.90	12.85	12.91	14.20
10	16QAM	25	0	12.80	12.93	12.90	14.20
10	16QAM	25	12	12.90	12.92	12.86	14.20
10	16QAM	25	25	12.85	12.87	12.79	14.20
10	16QAM	50	0	12.87	12.94	12.84	14.20
10	64QAM	1	0	12.80	12.84	12.86	14.20
10	64QAM	1	25	12.93	12.77	12.88	14.20
10	64QAM	1	49	12.86	12.87	12.97	14.20
10	64QAM	25	0	12.94	12.80	12.91	14.20
10	64QAM	25	12	12.92	12.89	12.86	14.20
10	64QAM	25	25	12.79	12.78	12.84	14.20
10	64QAM	50	0	12.78	12.98	12.87	14.20
10	256QAM	1	0	12.89	12.88	12.91	14.20
10	256QAM	1	25	12.88	12.87	12.81	14.20
10	256QAM	1	49	12.89	12.80	12.90	14.20
10	256QAM	25	0	12.89	12.81	12.89	14.20
10	256QAM	25	12	12.86	12.89	12.77	14.20
10	256QAM	25	25	12.86	12.90	12.89	14.20
10	256QAM	50	0	12.90	12.84	12.91	14.20
Channel				20775	21100	21425	Tune-up limit



Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	12.89	12.99	12.90	14.20
5	QPSK	1	12	12.87	12.94	12.83	14.20
5	QPSK	1	24	12.96	12.91	12.90	14.20
5	QPSK	12	0	12.85	12.91	12.88	14.20
5	QPSK	12	7	12.86	12.91	12.90	14.20
5	QPSK	12	13	12.88	12.81	12.88	14.20
5	QPSK	25	0	12.91	12.86	12.92	14.20
5	16QAM	1	0	12.91	12.81	12.92	14.20
5	16QAM	1	12	12.87	12.78	12.80	14.20
5	16QAM	1	24	12.84	12.91	12.80	14.20
5	16QAM	12	0	12.83	12.95	12.85	14.20
5	16QAM	12	7	12.82	12.96	12.83	14.20
5	16QAM	12	13	12.76	12.97	12.77	14.20
5	16QAM	25	0	12.91	12.87	12.90	14.20
5	64QAM	1	0	12.83	12.90	12.90	14.20
5	64QAM	1	12	12.98	12.75	12.97	14.20
5	64QAM	1	24	12.93	12.89	12.95	14.20
5	64QAM	12	0	12.90	12.87	12.79	14.20
5	64QAM	12	7	12.88	12.98	12.79	14.20
5	64QAM	12	13	12.85	12.84	12.85	14.20
5	64QAM	25	0	12.85	12.98	12.91	14.20
5	256QAM	1	0	12.93	12.85	12.86	14.20
5	256QAM	1	12	12.95	12.81	12.78	14.20
5	256QAM	1	24	12.85	12.78	12.80	14.20
5	256QAM	12	0	12.78	12.82	12.85	14.20
5	256QAM	12	7	12.82	12.90	12.78	14.20
5	256QAM	12	13	12.85	12.79	12.95	14.20
5	256QAM	25	0	12.85	12.81	12.90	14.20

【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	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	22.99	23.04	22.93	24.00
10	QPSK	1	25	22.88	23.03	22.88	24.00
10	QPSK	1	49	22.71	22.98	22.75	24.00
10	QPSK	25	0	22.02	22.06	21.98	23.00
10	QPSK	25	12	21.79	21.97	21.75	23.00
10	QPSK	25	25	21.73	21.99	21.78	23.00
10	QPSK	50	0	21.80	21.96	21.80	23.00
10	16QAM	1	0	21.91	22.15	21.96	23.00
10	16QAM	1	25	21.76	22.01	21.80	23.00
10	16QAM	1	49	21.89	22.14	21.92	23.00
10	16QAM	25	0	20.78	20.97	20.84	22.00
10	16QAM	25	12	20.81	20.96	20.76	22.00
10	16QAM	25	25	20.80	20.95	20.76	22.00
10	16QAM	50	0	20.80	21.00	20.78	22.00
10	64QAM	1	0	20.82	21.07	20.86	22.00
10	64QAM	1	25	20.91	21.13	21.01	22.00
10	64QAM	1	49	20.93	21.19	20.97	22.00
10	64QAM	25	0	19.82	19.95	19.77	21.00
10	64QAM	25	12	19.80	20.02	19.82	21.00
10	64QAM	25	25	19.88	20.12	19.96	21.00
10	64QAM	50	0	19.70	19.94	19.82	21.00
10	256QAM	1	0	17.82	18.05	17.85	19.00
10	256QAM	1	25	17.98	18.13	17.93	19.00
10	256QAM	1	49	17.74	17.97	17.86	19.00
10	256QAM	25	0	17.81	17.97	17.87	19.00
10	256QAM	25	12	17.94	18.07	17.85	19.00
10	256QAM	25	25	17.89	18.07	17.87	19.00
10	256QAM	50	0	17.84	17.99	17.81	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.94	22.92	22.81	24.00
5	QPSK	1	12	22.78	22.95	22.84	24.00
5	QPSK	1	24	22.69	22.88	22.61	24.00
5	QPSK	12	0	21.93	22.05	21.93	23.00
5	QPSK	12	7	21.68	21.91	21.70	23.00
5	QPSK	12	13	21.61	21.88	21.64	23.00
5	QPSK	25	0	21.76	21.86	21.66	23.00



5	16QAM	1	0	21.87	22.12	21.88	23.00
5	16QAM	1	12	21.75	21.91	21.78	23.00
5	16QAM	1	24	21.85	22.13	21.90	23.00
5	16QAM	12	0	20.72	20.90	20.72	22.00
5	16QAM	12	7	20.77	20.85	20.65	22.00
5	16QAM	12	13	20.73	20.90	20.67	22.00
5	16QAM	25	0	20.71	20.86	20.75	22.00
5	64QAM	1	0	20.79	20.98	20.83	22.00
5	64QAM	1	12	20.82	21.11	20.89	22.00
5	64QAM	1	24	20.86	21.08	20.87	22.00
5	64QAM	12	0	19.74	19.92	19.72	21.00
5	64QAM	12	7	19.66	19.97	19.77	21.00
5	64QAM	12	13	19.83	20.07	19.85	21.00
5	64QAM	25	0	19.65	19.88	19.71	21.00
5	256QAM	1	0	17.80	17.96	17.76	19.00
5	256QAM	1	12	17.94	18.07	17.86	19.00
5	256QAM	1	24	17.63	17.86	17.81	19.00
5	256QAM	12	0	17.71	17.96	17.73	19.00
5	256QAM	12	7	17.82	17.92	17.79	19.00
5	256QAM	12	13	17.82	18.06	17.81	19.00
5	256QAM	25	0	17.73	17.93	17.80	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	22.94	22.91	22.79	24.00
3	QPSK	1	8	22.75	22.95	22.74	24.00
3	QPSK	1	14	22.59	22.87	22.63	24.00
3	QPSK	8	0	21.89	21.92	21.83	23.00
3	QPSK	8	4	21.75	21.84	21.63	23.00
3	QPSK	8	7	21.64	21.93	21.67	23.00
3	QPSK	15	0	21.78	21.87	21.77	23.00
3	16QAM	1	0	21.77	22.09	21.90	23.00
3	16QAM	1	8	21.67	21.89	21.77	23.00
3	16QAM	1	14	21.82	22.04	21.87	23.00
3	16QAM	8	0	20.74	20.91	20.74	22.00
3	16QAM	8	4	20.69	20.84	20.68	22.00
3	16QAM	8	7	20.67	20.83	20.64	22.00
3	16QAM	15	0	20.70	20.86	20.66	22.00
3	64QAM	1	0	20.81	20.95	20.78	22.00
3	64QAM	1	8	20.86	21.03	20.88	22.00
3	64QAM	1	14	20.83	21.15	20.82	22.00
3	64QAM	8	0	19.69	19.89	19.76	21.00
3	64QAM	8	4	19.69	19.97	19.78	21.00
3	64QAM	8	7	19.81	20.07	19.85	21.00
3	64QAM	15	0	19.66	19.79	19.78	21.00
3	256QAM	1	0	17.67	17.91	17.70	19.00
3	256QAM	1	8	17.89	18.10	17.88	19.00
3	256QAM	1	14	17.64	17.82	17.75	19.00
3	256QAM	8	0	17.75	17.88	17.84	19.00
3	256QAM	8	4	17.80	18.01	17.79	19.00
3	256QAM	8	7	17.83	17.96	17.85	19.00
3	256QAM	15	0	17.79	17.91	17.72	19.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	22.86	22.94	22.84	24.00
1.4	QPSK	1	3	22.81	22.91	22.84	24.00
1.4	QPSK	1	5	22.69	22.93	22.61	24.00
1.4	QPSK	3	0	22.94	23.02	22.96	24.00
1.4	QPSK	3	1	22.71	22.91	22.66	24.00
1.4	QPSK	3	3	22.66	22.85	22.73	24.00
1.4	QPSK	6	0	21.77	21.88	21.77	23.00
1.4	16QAM	1	0	21.77	22.03	21.94	23.00
1.4	16QAM	1	3	21.62	21.88	21.75	23.00
1.4	16QAM	1	5	21.84	22.12	21.80	23.00
1.4	16QAM	3	0	21.68	21.90	21.75	23.00
1.4	16QAM	3	1	21.77	21.87	21.70	23.00
1.4	16QAM	3	3	21.66	21.84	21.64	23.00
1.4	16QAM	6	0	20.67	20.89	20.68	22.00
1.4	64QAM	1	0	20.74	20.93	20.75	22.00
1.4	64QAM	1	3	20.89	21.10	20.97	22.00
1.4	64QAM	1	5	20.83	21.17	20.93	22.00
1.4	64QAM	3	0	20.79	20.83	20.63	22.00
1.4	64QAM	3	1	20.69	20.96	20.68	22.00
1.4	64QAM	3	3	20.86	20.99	20.92	22.00
1.4	64QAM	6	0	19.57	19.81	19.78	21.00
1.4	256QAM	1	0	17.73	17.94	17.79	19.00
1.4	256QAM	1	3	17.85	18.08	17.86	19.00
1.4	256QAM	1	5	17.62	17.94	17.83	19.00
1.4	256QAM	3	0	17.66	17.91	17.83	19.00



1.4	256QAM	3	1	17.88	18.02	17.74	19.00
1.4	256QAM	3	3	17.80	18.00	17.85	19.00
1.4	256QAM	6	0	17.71	17.88	17.79	19.00

【LTE Band 12_Ant 0_DSI 2】

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	22.99	23.04	22.93	24.00
10	QPSK	1	25	22.88	23.03	22.88	24.00
10	QPSK	1	49	22.71	22.98	22.75	24.00
10	QPSK	25	0	22.02	22.06	21.98	23.00
10	QPSK	25	12	21.79	21.97	21.75	23.00
10	QPSK	25	25	21.73	21.99	21.78	23.00
10	QPSK	50	0	21.80	21.96	21.80	23.00
10	16QAM	1	0	21.91	22.15	21.96	23.00
10	16QAM	1	25	21.76	22.01	21.80	23.00
10	16QAM	1	49	21.89	22.14	21.92	23.00
10	16QAM	25	0	20.78	20.97	20.84	22.00
10	16QAM	25	12	20.81	20.96	20.76	22.00
10	16QAM	25	25	20.80	20.95	20.76	22.00
10	16QAM	50	0	20.80	21.00	20.78	22.00
10	64QAM	1	0	20.82	21.07	20.86	22.00
10	64QAM	1	25	20.91	21.13	21.01	22.00
10	64QAM	1	49	20.93	21.19	20.97	22.00
10	64QAM	25	0	19.82	19.95	19.77	21.00
10	64QAM	25	12	19.80	20.02	19.82	21.00
10	64QAM	25	25	19.88	20.12	19.96	21.00
10	64QAM	50	0	19.70	19.94	19.82	21.00
10	256QAM	1	0	17.82	18.05	17.85	19.00
10	256QAM	1	25	17.98	18.13	17.93	19.00
10	256QAM	1	49	17.74	17.97	17.86	19.00
10	256QAM	25	0	17.81	17.97	17.87	19.00
10	256QAM	25	12	17.94	18.07	17.85	19.00
10	256QAM	25	25	17.89	18.07	17.87	19.00
10	256QAM	50	0	17.84	17.99	17.81	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.94	22.92	22.81	24.00
5	QPSK	1	12	22.78	22.95	22.84	24.00
5	QPSK	1	24	22.69	22.88	22.61	24.00
5	QPSK	12	0	21.93	22.05	21.93	23.00
5	QPSK	12	7	21.68	21.91	21.70	23.00
5	QPSK	12	13	21.61	21.88	21.64	23.00
5	QPSK	25	0	21.76	21.86	21.66	23.00
5	16QAM	1	0	21.87	22.12	21.88	23.00
5	16QAM	1	12	21.75	21.91	21.78	23.00
5	16QAM	1	24	21.85	22.13	21.90	23.00
5	16QAM	12	0	20.72	20.90	20.72	22.00
5	16QAM	12	7	20.77	20.85	20.65	22.00
5	16QAM	12	13	20.73	20.90	20.67	22.00
5	16QAM	25	0	20.71	20.86	20.75	22.00
5	64QAM	1	0	20.79	20.98	20.83	22.00
5	64QAM	1	12	20.82	21.11	20.89	22.00
5	64QAM	1	24	20.86	21.08	20.87	22.00
5	64QAM	12	0	19.74	19.92	19.72	21.00
5	64QAM	12	7	19.66	19.97	19.77	21.00
5	64QAM	12	13	19.83	20.07	19.85	21.00
5	64QAM	25	0	19.65	19.88	19.71	21.00
5	256QAM	1	0	17.80	17.96	17.76	19.00
5	256QAM	1	12	17.94	18.07	17.86	19.00
5	256QAM	1	24	17.63	17.86	17.81	19.00
5	256QAM	12	0	17.71	17.96	17.73	19.00
5	256QAM	12	7	17.82	17.92	17.79	19.00
5	256QAM	12	13	17.82	18.06	17.81	19.00
5	256QAM	25	0	17.73	17.93	17.80	19.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.94	22.91	22.79	24.00
3	QPSK	1	8	22.75	22.95	22.74	24.00
3	QPSK	1	14	22.59	22.87	22.63	24.00



3	QPSK	8	0	21.89	21.92	21.83	23.00
3	QPSK	8	4	21.75	21.84	21.63	23.00
3	QPSK	8	7	21.64	21.93	21.67	23.00
3	QPSK	15	0	21.78	21.87	21.77	23.00
3	16QAM	1	0	21.77	22.09	21.90	23.00
3	16QAM	1	8	21.67	21.89	21.77	23.00
3	16QAM	1	14	21.82	22.04	21.87	23.00
3	16QAM	8	0	20.74	20.91	20.74	22.00
3	16QAM	8	4	20.69	20.84	20.68	22.00
3	16QAM	8	7	20.67	20.83	20.64	22.00
3	16QAM	15	0	20.70	20.86	20.66	22.00
3	64QAM	1	0	20.81	20.95	20.78	22.00
3	64QAM	1	8	20.86	21.03	20.88	22.00
3	64QAM	1	14	20.83	21.15	20.82	22.00
3	64QAM	8	0	19.69	19.89	19.76	21.00
3	64QAM	8	4	19.69	19.97	19.78	21.00
3	64QAM	8	7	19.81	20.07	19.85	21.00
3	64QAM	15	0	19.66	19.79	19.78	21.00
3	256QAM	1	0	17.67	17.91	17.70	19.00
3	256QAM	1	8	17.89	18.10	17.88	19.00
3	256QAM	1	14	17.64	17.82	17.75	19.00
3	256QAM	8	0	17.75	17.88	17.84	19.00
3	256QAM	8	4	17.80	18.01	17.79	19.00
3	256QAM	8	7	17.83	17.96	17.85	19.00
3	256QAM	15	0	17.79	17.91	17.72	19.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.86	22.94	22.84	24.00
1.4	QPSK	1	3	22.81	22.91	22.84	24.00
1.4	QPSK	1	5	22.69	22.93	22.61	24.00
1.4	QPSK	3	0	22.94	23.02	22.96	24.00
1.4	QPSK	3	1	22.71	22.91	22.66	24.00
1.4	QPSK	3	3	22.66	22.85	22.73	24.00
1.4	QPSK	6	0	21.77	21.88	21.77	23.00
1.4	16QAM	1	0	21.77	22.03	21.94	23.00
1.4	16QAM	1	3	21.62	21.88	21.75	23.00
1.4	16QAM	1	5	21.84	22.12	21.80	23.00
1.4	16QAM	3	0	21.68	21.90	21.75	23.00
1.4	16QAM	3	1	21.77	21.87	21.70	23.00
1.4	16QAM	3	3	21.66	21.84	21.64	23.00
1.4	16QAM	6	0	20.67	20.89	20.68	22.00
1.4	64QAM	1	0	20.74	20.93	20.75	22.00
1.4	64QAM	1	3	20.89	21.10	20.97	22.00
1.4	64QAM	1	5	20.83	21.17	20.93	22.00
1.4	64QAM	3	0	20.79	20.83	20.63	22.00
1.4	64QAM	3	1	20.69	20.96	20.68	22.00
1.4	64QAM	3	3	20.86	20.99	20.92	22.00
1.4	64QAM	6	0	19.57	19.81	19.78	21.00
1.4	256QAM	1	0	17.73	17.94	17.79	19.00
1.4	256QAM	1	3	17.85	18.08	17.86	19.00
1.4	256QAM	1	5	17.62	17.94	17.83	19.00
1.4	256QAM	3	0	17.66	17.91	17.83	19.00
1.4	256QAM	3	1	17.88	18.02	17.74	19.00
1.4	256QAM	3	3	17.80	18.00	17.85	19.00
1.4	256QAM	6	0	17.71	17.88	17.79	19.00

【LTE Band 12_Ant 0_DSI 3】

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	22.99	23.04	22.93	24.00
10	QPSK	1	25	22.88	23.03	22.88	24.00
10	QPSK	1	49	22.71	22.98	22.75	24.00
10	QPSK	25	0	22.02	22.06	21.98	23.00
10	QPSK	25	12	21.79	21.97	21.75	23.00
10	QPSK	25	25	21.73	21.99	21.78	23.00
10	QPSK	50	0	21.80	21.96	21.80	23.00
10	16QAM	1	0	21.91	22.15	21.96	23.00
10	16QAM	1	25	21.76	22.01	21.80	23.00
10	16QAM	1	49	21.89	22.14	21.92	23.00
10	16QAM	25	0	20.78	20.97	20.84	22.00



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10	16QAM	25	12	20.81	20.96	20.76	22.00
10	16QAM	25	25	20.80	20.95	20.76	22.00
10	16QAM	50	0	20.80	21.00	20.78	22.00
10	64QAM	1	0	20.82	21.07	20.86	22.00
10	64QAM	1	25	20.91	21.13	21.01	22.00
10	64QAM	1	49	20.93	21.19	20.97	22.00
10	64QAM	25	0	19.82	19.95	19.77	21.00
10	64QAM	25	12	19.80	20.02	19.82	21.00
10	64QAM	25	25	19.88	20.12	19.96	21.00
10	64QAM	50	0	19.70	19.94	19.82	21.00
10	256QAM	1	0	17.82	18.05	17.85	19.00
10	256QAM	1	25	17.98	18.13	17.93	19.00
10	256QAM	1	49	17.74	17.97	17.86	19.00
10	256QAM	25	0	17.81	17.97	17.87	19.00
10	256QAM	25	12	17.94	18.07	17.85	19.00
10	256QAM	25	25	17.89	18.07	17.87	19.00
10	256QAM	50	0	17.84	17.99	17.81	19.00
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	22.94	22.92	22.81	24.00
5	QPSK	1	12	22.78	22.95	22.84	24.00
5	QPSK	1	24	22.69	22.88	22.61	24.00
5	QPSK	12	0	21.93	22.05	21.93	23.00
5	QPSK	12	7	21.68	21.91	21.70	23.00
5	QPSK	12	13	21.61	21.88	21.64	23.00
5	QPSK	25	0	21.76	21.86	21.66	23.00
5	16QAM	1	0	21.87	22.12	21.88	23.00
5	16QAM	1	12	21.75	21.91	21.78	23.00
5	16QAM	1	24	21.85	22.13	21.90	23.00
5	16QAM	12	0	20.72	20.90	20.72	22.00
5	16QAM	12	7	20.77	20.85	20.65	22.00
5	16QAM	12	13	20.73	20.90	20.67	22.00
5	16QAM	25	0	20.71	20.86	20.75	22.00
5	64QAM	1	0	20.79	20.98	20.83	22.00
5	64QAM	1	12	20.82	21.11	20.89	22.00
5	64QAM	1	24	20.86	21.08	20.87	22.00
5	64QAM	12	0	19.74	19.92	19.72	21.00
5	64QAM	12	7	19.66	19.97	19.77	21.00
5	64QAM	12	13	19.83	20.07	19.85	21.00
5	64QAM	25	0	19.65	19.88	19.71	21.00
5	256QAM	1	0	17.80	17.96	17.76	19.00
5	256QAM	1	12	17.94	18.07	17.86	19.00
5	256QAM	1	24	17.63	17.86	17.81	19.00
5	256QAM	12	0	17.71	17.96	17.73	19.00
5	256QAM	12	7	17.82	17.92	17.79	19.00
5	256QAM	12	13	17.82	18.06	17.81	19.00
5	256QAM	25	0	17.73	17.93	17.80	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	22.94	22.91	22.79	24.00
3	QPSK	1	8	22.75	22.95	22.74	24.00
3	QPSK	1	14	22.59	22.87	22.63	24.00
3	QPSK	8	0	21.89	21.92	21.83	23.00
3	QPSK	8	4	21.75	21.84	21.63	23.00
3	QPSK	8	7	21.64	21.93	21.67	23.00
3	QPSK	15	0	21.78	21.87	21.77	23.00
3	16QAM	1	0	21.77	22.09	21.90	23.00
3	16QAM	1	8	21.67	21.89	21.77	23.00
3	16QAM	1	14	21.82	22.04	21.87	23.00
3	16QAM	8	0	20.74	20.91	20.74	22.00
3	16QAM	8	4	20.69	20.84	20.68	22.00
3	16QAM	8	7	20.67	20.83	20.64	22.00
3	16QAM	15	0	20.70	20.86	20.66	22.00
3	64QAM	1	0	20.81	20.95	20.78	22.00
3	64QAM	1	8	20.86	21.03	20.88	22.00
3	64QAM	1	14	20.83	21.15	20.82	22.00
3	64QAM	8	0	19.69	19.89	19.76	21.00
3	64QAM	8	4	19.69	19.97	19.78	21.00
3	64QAM	8	7	19.81	20.07	19.85	21.00
3	64QAM	15	0	19.66	19.79	19.78	21.00
3	256QAM	1	0	17.67	17.91	17.70	19.00
3	256QAM	1	8	17.89	18.10	17.88	19.00
3	256QAM	1	14	17.64	17.82	17.75	19.00
3	256QAM	8	0	17.75	17.88	17.84	19.00
3	256QAM	8	4	17.80	18.01	17.79	19.00
3	256QAM	8	7	17.83	17.96	17.85	19.00
3	256QAM	15	0	17.79	17.91	17.72	19.00
Channel				23017	23095	23173	Tune-up limit



Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	22.86	22.94	22.84	24.00
1.4	QPSK	1	3	22.81	22.91	22.84	24.00
1.4	QPSK	1	5	22.69	22.93	22.61	24.00
1.4	QPSK	3	0	22.94	23.02	22.96	24.00
1.4	QPSK	3	1	22.71	22.91	22.66	24.00
1.4	QPSK	3	3	22.66	22.85	22.73	24.00
1.4	QPSK	6	0	21.77	21.88	21.77	23.00
1.4	16QAM	1	0	21.77	22.03	21.94	23.00
1.4	16QAM	1	3	21.62	21.88	21.75	23.00
1.4	16QAM	1	5	21.84	22.12	21.80	23.00
1.4	16QAM	3	0	21.68	21.90	21.75	23.00
1.4	16QAM	3	1	21.77	21.87	21.70	23.00
1.4	16QAM	3	3	21.66	21.84	21.64	23.00
1.4	16QAM	6	0	20.67	20.89	20.68	22.00
1.4	64QAM	1	0	20.74	20.93	20.75	22.00
1.4	64QAM	1	3	20.89	21.10	20.97	22.00
1.4	64QAM	1	5	20.83	21.17	20.93	22.00
1.4	64QAM	3	0	20.79	20.83	20.63	22.00
1.4	64QAM	3	1	20.69	20.96	20.68	22.00
1.4	64QAM	3	3	20.86	20.99	20.92	22.00
1.4	64QAM	6	0	19.57	19.81	19.78	21.00
1.4	256QAM	1	0	17.73	17.94	17.79	19.00
1.4	256QAM	1	3	17.85	18.08	17.86	19.00
1.4	256QAM	1	5	17.62	17.94	17.83	19.00
1.4	256QAM	3	0	17.66	17.91	17.83	19.00
1.4	256QAM	3	1	17.88	18.02	17.74	19.00
1.4	256QAM	3	3	17.80	18.00	17.85	19.00
1.4	256QAM	6	0	17.71	17.88	17.79	19.00

【LTE Band 12_Ant 0_DSI 4】

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	22.99	23.04	22.93	24.00
10	QPSK	1	25	22.88	23.03	22.88	24.00
10	QPSK	1	49	22.71	22.98	22.75	24.00
10	QPSK	25	0	22.02	22.06	21.98	23.00
10	QPSK	25	12	21.79	21.97	21.75	23.00
10	QPSK	25	25	21.73	21.99	21.78	23.00
10	QPSK	50	0	21.80	21.96	21.80	23.00
10	16QAM	1	0	21.91	22.15	21.96	23.00
10	16QAM	1	25	21.76	22.01	21.80	23.00
10	16QAM	1	49	21.89	22.14	21.92	23.00
10	16QAM	25	0	20.78	20.97	20.84	22.00
10	16QAM	25	12	20.81	20.96	20.76	22.00
10	16QAM	25	25	20.80	20.95	20.76	22.00
10	16QAM	50	0	20.80	21.00	20.78	22.00
10	64QAM	1	0	20.82	21.07	20.86	22.00
10	64QAM	1	25	20.91	21.13	21.01	22.00
10	64QAM	1	49	20.93	21.19	20.97	22.00
10	64QAM	25	0	19.82	19.95	19.77	21.00
10	64QAM	25	12	19.80	20.02	19.82	21.00
10	64QAM	25	25	19.88	20.12	19.96	21.00
10	64QAM	50	0	19.70	19.94	19.82	21.00
10	256QAM	1	0	17.82	18.05	17.85	19.00
10	256QAM	1	25	17.98	18.13	17.93	19.00
10	256QAM	1	49	17.74	17.97	17.86	19.00
10	256QAM	25	0	17.81	17.97	17.87	19.00
10	256QAM	25	12	17.94	18.07	17.85	19.00
10	256QAM	25	25	17.89	18.07	17.87	19.00
10	256QAM	50	0	17.84	17.99	17.81	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.94	22.92	22.81	24.00
5	QPSK	1	12	22.78	22.95	22.84	24.00
5	QPSK	1	24	22.69	22.88	22.61	24.00
5	QPSK	12	0	21.93	22.05	21.93	23.00
5	QPSK	12	7	21.68	21.91	21.70	23.00
5	QPSK	12	13	21.61	21.88	21.64	23.00
5	QPSK	25	0	21.76	21.86	21.66	23.00



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5	16QAM	1	0	21.87	22.12	21.88	23.00
5	16QAM	1	12	21.75	21.91	21.78	23.00
5	16QAM	1	24	21.85	22.13	21.90	23.00
5	16QAM	12	0	20.72	20.90	20.72	22.00
5	16QAM	12	7	20.77	20.85	20.65	22.00
5	16QAM	12	13	20.73	20.90	20.67	22.00
5	16QAM	25	0	20.71	20.86	20.75	22.00
5	64QAM	1	0	20.79	20.98	20.83	22.00
5	64QAM	1	12	20.82	21.11	20.89	22.00
5	64QAM	1	24	20.86	21.08	20.87	22.00
5	64QAM	12	0	19.74	19.92	19.72	21.00
5	64QAM	12	7	19.66	19.97	19.77	21.00
5	64QAM	12	13	19.83	20.07	19.85	21.00
5	64QAM	25	0	19.65	19.88	19.71	21.00
5	256QAM	1	0	17.80	17.96	17.76	19.00
5	256QAM	1	12	17.94	18.07	17.86	19.00
5	256QAM	1	24	17.63	17.86	17.81	19.00
5	256QAM	12	0	17.71	17.96	17.73	19.00
5	256QAM	12	7	17.82	17.92	17.79	19.00
5	256QAM	12	13	17.82	18.06	17.81	19.00
5	256QAM	25	0	17.73	17.93	17.80	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	22.94	22.91	22.79	24.00
3	QPSK	1	8	22.75	22.95	22.74	24.00
3	QPSK	1	14	22.59	22.87	22.63	24.00
3	QPSK	8	0	21.89	21.92	21.83	23.00
3	QPSK	8	4	21.75	21.84	21.63	23.00
3	QPSK	8	7	21.64	21.93	21.67	23.00
3	QPSK	15	0	21.78	21.87	21.77	23.00
3	16QAM	1	0	21.77	22.09	21.90	23.00
3	16QAM	1	8	21.67	21.89	21.77	23.00
3	16QAM	1	14	21.82	22.04	21.87	23.00
3	16QAM	8	0	20.74	20.91	20.74	22.00
3	16QAM	8	4	20.69	20.84	20.68	22.00
3	16QAM	8	7	20.67	20.83	20.64	22.00
3	16QAM	15	0	20.70	20.86	20.66	22.00
3	64QAM	1	0	20.81	20.95	20.78	22.00
3	64QAM	1	8	20.86	21.03	20.88	22.00
3	64QAM	1	14	20.83	21.15	20.82	22.00
3	64QAM	8	0	19.69	19.89	19.76	21.00
3	64QAM	8	4	19.69	19.97	19.78	21.00
3	64QAM	8	7	19.81	20.07	19.85	21.00
3	64QAM	15	0	19.66	19.79	19.78	21.00
3	256QAM	1	0	17.67	17.91	17.70	19.00
3	256QAM	1	8	17.89	18.10	17.88	19.00
3	256QAM	1	14	17.64	17.82	17.75	19.00
3	256QAM	8	0	17.75	17.88	17.84	19.00
3	256QAM	8	4	17.80	18.01	17.79	19.00
3	256QAM	8	7	17.83	17.96	17.85	19.00
3	256QAM	15	0	17.79	17.91	17.72	19.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	22.86	22.94	22.84	24.00
1.4	QPSK	1	3	22.81	22.91	22.84	24.00
1.4	QPSK	1	5	22.69	22.93	22.61	24.00
1.4	QPSK	3	0	22.94	23.02	22.96	24.00
1.4	QPSK	3	1	22.71	22.91	22.66	24.00
1.4	QPSK	3	3	22.66	22.85	22.73	24.00
1.4	QPSK	6	0	21.77	21.88	21.77	23.00
1.4	16QAM	1	0	21.77	22.03	21.94	23.00
1.4	16QAM	1	3	21.62	21.88	21.75	23.00
1.4	16QAM	1	5	21.84	22.12	21.80	23.00
1.4	16QAM	3	0	21.68	21.90	21.75	23.00
1.4	16QAM	3	1	21.77	21.87	21.70	23.00
1.4	16QAM	3	3	21.66	21.84	21.64	23.00
1.4	16QAM	6	0	20.67	20.89	20.68	22.00
1.4	64QAM	1	0	20.74	20.93	20.75	22.00
1.4	64QAM	1	3	20.89	21.10	20.97	22.00
1.4	64QAM	1	5	20.83	21.17	20.93	22.00
1.4	64QAM	3	0	20.79	20.83	20.63	22.00
1.4	64QAM	3	1	20.69	20.96	20.68	22.00
1.4	64QAM	3	3	20.86	20.99	20.92	22.00
1.4	64QAM	6	0	19.57	19.81	19.78	21.00
1.4	256QAM	1	0	17.73	17.94	17.79	19.00
1.4	256QAM	1	3	17.85	18.08	17.86	19.00
1.4	256QAM	1	5	17.62	17.94	17.83	19.00
1.4	256QAM	3	0	17.66	17.91	17.83	19.00



1.4	256QAM	3	1	17.88	18.02	17.74	19.00
1.4	256QAM	3	3	17.80	18.00	17.85	19.00
1.4	256QAM	6	0	17.71	17.88	17.79	19.00

【LTE Band 12_Ant 0_DSI 6】

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	22.99	23.04	22.93	24.00
10	QPSK	1	25	22.88	23.03	22.88	24.00
10	QPSK	1	49	22.71	22.98	22.75	24.00
10	QPSK	25	0	22.02	22.06	21.98	23.00
10	QPSK	25	12	21.79	21.97	21.75	23.00
10	QPSK	25	25	21.73	21.99	21.78	23.00
10	QPSK	50	0	21.80	21.96	21.80	23.00
10	16QAM	1	0	21.91	22.15	21.96	23.00
10	16QAM	1	25	21.76	22.01	21.80	23.00
10	16QAM	1	49	21.89	22.14	21.92	23.00
10	16QAM	25	0	20.78	20.97	20.84	22.00
10	16QAM	25	12	20.81	20.96	20.76	22.00
10	16QAM	25	25	20.80	20.95	20.76	22.00
10	16QAM	50	0	20.80	21.00	20.78	22.00
10	64QAM	1	0	20.82	21.07	20.86	22.00
10	64QAM	1	25	20.91	21.13	21.01	22.00
10	64QAM	1	49	20.93	21.19	20.97	22.00
10	64QAM	25	0	19.82	19.95	19.77	21.00
10	64QAM	25	12	19.80	20.02	19.82	21.00
10	64QAM	25	25	19.88	20.12	19.96	21.00
10	64QAM	50	0	19.70	19.94	19.82	21.00
10	256QAM	1	0	17.82	18.05	17.85	19.00
10	256QAM	1	25	17.98	18.13	17.93	19.00
10	256QAM	1	49	17.74	17.97	17.86	19.00
10	256QAM	25	0	17.81	17.97	17.87	19.00
10	256QAM	25	12	17.94	18.07	17.85	19.00
10	256QAM	25	25	17.89	18.07	17.87	19.00
10	256QAM	50	0	17.84	17.99	17.81	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.94	22.92	22.81	24.00
5	QPSK	1	12	22.78	22.95	22.84	24.00
5	QPSK	1	24	22.69	22.88	22.61	24.00
5	QPSK	12	0	21.93	22.05	21.93	23.00
5	QPSK	12	7	21.68	21.91	21.70	23.00
5	QPSK	12	13	21.61	21.88	21.64	23.00
5	QPSK	25	0	21.76	21.86	21.66	23.00
5	16QAM	1	0	21.87	22.12	21.88	23.00
5	16QAM	1	12	21.75	21.91	21.78	23.00
5	16QAM	1	24	21.85	22.13	21.90	23.00
5	16QAM	12	0	20.72	20.90	20.72	22.00
5	16QAM	12	7	20.77	20.85	20.65	22.00
5	16QAM	12	13	20.73	20.90	20.67	22.00
5	16QAM	25	0	20.71	20.86	20.75	22.00
5	64QAM	1	0	20.79	20.98	20.83	22.00
5	64QAM	1	12	20.82	21.11	20.89	22.00
5	64QAM	1	24	20.86	21.08	20.87	22.00
5	64QAM	12	0	19.74	19.92	19.72	21.00
5	64QAM	12	7	19.66	19.97	19.77	21.00
5	64QAM	12	13	19.83	20.07	19.85	21.00
5	64QAM	25	0	19.65	19.88	19.71	21.00
5	256QAM	1	0	17.80	17.96	17.76	19.00
5	256QAM	1	12	17.94	18.07	17.86	19.00
5	256QAM	1	24	17.63	17.86	17.81	19.00
5	256QAM	12	0	17.71	17.96	17.73	19.00
5	256QAM	12	7	17.82	17.92	17.79	19.00
5	256QAM	12	13	17.82	18.06	17.81	19.00
5	256QAM	25	0	17.73	17.93	17.80	19.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.94	22.91	22.79	24.00
3	QPSK	1	8	22.75	22.95	22.74	24.00
3	QPSK	1	14	22.59	22.87	22.63	24.00



3	QPSK	8	0	21.89	21.92	21.83	23.00
3	QPSK	8	4	21.75	21.84	21.63	23.00
3	QPSK	8	7	21.64	21.93	21.67	23.00
3	QPSK	15	0	21.78	21.87	21.77	23.00
3	16QAM	1	0	21.77	22.09	21.90	23.00
3	16QAM	1	8	21.67	21.89	21.77	23.00
3	16QAM	1	14	21.82	22.04	21.87	23.00
3	16QAM	8	0	20.74	20.91	20.74	22.00
3	16QAM	8	4	20.69	20.84	20.68	22.00
3	16QAM	8	7	20.67	20.83	20.64	22.00
3	16QAM	15	0	20.70	20.86	20.66	22.00
3	64QAM	1	0	20.81	20.95	20.78	22.00
3	64QAM	1	8	20.86	21.03	20.88	22.00
3	64QAM	1	14	20.83	21.15	20.82	22.00
3	64QAM	8	0	19.69	19.89	19.76	21.00
3	64QAM	8	4	19.69	19.97	19.78	21.00
3	64QAM	8	7	19.81	20.07	19.85	21.00
3	64QAM	15	0	19.66	19.79	19.78	21.00
3	256QAM	1	0	17.67	17.91	17.70	19.00
3	256QAM	1	8	17.89	18.10	17.88	19.00
3	256QAM	1	14	17.64	17.82	17.75	19.00
3	256QAM	8	0	17.75	17.88	17.84	19.00
3	256QAM	8	4	17.80	18.01	17.79	19.00
3	256QAM	8	7	17.83	17.96	17.85	19.00
3	256QAM	15	0	17.79	17.91	17.72	19.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.86	22.94	22.84	24.00
1.4	QPSK	1	3	22.81	22.91	22.84	24.00
1.4	QPSK	1	5	22.69	22.93	22.61	24.00
1.4	QPSK	3	0	22.94	23.02	22.96	24.00
1.4	QPSK	3	1	22.71	22.91	22.66	24.00
1.4	QPSK	3	3	22.66	22.85	22.73	24.00
1.4	QPSK	6	0	21.77	21.88	21.77	23.00
1.4	16QAM	1	0	21.77	22.03	21.94	23.00
1.4	16QAM	1	3	21.62	21.88	21.75	23.00
1.4	16QAM	1	5	21.84	22.12	21.80	23.00
1.4	16QAM	3	0	21.68	21.90	21.75	23.00
1.4	16QAM	3	1	21.77	21.87	21.70	23.00
1.4	16QAM	3	3	21.66	21.84	21.64	23.00
1.4	16QAM	6	0	20.67	20.89	20.68	22.00
1.4	64QAM	1	0	20.74	20.93	20.75	22.00
1.4	64QAM	1	3	20.89	21.10	20.97	22.00
1.4	64QAM	1	5	20.83	21.17	20.93	22.00
1.4	64QAM	3	0	20.79	20.83	20.63	22.00
1.4	64QAM	3	1	20.69	20.96	20.68	22.00
1.4	64QAM	3	3	20.86	20.99	20.92	22.00
1.4	64QAM	6	0	19.57	19.81	19.78	21.00
1.4	256QAM	1	0	17.73	17.94	17.79	19.00
1.4	256QAM	1	3	17.85	18.08	17.86	19.00
1.4	256QAM	1	5	17.62	17.94	17.83	19.00
1.4	256QAM	3	0	17.66	17.91	17.83	19.00
1.4	256QAM	3	1	17.88	18.02	17.74	19.00
1.4	256QAM	3	3	17.80	18.00	17.85	19.00
1.4	256QAM	6	0	17.71	17.88	17.79	19.00

【LTE Band 12_Ant 0_DSI 7】

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	22.99	23.04	22.93	24.00
10	QPSK	1	25	22.88	23.03	22.88	24.00
10	QPSK	1	49	22.71	22.98	22.75	24.00
10	QPSK	25	0	22.02	22.06	21.98	23.00
10	QPSK	25	12	21.79	21.97	21.75	23.00
10	QPSK	25	25	21.73	21.99	21.78	23.00
10	QPSK	50	0	21.80	21.96	21.80	23.00
10	16QAM	1	0	21.91	22.15	21.96	23.00
10	16QAM	1	25	21.76	22.01	21.80	23.00
10	16QAM	1	49	21.89	22.14	21.92	23.00
10	16QAM	25	0	20.78	20.97	20.84	22.00



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10	16QAM	25	12	20.81	20.96	20.76	22.00
10	16QAM	25	25	20.80	20.95	20.76	22.00
10	16QAM	50	0	20.80	21.00	20.78	22.00
10	64QAM	1	0	20.82	21.07	20.86	22.00
10	64QAM	1	25	20.91	21.13	21.01	22.00
10	64QAM	1	49	20.93	21.19	20.97	22.00
10	64QAM	25	0	19.82	19.95	19.77	21.00
10	64QAM	25	12	19.80	20.02	19.82	21.00
10	64QAM	25	25	19.88	20.12	19.96	21.00
10	64QAM	50	0	19.70	19.94	19.82	21.00
10	256QAM	1	0	17.82	18.05	17.85	19.00
10	256QAM	1	25	17.98	18.13	17.93	19.00
10	256QAM	1	49	17.74	17.97	17.86	19.00
10	256QAM	25	0	17.81	17.97	17.87	19.00
10	256QAM	25	12	17.94	18.07	17.85	19.00
10	256QAM	25	25	17.89	18.07	17.87	19.00
10	256QAM	50	0	17.84	17.99	17.81	19.00
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	22.94	22.92	22.81	24.00
5	QPSK	1	12	22.78	22.95	22.84	24.00
5	QPSK	1	24	22.69	22.88	22.61	24.00
5	QPSK	12	0	21.93	22.05	21.93	23.00
5	QPSK	12	7	21.68	21.91	21.70	23.00
5	QPSK	12	13	21.61	21.88	21.64	23.00
5	QPSK	25	0	21.76	21.86	21.66	23.00
5	16QAM	1	0	21.87	22.12	21.88	23.00
5	16QAM	1	12	21.75	21.91	21.78	23.00
5	16QAM	1	24	21.85	22.13	21.90	23.00
5	16QAM	12	0	20.72	20.90	20.72	22.00
5	16QAM	12	7	20.77	20.85	20.65	22.00
5	16QAM	12	13	20.73	20.90	20.67	22.00
5	16QAM	25	0	20.71	20.86	20.75	22.00
5	64QAM	1	0	20.79	20.98	20.83	22.00
5	64QAM	1	12	20.82	21.11	20.89	22.00
5	64QAM	1	24	20.86	21.08	20.87	22.00
5	64QAM	12	0	19.74	19.92	19.72	21.00
5	64QAM	12	7	19.66	19.97	19.77	21.00
5	64QAM	12	13	19.83	20.07	19.85	21.00
5	64QAM	25	0	19.65	19.88	19.71	21.00
5	256QAM	1	0	17.80	17.96	17.76	19.00
5	256QAM	1	12	17.94	18.07	17.86	19.00
5	256QAM	1	24	17.63	17.86	17.81	19.00
5	256QAM	12	0	17.71	17.96	17.73	19.00
5	256QAM	12	7	17.82	17.92	17.79	19.00
5	256QAM	12	13	17.82	18.06	17.81	19.00
5	256QAM	25	0	17.73	17.93	17.80	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	22.94	22.91	22.79	24.00
3	QPSK	1	8	22.75	22.95	22.74	24.00
3	QPSK	1	14	22.59	22.87	22.63	24.00
3	QPSK	8	0	21.89	21.92	21.83	23.00
3	QPSK	8	4	21.75	21.84	21.63	23.00
3	QPSK	8	7	21.64	21.93	21.67	23.00
3	QPSK	15	0	21.78	21.87	21.77	23.00
3	16QAM	1	0	21.77	22.09	21.90	23.00
3	16QAM	1	8	21.67	21.89	21.77	23.00
3	16QAM	1	14	21.82	22.04	21.87	23.00
3	16QAM	8	0	20.74	20.91	20.74	22.00
3	16QAM	8	4	20.69	20.84	20.68	22.00
3	16QAM	8	7	20.67	20.83	20.64	22.00
3	16QAM	15	0	20.70	20.86	20.66	22.00
3	64QAM	1	0	20.81	20.95	20.78	22.00
3	64QAM	1	8	20.86	21.03	20.88	22.00
3	64QAM	1	14	20.83	21.15	20.82	22.00
3	64QAM	8	0	19.69	19.89	19.76	21.00
3	64QAM	8	4	19.69	19.97	19.78	21.00
3	64QAM	8	7	19.81	20.07	19.85	21.00
3	64QAM	15	0	19.66	19.79	19.78	21.00
3	256QAM	1	0	17.67	17.91	17.70	19.00
3	256QAM	1	8	17.89	18.10	17.88	19.00
3	256QAM	1	14	17.64	17.82	17.75	19.00
3	256QAM	8	0	17.75	17.88	17.84	19.00
3	256QAM	8	4	17.80	18.01	17.79	19.00
3	256QAM	8	7	17.83	17.96	17.85	19.00
3	256QAM	15	0	17.79	17.91	17.72	19.00
Channel				23017	23095	23173	Tune-up limit



Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	22.86	22.94	22.84	24.00
1.4	QPSK	1	3	22.81	22.91	22.84	24.00
1.4	QPSK	1	5	22.69	22.93	22.61	24.00
1.4	QPSK	3	0	22.94	23.02	22.96	24.00
1.4	QPSK	3	1	22.71	22.91	22.66	24.00
1.4	QPSK	3	3	22.66	22.85	22.73	24.00
1.4	QPSK	6	0	21.77	21.88	21.77	23.00
1.4	16QAM	1	0	21.77	22.03	21.94	23.00
1.4	16QAM	1	3	21.62	21.88	21.75	23.00
1.4	16QAM	1	5	21.84	22.12	21.80	23.00
1.4	16QAM	3	0	21.68	21.90	21.75	23.00
1.4	16QAM	3	1	21.77	21.87	21.70	23.00
1.4	16QAM	3	3	21.66	21.84	21.64	23.00
1.4	16QAM	6	0	20.67	20.89	20.68	22.00
1.4	64QAM	1	0	20.74	20.93	20.75	22.00
1.4	64QAM	1	3	20.89	21.10	20.97	22.00
1.4	64QAM	1	5	20.83	21.17	20.93	22.00
1.4	64QAM	3	0	20.79	20.83	20.63	22.00
1.4	64QAM	3	1	20.69	20.96	20.68	22.00
1.4	64QAM	3	3	20.86	20.99	20.92	22.00
1.4	64QAM	6	0	19.57	19.81	19.78	21.00
1.4	256QAM	1	0	17.73	17.94	17.79	19.00
1.4	256QAM	1	3	17.85	18.08	17.86	19.00
1.4	256QAM	1	5	17.62	17.94	17.83	19.00
1.4	256QAM	3	0	17.66	17.91	17.83	19.00
1.4	256QAM	3	1	17.88	18.02	17.74	19.00
1.4	256QAM	3	3	17.80	18.00	17.85	19.00
1.4	256QAM	6	0	17.71	17.88	17.79	19.00

【LTE Band 12_Ant 0_DSI 12】

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	19.05	19.08	19.03	20.30
10	QPSK	1	25	18.95	19.03	18.96	20.30
10	QPSK	1	49	18.92	18.99	18.93	20.30
10	QPSK	25	0	19.01	19.07	18.99	20.30
10	QPSK	25	12	18.94	19.00	18.97	20.30
10	QPSK	25	25	19.00	18.99	18.91	20.30
10	QPSK	50	0	18.96	18.93	18.97	20.30
10	16QAM	1	0	18.95	18.95	18.96	20.30
10	16QAM	1	25	18.94	18.97	18.88	20.30
10	16QAM	1	49	18.91	18.95	18.92	20.30
10	16QAM	25	0	18.94	18.93	18.98	20.30
10	16QAM	25	12	19.02	18.98	18.92	20.30
10	16QAM	25	25	19.01	19.01	18.91	20.30
10	16QAM	50	0	18.91	18.97	18.96	20.30
10	64QAM	1	0	18.95	18.97	18.93	20.30
10	64QAM	1	25	18.97	18.97	18.92	20.30
10	64QAM	1	49	18.99	18.94	18.91	20.30
10	64QAM	25	0	19.00	18.96	18.91	20.30
10	64QAM	25	12	18.91	18.97	18.95	20.30
10	64QAM	25	25	19.00	18.96	18.88	20.30
10	64QAM	50	0	18.98	19.01	18.93	20.30
10	256QAM	1	0	17.75	17.78	17.70	19.00
10	256QAM	1	25	17.77	17.79	17.80	19.00
10	256QAM	1	49	17.77	17.74	17.72	19.00
10	256QAM	25	0	17.74	17.73	17.74	19.00
10	256QAM	25	12	17.81	17.79	17.68	19.00
10	256QAM	25	25	17.71	17.80	17.73	19.00
10	256QAM	50	0	17.81	17.73	17.77	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	19.02	19.06	18.91	20.30
5	QPSK	1	12	18.82	19.00	18.94	20.30
5	QPSK	1	24	18.90	18.86	18.81	20.30
5	QPSK	12	0	18.91	18.99	18.90	20.30
5	QPSK	12	7	18.88	18.90	18.92	20.30
5	QPSK	12	13	18.87	18.85	18.85	20.30
5	QPSK	25	0	18.89	18.91	18.87	20.30



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5	16QAM	1	0	18.86	18.90	18.91	20.30
5	16QAM	1	12	18.92	18.84	18.85	20.30
5	16QAM	1	24	18.89	18.86	18.83	20.30
5	16QAM	12	0	18.80	18.82	18.90	20.30
5	16QAM	12	7	18.93	18.87	18.84	20.30
5	16QAM	12	13	18.95	18.91	18.84	20.30
5	16QAM	25	0	18.89	18.94	18.86	20.30
5	64QAM	1	0	18.86	18.84	18.85	20.30
5	64QAM	1	12	18.90	18.95	18.86	20.30
5	64QAM	1	24	18.85	18.82	18.84	20.30
5	64QAM	12	0	18.91	18.95	18.82	20.30
5	64QAM	12	7	18.88	18.85	18.84	20.30
5	64QAM	12	13	18.89	18.86	18.84	20.30
5	64QAM	25	0	18.88	18.97	18.83	20.30
5	256QAM	1	0	17.62	17.74	17.66	19.00
5	256QAM	1	12	17.64	17.75	17.66	19.00
5	256QAM	1	24	17.69	17.69	17.65	19.00
5	256QAM	12	0	17.71	17.71	17.71	19.00
5	256QAM	12	7	17.79	17.74	17.55	19.00
5	256QAM	12	13	17.66	17.72	17.61	19.00
5	256QAM	25	0	17.68	17.72	17.75	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	18.95	19.03	18.98	20.30
3	QPSK	1	8	18.86	18.96	18.81	20.30
3	QPSK	1	14	18.83	18.88	18.85	20.30
3	QPSK	8	0	18.87	19.03	18.91	20.30
3	QPSK	8	4	18.88	18.97	18.87	20.30
3	QPSK	8	7	18.87	18.89	18.78	20.30
3	QPSK	15	0	18.92	18.78	18.92	20.30
3	16QAM	1	0	18.84	18.86	18.93	20.30
3	16QAM	1	8	18.83	18.92	18.79	20.30
3	16QAM	1	14	18.89	18.92	18.89	20.30
3	16QAM	8	0	18.88	18.79	18.84	20.30
3	16QAM	8	4	18.88	18.91	18.90	20.30
3	16QAM	8	7	18.99	18.94	18.89	20.30
3	16QAM	15	0	18.86	18.88	18.85	20.30
3	64QAM	1	0	18.87	18.85	18.87	20.30
3	64QAM	1	8	18.85	18.86	18.81	20.30
3	64QAM	1	14	18.96	18.89	18.81	20.30
3	64QAM	8	0	18.90	18.86	18.88	20.30
3	64QAM	8	4	18.78	18.91	18.90	20.30
3	64QAM	8	7	18.89	18.84	18.76	20.30
3	64QAM	15	0	18.86	18.95	18.86	20.30
3	256QAM	1	0	17.73	17.65	17.57	19.00
3	256QAM	1	8	17.75	17.66	17.77	19.00
3	256QAM	1	14	17.71	17.62	17.58	19.00
3	256QAM	8	0	17.65	17.70	17.61	19.00
3	256QAM	8	4	17.77	17.73	17.60	19.00
3	256QAM	8	7	17.56	17.79	17.65	19.00
3	256QAM	15	0	17.68	17.63	17.73	19.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	19.04	18.97	18.99	20.30
1.4	QPSK	1	3	18.81	18.99	18.90	20.30
1.4	QPSK	1	5	18.85	18.86	18.78	20.30
1.4	QPSK	3	0	18.96	19.00	18.88	20.30
1.4	QPSK	3	1	18.85	18.92	18.93	20.30
1.4	QPSK	3	3	18.89	18.97	18.85	20.30
1.4	QPSK	6	0	18.86	18.83	18.92	20.30
1.4	16QAM	1	0	18.85	18.92	18.87	20.30
1.4	16QAM	1	3	18.87	18.86	18.83	20.30
1.4	16QAM	1	5	18.89	18.93	18.80	20.30
1.4	16QAM	3	0	18.90	18.79	18.89	20.30
1.4	16QAM	3	1	19.01	18.83	18.77	20.30
1.4	16QAM	3	3	18.99	18.98	18.84	20.30
1.4	16QAM	6	0	18.76	18.96	18.90	20.30
1.4	64QAM	1	0	18.90	18.84	18.78	20.30
1.4	64QAM	1	3	18.94	18.88	18.88	20.30
1.4	64QAM	1	5	18.94	18.80	18.81	20.30
1.4	64QAM	3	0	18.92	18.91	18.78	20.30
1.4	64QAM	3	1	18.83	18.96	18.93	20.30
1.4	64QAM	3	3	18.98	18.86	18.86	20.30
1.4	64QAM	6	0	18.84	18.95	18.83	20.30
1.4	256QAM	1	0	17.72	17.75	17.69	19.00
1.4	256QAM	1	3	17.70	17.70	17.67	19.00
1.4	256QAM	1	5	17.73	17.61	17.70	19.00
1.4	256QAM	3	0	17.70	17.67	17.60	19.00



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1.4	256QAM	3	1	17.77	17.64	17.62	19.00
1.4	256QAM	3	3	17.58	17.67	17.58	19.00
1.4	256QAM	6	0	17.67	17.60	17.62	19.00

【LTE Band 12_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				23060	23095	23130	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.42	23.46	23.39	24.00
10	QPSK	1	25	23.01	23.16	22.95	24.00
10	QPSK	1	49	23.14	23.24	23.14	24.00
10	QPSK	25	0	22.43	22.52	22.48	23.00
10	QPSK	25	12	22.30	22.42	22.29	23.00
10	QPSK	25	25	22.21	22.38	22.24	23.00
10	QPSK	50	0	22.32	22.46	22.29	23.00
10	16QAM	1	0	22.38	22.45	22.25	23.00
10	16QAM	1	25	22.29	22.38	22.18	23.00
10	16QAM	1	49	22.14	22.26	22.08	23.00
10	16QAM	25	0	21.21	21.39	21.28	22.00
10	16QAM	25	12	21.17	21.35	21.23	22.00
10	16QAM	25	25	21.17	21.25	21.12	22.00
10	16QAM	50	0	21.18	21.30	21.10	22.00
10	64QAM	1	0	21.13	21.30	21.12	22.00
10	64QAM	1	25	21.30	21.43	21.29	22.00
10	64QAM	1	49	21.17	21.29	21.19	22.00
10	64QAM	25	0	20.24	20.39	20.27	21.00
10	64QAM	25	12	20.24	20.42	20.22	21.00
10	64QAM	25	25	20.18	20.24	20.09	21.00
10	64QAM	50	0	20.15	20.30	20.11	21.00
10	256QAM	1	0	18.26	18.37	18.26	19.00
10	256QAM	1	25	18.26	18.33	18.25	19.00
10	256QAM	1	49	18.30	18.38	18.18	19.00
10	256QAM	25	0	18.12	18.27	18.11	19.00
10	256QAM	25	12	18.24	18.36	18.24	19.00
10	256QAM	25	25	18.28	18.36	18.22	19.00
10	256QAM	50	0	18.19	18.33	18.17	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.39	23.44	23.34	24.00
5	QPSK	1	12	22.92	23.10	22.83	24.00
5	QPSK	1	24	23.09	23.23	22.99	24.00
5	QPSK	12	0	22.35	22.39	22.38	23.00
5	QPSK	12	7	22.18	22.36	22.19	23.00
5	QPSK	12	13	22.18	22.36	22.18	23.00
5	QPSK	25	0	22.31	22.42	22.20	23.00
5	16QAM	1	0	22.32	22.39	22.14	23.00
5	16QAM	1	12	22.15	22.33	22.14	23.00
5	16QAM	1	24	22.06	22.13	22.04	23.00
5	16QAM	12	0	21.13	21.34	21.14	22.00
5	16QAM	12	7	21.10	21.21	21.14	22.00
5	16QAM	12	13	21.15	21.23	21.01	22.00
5	16QAM	25	0	21.12	21.18	21.07	22.00
5	64QAM	1	0	21.08	21.22	21.05	22.00
5	64QAM	1	12	21.26	21.35	21.19	22.00
5	64QAM	1	24	21.12	21.15	21.11	22.00
5	64QAM	12	0	20.10	20.27	20.20	21.00
5	64QAM	12	7	20.13	20.31	20.18	21.00
5	64QAM	12	13	20.16	20.18	20.01	21.00
5	64QAM	25	0	20.13	20.28	20.04	21.00
5	256QAM	1	0	18.18	18.32	18.24	19.00
5	256QAM	1	12	18.25	18.25	18.16	19.00
5	256QAM	1	24	18.16	18.30	18.11	19.00
5	256QAM	12	0	18.03	18.17	18.10	19.00
5	256QAM	12	7	18.11	18.35	18.14	19.00
5	256QAM	12	13	18.20	18.22	18.21	19.00
5	256QAM	25	0	18.13	18.23	18.04	19.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.28	23.45	23.25	24.00
3	QPSK	1	8	22.94	23.12	22.91	24.00
3	QPSK	1	14	23.05	23.14	23.12	24.00



3	QPSK	8	0	22.42	22.48	22.40	23.00
3	QPSK	8	4	22.19	22.33	22.22	23.00
3	QPSK	8	7	22.09	22.28	22.18	23.00
3	QPSK	15	0	22.30	22.38	22.16	23.00
3	16QAM	1	0	22.28	22.37	22.14	23.00
3	16QAM	1	8	22.19	22.30	22.09	23.00
3	16QAM	1	14	22.07	22.22	22.05	23.00
3	16QAM	8	0	21.19	21.38	21.19	22.00
3	16QAM	8	4	21.03	21.34	21.19	22.00
3	16QAM	8	7	21.08	21.13	21.01	22.00
3	16QAM	15	0	21.05	21.15	21.00	22.00
3	64QAM	1	0	20.99	21.25	21.03	22.00
3	64QAM	1	8	21.24	21.29	21.21	22.00
3	64QAM	1	14	21.14	21.15	21.11	22.00
3	64QAM	8	0	20.15	20.35	20.15	21.00
3	64QAM	8	4	20.23	20.33	20.11	21.00
3	64QAM	8	7	20.14	20.16	19.98	21.00
3	64QAM	15	0	20.13	20.26	20.03	21.00
3	256QAM	1	0	18.24	18.22	18.23	19.00
3	256QAM	1	8	18.21	18.22	18.12	19.00
3	256QAM	1	14	18.27	18.34	18.12	19.00
3	256QAM	8	0	18.05	18.22	18.06	19.00
3	256QAM	8	4	18.11	18.25	18.17	19.00
3	256QAM	8	7	18.20	18.24	18.09	19.00
3	256QAM	15	0	18.05	18.28	18.03	19.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.33	23.37	23.31	24.00
1.4	QPSK	1	3	22.89	23.07	22.88	24.00
1.4	QPSK	1	5	23.12	23.21	23.02	24.00
1.4	QPSK	3	0	23.35	23.49	23.45	24.00
1.4	QPSK	3	1	23.23	23.31	23.28	24.00
1.4	QPSK	3	3	23.11	23.26	23.10	24.00
1.4	QPSK	6	0	22.17	22.44	22.15	23.00
1.4	16QAM	1	0	22.33	22.43	22.22	23.00
1.4	16QAM	1	3	22.26	22.35	22.07	23.00
1.4	16QAM	1	5	22.07	22.11	21.97	23.00
1.4	16QAM	3	0	22.12	22.35	22.18	23.00
1.4	16QAM	3	1	22.10	22.31	22.14	23.00
1.4	16QAM	3	3	22.04	22.17	21.99	23.00
1.4	16QAM	6	0	21.09	21.24	20.98	22.00
1.4	64QAM	1	0	21.00	21.25	21.09	22.00
1.4	64QAM	1	3	21.17	21.41	21.26	22.00
1.4	64QAM	1	5	21.08	21.21	21.12	22.00
1.4	64QAM	3	0	21.14	21.31	21.19	22.00
1.4	64QAM	3	1	21.21	21.39	21.09	22.00
1.4	64QAM	3	3	21.09	21.22	21.02	22.00
1.4	64QAM	6	0	20.05	20.27	20.05	21.00
1.4	256QAM	1	0	18.23	18.36	18.17	19.00
1.4	256QAM	1	3	18.16	18.19	18.18	19.00
1.4	256QAM	1	5	18.25	18.28	18.12	19.00
1.4	256QAM	3	0	18.08	18.15	18.04	19.00
1.4	256QAM	3	1	18.21	18.22	18.09	19.00
1.4	256QAM	3	3	18.14	18.23	18.08	19.00
1.4	256QAM	6	0	18.18	18.19	18.11	19.00

【LTE Band 12_Ant 1_DSI 2】

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	23.42	23.46	23.39	24.00
10	QPSK	1	25	23.01	23.16	22.95	24.00
10	QPSK	1	49	23.14	23.24	23.14	24.00
10	QPSK	25	0	22.43	22.52	22.48	23.00
10	QPSK	25	12	22.30	22.42	22.29	23.00
10	QPSK	25	25	22.21	22.38	22.24	23.00
10	QPSK	50	0	22.32	22.46	22.29	23.00
10	16QAM	1	0	22.38	22.45	22.25	23.00
10	16QAM	1	25	22.29	22.38	22.18	23.00
10	16QAM	1	49	22.14	22.26	22.08	23.00
10	16QAM	25	0	21.21	21.39	21.28	22.00



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10	16QAM	25	12	21.17	21.35	21.23	22.00
10	16QAM	25	25	21.17	21.25	21.12	22.00
10	16QAM	50	0	21.18	21.30	21.10	22.00
10	64QAM	1	0	21.13	21.30	21.12	22.00
10	64QAM	1	25	21.30	21.43	21.29	22.00
10	64QAM	1	49	21.17	21.29	21.19	22.00
10	64QAM	25	0	20.24	20.39	20.27	21.00
10	64QAM	25	12	20.24	20.42	20.22	21.00
10	64QAM	25	25	20.18	20.24	20.09	21.00
10	64QAM	50	0	20.15	20.30	20.11	21.00
10	256QAM	1	0	18.26	18.37	18.26	19.00
10	256QAM	1	25	18.26	18.33	18.25	19.00
10	256QAM	1	49	18.30	18.38	18.18	19.00
10	256QAM	25	0	18.12	18.27	18.11	19.00
10	256QAM	25	12	18.24	18.36	18.24	19.00
10	256QAM	25	25	18.28	18.36	18.22	19.00
10	256QAM	50	0	18.19	18.33	18.17	19.00
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	23.39	23.44	23.34	24.00
5	QPSK	1	12	22.92	23.10	22.83	24.00
5	QPSK	1	24	23.09	23.23	22.99	24.00
5	QPSK	12	0	22.35	22.39	22.38	23.00
5	QPSK	12	7	22.18	22.36	22.19	23.00
5	QPSK	12	13	22.18	22.36	22.18	23.00
5	QPSK	25	0	22.31	22.42	22.20	23.00
5	16QAM	1	0	22.32	22.39	22.14	23.00
5	16QAM	1	12	22.15	22.33	22.14	23.00
5	16QAM	1	24	22.06	22.13	22.04	23.00
5	16QAM	12	0	21.13	21.34	21.14	22.00
5	16QAM	12	7	21.10	21.21	21.14	22.00
5	16QAM	12	13	21.15	21.23	21.01	22.00
5	16QAM	25	0	21.12	21.18	21.07	22.00
5	64QAM	1	0	21.08	21.22	21.05	22.00
5	64QAM	1	12	21.26	21.35	21.19	22.00
5	64QAM	1	24	21.12	21.15	21.11	22.00
5	64QAM	12	0	20.10	20.27	20.20	21.00
5	64QAM	12	7	20.13	20.31	20.18	21.00
5	64QAM	12	13	20.16	20.18	20.01	21.00
5	64QAM	25	0	20.13	20.28	20.04	21.00
5	256QAM	1	0	18.18	18.32	18.24	19.00
5	256QAM	1	12	18.25	18.25	18.16	19.00
5	256QAM	1	24	18.16	18.30	18.11	19.00
5	256QAM	12	0	18.03	18.17	18.10	19.00
5	256QAM	12	7	18.11	18.35	18.14	19.00
5	256QAM	12	13	18.20	18.22	18.21	19.00
5	256QAM	25	0	18.13	18.23	18.04	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	23.28	23.45	23.25	24.00
3	QPSK	1	8	22.94	23.12	22.91	24.00
3	QPSK	1	14	23.05	23.14	23.12	24.00
3	QPSK	8	0	22.42	22.48	22.40	23.00
3	QPSK	8	4	22.19	22.33	22.22	23.00
3	QPSK	8	7	22.09	22.28	22.18	23.00
3	QPSK	15	0	22.30	22.38	22.16	23.00
3	16QAM	1	0	22.28	22.37	22.14	23.00
3	16QAM	1	8	22.19	22.30	22.09	23.00
3	16QAM	1	14	22.07	22.22	22.05	23.00
3	16QAM	8	0	21.19	21.38	21.19	22.00
3	16QAM	8	4	21.03	21.34	21.19	22.00
3	16QAM	8	7	21.08	21.13	21.01	22.00
3	16QAM	15	0	21.05	21.15	21.00	22.00
3	64QAM	1	0	20.99	21.25	21.03	22.00
3	64QAM	1	8	21.24	21.29	21.21	22.00
3	64QAM	1	14	21.14	21.15	21.11	22.00
3	64QAM	8	0	20.15	20.35	20.15	21.00
3	64QAM	8	4	20.23	20.33	20.11	21.00
3	64QAM	8	7	20.14	20.16	19.98	21.00
3	64QAM	15	0	20.13	20.26	20.03	21.00
3	256QAM	1	0	18.24	18.22	18.23	19.00
3	256QAM	1	8	18.21	18.22	18.12	19.00
3	256QAM	1	14	18.27	18.34	18.12	19.00
3	256QAM	8	0	18.05	18.22	18.06	19.00
3	256QAM	8	4	18.11	18.25	18.17	19.00
3	256QAM	8	7	18.20	18.24	18.09	19.00
3	256QAM	15	0	18.05	18.28	18.03	19.00
Channel				23017	23095	23173	Tune-up limit



Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	23.33	23.37	23.31	24.00
1.4	QPSK	1	3	22.89	23.07	22.88	24.00
1.4	QPSK	1	5	23.12	23.21	23.02	24.00
1.4	QPSK	3	0	23.35	23.49	23.45	24.00
1.4	QPSK	3	1	23.23	23.31	23.28	24.00
1.4	QPSK	3	3	23.11	23.26	23.10	24.00
1.4	QPSK	6	0	22.17	22.44	22.15	23.00
1.4	16QAM	1	0	22.33	22.43	22.22	23.00
1.4	16QAM	1	3	22.26	22.35	22.07	23.00
1.4	16QAM	1	5	22.07	22.11	21.97	23.00
1.4	16QAM	3	0	22.12	22.35	22.18	23.00
1.4	16QAM	3	1	22.10	22.31	22.14	23.00
1.4	16QAM	3	3	22.04	22.17	21.99	23.00
1.4	16QAM	6	0	21.09	21.24	20.98	22.00
1.4	64QAM	1	0	21.00	21.25	21.09	22.00
1.4	64QAM	1	3	21.17	21.41	21.26	22.00
1.4	64QAM	1	5	21.08	21.21	21.12	22.00
1.4	64QAM	3	0	21.14	21.31	21.19	22.00
1.4	64QAM	3	1	21.21	21.39	21.09	22.00
1.4	64QAM	3	3	21.09	21.22	21.02	22.00
1.4	64QAM	6	0	20.05	20.27	20.05	21.00
1.4	256QAM	1	0	18.23	18.36	18.17	19.00
1.4	256QAM	1	3	18.16	18.19	18.18	19.00
1.4	256QAM	1	5	18.25	18.28	18.12	19.00
1.4	256QAM	3	0	18.08	18.15	18.04	19.00
1.4	256QAM	3	1	18.21	18.22	18.09	19.00
1.4	256QAM	3	3	18.14	18.23	18.08	19.00
1.4	256QAM	6	0	18.18	18.19	18.11	19.00

【LTE Band 12_Ant 1_DSI 3】

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	20.10	20.15	20.11	21.70
10	QPSK	1	25	20.05	20.04	20.02	21.70
10	QPSK	1	49	20.02	20.11	20.06	21.70
10	QPSK	25	0	19.98	20.13	20.03	21.70
10	QPSK	25	12	20.04	20.10	20.04	21.70
10	QPSK	25	25	19.97	20.08	20.00	21.70
10	QPSK	50	0	20.06	20.07	19.99	21.70
10	16QAM	1	0	19.98	20.12	20.07	21.70
10	16QAM	1	25	19.99	20.04	20.01	21.70
10	16QAM	1	49	20.04	20.10	20.05	21.70
10	16QAM	25	0	19.96	20.00	19.99	21.70
10	16QAM	25	12	20.05	20.12	19.99	21.70
10	16QAM	25	25	20.00	20.02	19.99	21.70
10	16QAM	50	0	20.06	20.00	20.04	21.70
10	64QAM	1	0	20.01	20.09	19.97	21.70
10	64QAM	1	25	20.01	20.05	20.05	21.70
10	64QAM	1	49	19.95	20.08	20.07	21.70
10	64QAM	25	0	19.44	19.43	19.47	21.00
10	64QAM	25	12	19.46	19.44	19.39	21.00
10	64QAM	25	25	19.46	19.44	19.40	21.00
10	64QAM	50	0	19.46	19.48	19.46	21.00
10	256QAM	1	0	17.80	17.88	17.86	19.00
10	256QAM	1	25	17.76	17.83	17.88	19.00
10	256QAM	1	49	17.77	17.91	17.80	19.00
10	256QAM	25	0	17.85	17.88	17.84	19.00
10	256QAM	25	12	17.83	17.89	17.81	19.00
10	256QAM	25	25	17.75	17.87	17.80	19.00
10	256QAM	50	0	17.81	17.83	17.86	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	20.01	20.08	20.04	21.70
5	QPSK	1	12	19.94	19.92	19.98	21.70
5	QPSK	1	24	20.00	20.00	20.04	21.70
5	QPSK	12	0	19.84	20.06	19.94	21.70
5	QPSK	12	7	19.98	19.95	19.91	21.70
5	QPSK	12	13	19.83	20.00	19.95	21.70
5	QPSK	25	0	19.93	20.05	19.92	21.70



FCC SAR Test Report

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5	16QAM	1	0	19.96	20.07	19.93	21.70
5	16QAM	1	12	19.92	19.91	19.91	21.70
5	16QAM	1	24	19.93	19.97	19.92	21.70
5	16QAM	12	0	19.88	19.97	19.92	21.70
5	16QAM	12	7	20.04	20.00	19.93	21.70
5	16QAM	12	13	19.92	19.96	19.93	21.70
5	16QAM	25	0	19.94	19.96	19.96	21.70
5	64QAM	1	0	19.95	20.07	19.95	21.70
5	64QAM	1	12	19.88	19.91	20.01	21.70
5	64QAM	1	24	19.84	19.99	20.04	21.70
5	64QAM	12	0	19.32	19.40	19.37	21.00
5	64QAM	12	7	19.34	19.30	19.36	21.00
5	64QAM	12	13	19.31	19.39	19.39	21.00
5	64QAM	25	0	19.32	19.42	19.36	21.00
5	256QAM	1	0	17.72	17.79	17.77	19.00
5	256QAM	1	12	17.74	17.71	17.83	19.00
5	256QAM	1	24	17.69	17.85	17.68	19.00
5	256QAM	12	0	17.80	17.77	17.72	19.00
5	256QAM	12	7	17.69	17.80	17.80	19.00
5	256QAM	12	13	17.63	17.82	17.69	19.00
5	256QAM	25	0	17.67	17.75	17.73	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	19.98	20.07	20.00	21.70
3	QPSK	1	8	19.97	19.99	19.96	21.70
3	QPSK	1	14	19.95	20.02	20.04	21.70
3	QPSK	8	0	19.95	19.99	20.02	21.70
3	QPSK	8	4	19.96	19.99	19.99	21.70
3	QPSK	8	7	19.82	20.07	19.89	21.70
3	QPSK	15	0	19.94	19.94	19.87	21.70
3	16QAM	1	0	19.97	20.07	19.95	21.70
3	16QAM	1	8	19.89	20.00	19.86	21.70
3	16QAM	1	14	19.99	20.08	19.95	21.70
3	16QAM	8	0	19.89	19.89	19.88	21.70
3	16QAM	8	4	19.97	20.01	19.92	21.70
3	16QAM	8	7	19.90	20.00	19.85	21.70
3	16QAM	15	0	19.91	19.87	19.99	21.70
3	64QAM	1	0	19.89	19.97	19.94	21.70
3	64QAM	1	8	19.94	19.99	19.95	21.70
3	64QAM	1	14	19.81	19.94	20.05	21.70
3	64QAM	8	0	19.33	19.30	19.34	21.00
3	64QAM	8	4	19.33	19.35	19.37	21.00
3	64QAM	8	7	19.43	19.30	19.36	21.00
3	64QAM	15	0	19.42	19.37	19.41	21.00
3	256QAM	1	0	17.74	17.87	17.72	19.00
3	256QAM	1	8	17.63	17.79	17.77	19.00
3	256QAM	1	14	17.72	17.77	17.66	19.00
3	256QAM	8	0	17.73	17.82	17.77	19.00
3	256QAM	8	4	17.76	17.83	17.72	19.00
3	256QAM	8	7	17.60	17.81	17.66	19.00
3	256QAM	15	0	17.72	17.68	17.77	19.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	20.02	20.11	20.09	21.70
1.4	QPSK	1	3	19.99	19.93	19.94	21.70
1.4	QPSK	1	5	19.99	20.08	19.94	21.70
1.4	QPSK	3	0	19.89	20.06	20.01	21.70
1.4	QPSK	3	1	19.97	20.00	19.95	21.70
1.4	QPSK	3	3	19.95	20.05	19.93	21.70
1.4	QPSK	6	0	19.95	19.97	19.93	21.70
1.4	16QAM	1	0	19.84	20.08	20.02	21.70
1.4	16QAM	1	3	19.96	19.92	19.98	21.70
1.4	16QAM	1	5	19.89	20.01	20.00	21.70
1.4	16QAM	3	0	19.91	19.85	19.95	21.70
1.4	16QAM	3	1	19.98	20.09	19.84	21.70
1.4	16QAM	3	3	19.90	19.92	19.95	21.70
1.4	16QAM	6	0	20.04	19.98	19.89	21.70
1.4	64QAM	1	0	19.90	20.02	19.90	21.70
1.4	64QAM	1	3	19.94	20.01	20.03	21.70
1.4	64QAM	1	5	19.89	19.97	20.05	21.70
1.4	64QAM	3	0	20.09	20.02	20.07	21.70
1.4	64QAM	3	1	20.08	20.04	20.04	21.70
1.4	64QAM	3	3	20.03	20.00	19.98	21.70
1.4	64QAM	6	0	19.81	19.74	19.83	21.00
1.4	256QAM	1	0	18.16	18.23	18.13	19.00
1.4	256QAM	1	3	18.14	18.20	18.20	19.00
1.4	256QAM	1	5	18.04	18.27	18.17	19.00
1.4	256QAM	3	0	18.24	18.14	18.11	19.00



1.4	256QAM	3	1	18.17	18.23	18.11	19.00
1.4	256QAM	3	3	18.13	18.22	18.08	19.00
1.4	256QAM	6	0	18.18	18.10	18.15	19.00

【LTE Band 12_Ant 1_DSI 4】

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	20.10	20.15	20.11	21.70
10	QPSK	1	25	20.05	20.04	20.02	21.70
10	QPSK	1	49	20.02	20.11	20.06	21.70
10	QPSK	25	0	19.98	20.13	20.03	21.70
10	QPSK	25	12	20.04	20.10	20.04	21.70
10	QPSK	25	25	19.97	20.08	20.00	21.70
10	QPSK	50	0	20.06	20.07	19.99	21.70
10	16QAM	1	0	19.98	20.12	20.07	21.70
10	16QAM	1	25	19.99	20.04	20.01	21.70
10	16QAM	1	49	20.04	20.10	20.05	21.70
10	16QAM	25	0	19.96	20.00	19.99	21.70
10	16QAM	25	12	20.05	20.12	19.99	21.70
10	16QAM	25	25	20.00	20.02	19.99	21.70
10	16QAM	50	0	20.06	20.00	20.04	21.70
10	64QAM	1	0	20.01	20.09	19.97	21.70
10	64QAM	1	25	20.01	20.05	20.05	21.70
10	64QAM	1	49	19.95	20.08	20.07	21.70
10	64QAM	25	0	19.44	19.43	19.47	21.00
10	64QAM	25	12	19.46	19.44	19.39	21.00
10	64QAM	25	25	19.46	19.44	19.40	21.00
10	64QAM	50	0	19.46	19.48	19.46	21.00
10	256QAM	1	0	17.80	17.88	17.86	19.00
10	256QAM	1	25	17.76	17.83	17.88	19.00
10	256QAM	1	49	17.77	17.91	17.80	19.00
10	256QAM	25	0	17.85	17.88	17.84	19.00
10	256QAM	25	12	17.83	17.89	17.81	19.00
10	256QAM	25	25	17.75	17.87	17.80	19.00
10	256QAM	50	0	17.81	17.83	17.86	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	20.01	20.08	20.04	21.70
5	QPSK	1	12	19.94	19.92	19.98	21.70
5	QPSK	1	24	20.00	20.00	20.04	21.70
5	QPSK	12	0	19.84	20.06	19.94	21.70
5	QPSK	12	7	19.98	19.95	19.91	21.70
5	QPSK	12	13	19.83	20.00	19.95	21.70
5	QPSK	25	0	19.93	20.05	19.92	21.70
5	16QAM	1	0	19.96	20.07	19.93	21.70
5	16QAM	1	12	19.92	19.91	19.91	21.70
5	16QAM	1	24	19.93	19.97	19.92	21.70
5	16QAM	12	0	19.88	19.97	19.92	21.70
5	16QAM	12	7	20.04	20.00	19.93	21.70
5	16QAM	12	13	19.92	19.96	19.93	21.70
5	16QAM	25	0	19.94	19.96	19.96	21.70
5	64QAM	1	0	19.95	20.07	19.95	21.70
5	64QAM	1	12	19.88	19.91	20.01	21.70
5	64QAM	1	24	19.84	19.99	20.04	21.70
5	64QAM	12	0	19.32	19.40	19.37	21.00
5	64QAM	12	7	19.34	19.30	19.36	21.00
5	64QAM	12	13	19.31	19.39	19.39	21.00
5	64QAM	25	0	19.32	19.42	19.36	21.00
5	256QAM	1	0	17.72	17.79	17.77	19.00
5	256QAM	1	12	17.74	17.71	17.83	19.00
5	256QAM	1	24	17.69	17.85	17.68	19.00
5	256QAM	12	0	17.80	17.77	17.72	19.00
5	256QAM	12	7	17.69	17.80	17.80	19.00
5	256QAM	12	13	17.63	17.82	17.69	19.00
5	256QAM	25	0	17.67	17.75	17.73	19.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	19.98	20.07	20.00	21.70
3	QPSK	1	8	19.97	19.99	19.96	21.70
3	QPSK	1	14	19.95	20.02	20.04	21.70

3	QPSK	8	0	19.95	19.99	20.02	21.70
3	QPSK	8	4	19.96	19.99	19.99	21.70
3	QPSK	8	7	19.82	20.07	19.89	21.70
3	QPSK	15	0	19.94	19.94	19.87	21.70
3	16QAM	1	0	19.97	20.07	19.95	21.70
3	16QAM	1	8	19.89	20.00	19.86	21.70
3	16QAM	1	14	19.99	20.08	19.95	21.70
3	16QAM	8	0	19.89	19.89	19.88	21.70
3	16QAM	8	4	19.97	20.01	19.92	21.70
3	16QAM	8	7	19.90	20.00	19.85	21.70
3	16QAM	15	0	19.91	19.87	19.99	21.70
3	64QAM	1	0	19.89	19.97	19.94	21.70
3	64QAM	1	8	19.94	19.99	19.95	21.70
3	64QAM	1	14	19.81	19.94	20.05	21.70
3	64QAM	8	0	19.33	19.30	19.34	21.00
3	64QAM	8	4	19.33	19.35	19.37	21.00
3	64QAM	8	7	19.43	19.30	19.36	21.00
3	64QAM	15	0	19.42	19.37	19.41	21.00
3	256QAM	1	0	17.74	17.87	17.72	19.00
3	256QAM	1	8	17.63	17.79	17.77	19.00
3	256QAM	1	14	17.72	17.77	17.66	19.00
3	256QAM	8	0	17.73	17.82	17.77	19.00
3	256QAM	8	4	17.76	17.83	17.72	19.00
3	256QAM	8	7	17.60	17.81	17.66	19.00
3	256QAM	15	0	17.72	17.68	17.77	19.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	20.02	20.11	20.09	21.70
1.4	QPSK	1	3	19.99	19.93	19.94	21.70
1.4	QPSK	1	5	19.99	20.08	19.94	21.70
1.4	QPSK	3	0	19.89	20.06	20.01	21.70
1.4	QPSK	3	1	19.97	20.00	19.95	21.70
1.4	QPSK	3	3	19.95	20.05	19.93	21.70
1.4	QPSK	6	0	19.95	19.97	19.93	21.70
1.4	16QAM	1	0	19.84	20.08	20.02	21.70
1.4	16QAM	1	3	19.96	19.92	19.98	21.70
1.4	16QAM	1	5	19.89	20.01	20.00	21.70
1.4	16QAM	3	0	19.91	19.85	19.95	21.70
1.4	16QAM	3	1	19.98	20.09	19.84	21.70
1.4	16QAM	3	3	19.90	19.92	19.95	21.70
1.4	16QAM	6	0	20.04	19.98	19.89	21.70
1.4	64QAM	1	0	19.90	20.02	19.90	21.70
1.4	64QAM	1	3	19.94	20.01	20.03	21.70
1.4	64QAM	1	5	19.89	19.97	20.05	21.70
1.4	64QAM	3	0	20.09	20.02	20.07	21.70
1.4	64QAM	3	1	20.08	20.04	20.04	21.70
1.4	64QAM	3	3	20.03	20.00	19.98	21.70
1.4	64QAM	6	0	19.81	19.74	19.83	21.40
1.4	256QAM	1	0	18.16	18.23	18.13	19.40
1.4	256QAM	1	3	18.14	18.20	18.20	19.40
1.4	256QAM	1	5	18.04	18.27	18.17	19.40
1.4	256QAM	3	0	18.24	18.14	18.11	19.40
1.4	256QAM	3	1	18.17	18.23	18.11	19.40
1.4	256QAM	3	3	18.13	18.22	18.08	19.40
1.4	256QAM	6	0	18.18	18.10	18.15	19.40

【LTE Band 12_Ant 1_DSI 6】

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	20.10	20.15	20.11	21.70
10	QPSK	1	25	20.05	20.04	20.02	21.70
10	QPSK	1	49	20.02	20.11	20.06	21.70
10	QPSK	25	0	19.98	20.13	20.03	21.70
10	QPSK	25	12	20.04	20.10	20.04	21.70
10	QPSK	25	25	19.97	20.08	20.00	21.70
10	QPSK	50	0	20.06	20.07	19.99	21.70
10	16QAM	1	0	19.98	20.12	20.07	21.70
10	16QAM	1	25	19.99	20.04	20.01	21.70
10	16QAM	1	49	20.04	20.10	20.05	21.70
10	16QAM	25	0	19.96	20.00	19.99	21.70



10	16QAM	25	12	20.05	20.12	19.99	21.70
10	16QAM	25	25	20.00	20.02	19.99	21.70
10	16QAM	50	0	20.06	20.00	20.04	21.70
10	64QAM	1	0	20.01	20.09	19.97	21.70
10	64QAM	1	25	20.01	20.05	20.05	21.70
10	64QAM	1	49	19.95	20.08	20.07	21.70
10	64QAM	25	0	19.44	19.43	19.47	21.00
10	64QAM	25	12	19.46	19.44	19.39	21.00
10	64QAM	25	25	19.46	19.44	19.40	21.00
10	64QAM	50	0	19.46	19.48	19.46	21.00
10	256QAM	1	0	17.80	17.88	17.86	19.00
10	256QAM	1	25	17.76	17.83	17.88	19.00
10	256QAM	1	49	17.77	17.91	17.80	19.00
10	256QAM	25	0	17.85	17.88	17.84	19.00
10	256QAM	25	12	17.83	17.89	17.81	19.00
10	256QAM	25	25	17.75	17.87	17.80	19.00
10	256QAM	50	0	17.81	17.83	17.86	19.00
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	20.01	20.08	20.04	21.70
5	QPSK	1	12	19.94	19.92	19.98	21.70
5	QPSK	1	24	20.00	20.00	20.04	21.70
5	QPSK	12	0	19.84	20.06	19.94	21.70
5	QPSK	12	7	19.98	19.95	19.91	21.70
5	QPSK	12	13	19.83	20.00	19.95	21.70
5	QPSK	25	0	19.93	20.05	19.92	21.70
5	16QAM	1	0	19.96	20.07	19.93	21.70
5	16QAM	1	12	19.92	19.91	19.91	21.70
5	16QAM	1	24	19.93	19.97	19.92	21.70
5	16QAM	12	0	19.88	19.97	19.92	21.70
5	16QAM	12	7	20.04	20.00	19.93	21.70
5	16QAM	12	13	19.92	19.96	19.93	21.70
5	16QAM	25	0	19.94	19.96	19.96	21.70
5	64QAM	1	0	19.95	20.07	19.95	21.70
5	64QAM	1	12	19.88	19.91	20.01	21.70
5	64QAM	1	24	19.84	19.99	20.04	21.70
5	64QAM	12	0	19.32	19.40	19.37	21.00
5	64QAM	12	7	19.34	19.30	19.36	21.00
5	64QAM	12	13	19.31	19.39	19.39	21.00
5	64QAM	25	0	19.32	19.42	19.36	21.00
5	256QAM	1	0	17.72	17.79	17.77	19.00
5	256QAM	1	12	17.74	17.71	17.83	19.00
5	256QAM	1	24	17.69	17.85	17.68	19.00
5	256QAM	12	0	17.80	17.77	17.72	19.00
5	256QAM	12	7	17.69	17.80	17.80	19.00
5	256QAM	12	13	17.63	17.82	17.69	19.00
5	256QAM	25	0	17.67	17.75	17.73	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	19.98	20.07	20.00	21.70
3	QPSK	1	8	19.97	19.99	19.96	21.70
3	QPSK	1	14	19.95	20.02	20.04	21.70
3	QPSK	8	0	19.95	19.99	20.02	21.70
3	QPSK	8	4	19.96	19.99	19.99	21.70
3	QPSK	8	7	19.82	20.07	19.89	21.70
3	QPSK	15	0	19.94	19.94	19.87	21.70
3	16QAM	1	0	19.97	20.07	19.95	21.70
3	16QAM	1	8	19.89	20.00	19.86	21.70
3	16QAM	1	14	19.99	20.08	19.95	21.70
3	16QAM	8	0	19.89	19.89	19.88	21.70
3	16QAM	8	4	19.97	20.01	19.92	21.70
3	16QAM	8	7	19.90	20.00	19.85	21.70
3	16QAM	15	0	19.91	19.87	19.99	21.70
3	64QAM	1	0	19.89	19.97	19.94	21.70
3	64QAM	1	8	19.94	19.99	19.95	21.70
3	64QAM	1	14	19.81	19.94	20.05	21.70
3	64QAM	8	0	19.33	19.30	19.34	21.00
3	64QAM	8	4	19.33	19.35	19.37	21.00
3	64QAM	8	7	19.43	19.30	19.36	21.00
3	64QAM	15	0	19.42	19.37	19.41	21.00
3	256QAM	1	0	17.74	17.87	17.72	19.00
3	256QAM	1	8	17.63	17.79	17.77	19.00
3	256QAM	1	14	17.72	17.77	17.66	19.00
3	256QAM	8	0	17.73	17.82	17.77	19.00
3	256QAM	8	4	17.76	17.83	17.72	19.00
3	256QAM	8	7	17.60	17.81	17.66	19.00
3	256QAM	15	0	17.72	17.68	17.77	19.00
Channel				23017	23095	23173	Tune-up limit



Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	20.02	20.11	20.09	21.70
1.4	QPSK	1	3	19.99	19.93	19.94	21.70
1.4	QPSK	1	5	19.99	20.08	19.94	21.70
1.4	QPSK	3	0	19.89	20.06	20.01	21.70
1.4	QPSK	3	1	19.97	20.00	19.95	21.70
1.4	QPSK	3	3	19.95	20.05	19.93	21.70
1.4	QPSK	6	0	19.95	19.97	19.93	21.70
1.4	16QAM	1	0	19.84	20.08	20.02	21.70
1.4	16QAM	1	3	19.96	19.92	19.98	21.70
1.4	16QAM	1	5	19.89	20.01	20.00	21.70
1.4	16QAM	3	0	19.91	19.85	19.95	21.70
1.4	16QAM	3	1	19.98	20.09	19.84	21.70
1.4	16QAM	3	3	19.90	19.92	19.95	21.70
1.4	16QAM	6	0	20.04	19.98	19.89	21.70
1.4	64QAM	1	0	19.90	20.02	19.90	21.70
1.4	64QAM	1	3	19.94	20.01	20.03	21.70
1.4	64QAM	1	5	19.89	19.97	20.05	21.70
1.4	64QAM	3	0	20.09	20.02	20.07	21.70
1.4	64QAM	3	1	20.08	20.04	20.04	21.70
1.4	64QAM	3	3	20.03	20.00	19.98	21.70
1.4	64QAM	6	0	19.81	19.74	19.83	21.00
1.4	256QAM	1	0	18.16	18.23	18.13	19.00
1.4	256QAM	1	3	18.14	18.20	18.20	19.00
1.4	256QAM	1	5	18.04	18.27	18.17	19.00
1.4	256QAM	3	0	18.24	18.14	18.11	19.00
1.4	256QAM	3	1	18.17	18.23	18.11	19.00
1.4	256QAM	3	3	18.13	18.22	18.08	19.00
1.4	256QAM	6	0	18.18	18.10	18.15	19.00

【LTE Band 12_Ant 1_DSI 7】

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	23.42	23.46	23.39	24.00
10	QPSK	1	25	23.01	23.16	22.95	24.00
10	QPSK	1	49	23.14	23.24	23.14	24.00
10	QPSK	25	0	22.43	22.52	22.48	23.00
10	QPSK	25	12	22.30	22.42	22.29	23.00
10	QPSK	25	25	22.21	22.38	22.24	23.00
10	QPSK	50	0	22.32	22.46	22.29	23.00
10	16QAM	1	0	22.38	22.45	22.25	23.00
10	16QAM	1	25	22.29	22.38	22.18	23.00
10	16QAM	1	49	22.14	22.26	22.08	23.00
10	16QAM	25	0	21.21	21.39	21.28	22.00
10	16QAM	25	12	21.17	21.35	21.23	22.00
10	16QAM	25	25	21.17	21.25	21.12	22.00
10	16QAM	50	0	21.18	21.30	21.10	22.00
10	64QAM	1	0	21.13	21.30	21.12	22.00
10	64QAM	1	25	21.30	21.43	21.29	22.00
10	64QAM	1	49	21.17	21.29	21.19	22.00
10	64QAM	25	0	20.24	20.39	20.27	21.00
10	64QAM	25	12	20.24	20.42	20.22	21.00
10	64QAM	25	25	20.18	20.24	20.09	21.00
10	64QAM	50	0	20.15	20.30	20.11	21.00
10	256QAM	1	0	18.26	18.37	18.26	19.00
10	256QAM	1	25	18.26	18.33	18.25	19.00
10	256QAM	1	49	18.30	18.38	18.18	19.00
10	256QAM	25	0	18.12	18.27	18.11	19.00
10	256QAM	25	12	18.24	18.36	18.24	19.00
10	256QAM	25	25	18.28	18.36	18.22	19.00
10	256QAM	50	0	18.19	18.33	18.17	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.39	23.44	23.34	24.00
5	QPSK	1	12	22.92	23.10	22.83	24.00
5	QPSK	1	24	23.09	23.23	22.99	24.00
5	QPSK	12	0	22.35	22.39	22.38	23.00
5	QPSK	12	7	22.18	22.36	22.19	23.00
5	QPSK	12	13	22.18	22.36	22.18	23.00
5	QPSK	25	0	22.31	22.42	22.20	23.00



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5	16QAM	1	0	22.32	22.39	22.14	23.00
5	16QAM	1	12	22.15	22.33	22.14	23.00
5	16QAM	1	24	22.06	22.13	22.04	23.00
5	16QAM	12	0	21.13	21.34	21.14	22.00
5	16QAM	12	7	21.10	21.21	21.14	22.00
5	16QAM	12	13	21.15	21.23	21.01	22.00
5	16QAM	25	0	21.12	21.18	21.07	22.00
5	64QAM	1	0	21.08	21.22	21.05	22.00
5	64QAM	1	12	21.26	21.35	21.19	22.00
5	64QAM	1	24	21.12	21.15	21.11	22.00
5	64QAM	12	0	20.10	20.27	20.20	21.00
5	64QAM	12	7	20.13	20.31	20.18	21.00
5	64QAM	12	13	20.16	20.18	20.01	21.00
5	64QAM	25	0	20.13	20.28	20.04	21.00
5	256QAM	1	0	18.18	18.32	18.24	19.00
5	256QAM	1	12	18.25	18.25	18.16	19.00
5	256QAM	1	24	18.16	18.30	18.11	19.00
5	256QAM	12	0	18.03	18.17	18.10	19.00
5	256QAM	12	7	18.11	18.35	18.14	19.00
5	256QAM	12	13	18.20	18.22	18.21	19.00
5	256QAM	25	0	18.13	18.23	18.04	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	23.28	23.45	23.25	24.00
3	QPSK	1	8	22.94	23.12	22.91	24.00
3	QPSK	1	14	23.05	23.14	23.12	24.00
3	QPSK	8	0	22.42	22.48	22.40	23.00
3	QPSK	8	4	22.19	22.33	22.22	23.00
3	QPSK	8	7	22.09	22.28	22.18	23.00
3	QPSK	15	0	22.30	22.38	22.16	23.00
3	16QAM	1	0	22.28	22.37	22.14	23.00
3	16QAM	1	8	22.19	22.30	22.09	23.00
3	16QAM	1	14	22.07	22.22	22.05	23.00
3	16QAM	8	0	21.19	21.38	21.19	22.00
3	16QAM	8	4	21.03	21.34	21.19	22.00
3	16QAM	8	7	21.08	21.13	21.01	22.00
3	16QAM	15	0	21.05	21.15	21.00	22.00
3	64QAM	1	0	20.99	21.25	21.03	22.00
3	64QAM	1	8	21.24	21.29	21.21	22.00
3	64QAM	1	14	21.14	21.15	21.11	22.00
3	64QAM	8	0	20.15	20.35	20.15	21.00
3	64QAM	8	4	20.23	20.33	20.11	21.00
3	64QAM	8	7	20.14	20.16	19.98	21.00
3	64QAM	15	0	20.13	20.26	20.03	21.00
3	256QAM	1	0	18.24	18.22	18.23	19.00
3	256QAM	1	8	18.21	18.22	18.12	19.00
3	256QAM	1	14	18.27	18.34	18.12	19.00
3	256QAM	8	0	18.05	18.22	18.06	19.00
3	256QAM	8	4	18.11	18.25	18.17	19.00
3	256QAM	8	7	18.20	18.24	18.09	19.00
3	256QAM	15	0	18.05	18.28	18.03	19.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	23.33	23.37	23.31	24.00
1.4	QPSK	1	3	22.89	23.07	22.88	24.00
1.4	QPSK	1	5	23.12	23.21	23.02	24.00
1.4	QPSK	3	0	23.35	23.49	23.45	24.00
1.4	QPSK	3	1	23.23	23.31	23.28	24.00
1.4	QPSK	3	3	23.11	23.26	23.10	24.00
1.4	QPSK	6	0	22.17	22.44	22.15	23.00
1.4	16QAM	1	0	22.33	22.43	22.22	23.00
1.4	16QAM	1	3	22.26	22.35	22.07	23.00
1.4	16QAM	1	5	22.07	22.11	21.97	23.00
1.4	16QAM	3	0	22.12	22.35	22.18	23.00
1.4	16QAM	3	1	22.10	22.31	22.14	23.00
1.4	16QAM	3	3	22.04	22.17	21.99	23.00
1.4	16QAM	6	0	21.09	21.24	20.98	22.00
1.4	64QAM	1	0	21.00	21.25	21.09	22.00
1.4	64QAM	1	3	21.17	21.41	21.26	22.00
1.4	64QAM	1	5	21.08	21.21	21.12	22.00
1.4	64QAM	3	0	21.14	21.31	21.19	22.00
1.4	64QAM	3	1	21.21	21.39	21.09	22.00
1.4	64QAM	3	3	21.09	21.22	21.02	22.00
1.4	64QAM	6	0	20.05	20.27	20.05	21.00
1.4	256QAM	1	0	18.23	18.36	18.17	19.00
1.4	256QAM	1	3	18.16	18.19	18.18	19.00
1.4	256QAM	1	5	18.25	18.28	18.12	19.00
1.4	256QAM	3	0	18.08	18.15	18.04	19.00



1.4	256QAM	3	1	18.21	18.22	18.09	19.00
1.4	256QAM	3	3	18.14	18.23	18.08	19.00
1.4	256QAM	6	0	18.18	18.19	18.11	19.00

【LTE Band 12_Ant 1_DSI 12】

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	20.10	20.15	20.11	21.70
10	QPSK	1	25	20.05	20.04	20.02	21.70
10	QPSK	1	49	20.02	20.11	20.06	21.70
10	QPSK	25	0	19.98	20.13	20.03	21.70
10	QPSK	25	12	20.04	20.10	20.04	21.70
10	QPSK	25	25	19.97	20.08	20.00	21.70
10	QPSK	50	0	20.06	20.07	19.99	21.70
10	16QAM	1	0	19.98	20.12	20.07	21.70
10	16QAM	1	25	19.99	20.04	20.01	21.70
10	16QAM	1	49	20.04	20.10	20.05	21.70
10	16QAM	25	0	19.96	20.00	19.99	21.70
10	16QAM	25	12	20.05	20.12	19.99	21.70
10	16QAM	25	25	20.00	20.02	19.99	21.70
10	16QAM	50	0	20.06	20.00	20.04	21.70
10	64QAM	1	0	20.01	20.09	19.97	21.70
10	64QAM	1	25	20.01	20.05	20.05	21.70
10	64QAM	1	49	19.95	20.08	20.07	21.70
10	64QAM	25	0	19.44	19.43	19.47	21.00
10	64QAM	25	12	19.46	19.44	19.39	21.00
10	64QAM	25	25	19.46	19.44	19.40	21.00
10	64QAM	50	0	19.46	19.48	19.46	21.00
10	256QAM	1	0	17.80	17.88	17.86	19.00
10	256QAM	1	25	17.76	17.83	17.88	19.00
10	256QAM	1	49	17.77	17.91	17.80	19.00
10	256QAM	25	0	17.85	17.88	17.84	19.00
10	256QAM	25	12	17.83	17.89	17.81	19.00
10	256QAM	25	25	17.75	17.87	17.80	19.00
10	256QAM	50	0	17.81	17.83	17.86	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	20.01	20.08	20.04	21.70
5	QPSK	1	12	19.94	19.92	19.98	21.70
5	QPSK	1	24	20.00	20.00	20.04	21.70
5	QPSK	12	0	19.84	20.06	19.94	21.70
5	QPSK	12	7	19.98	19.95	19.91	21.70
5	QPSK	12	13	19.83	20.00	19.95	21.70
5	QPSK	25	0	19.93	20.05	19.92	21.70
5	16QAM	1	0	19.96	20.07	19.93	21.70
5	16QAM	1	12	19.92	19.91	19.91	21.70
5	16QAM	1	24	19.93	19.97	19.92	21.70
5	16QAM	12	0	19.88	19.97	19.92	21.70
5	16QAM	12	7	20.04	20.00	19.93	21.70
5	16QAM	12	13	19.92	19.96	19.93	21.70
5	16QAM	25	0	19.94	19.96	19.96	21.70
5	64QAM	1	0	19.95	20.07	19.95	21.70
5	64QAM	1	12	19.88	19.91	20.01	21.70
5	64QAM	1	24	19.84	19.99	20.04	21.70
5	64QAM	12	0	19.32	19.40	19.37	21.00
5	64QAM	12	7	19.34	19.30	19.36	21.00
5	64QAM	12	13	19.31	19.39	19.39	21.00
5	64QAM	25	0	19.32	19.42	19.36	21.00
5	256QAM	1	0	17.72	17.79	17.77	19.00
5	256QAM	1	12	17.74	17.71	17.83	19.00
5	256QAM	1	24	17.69	17.85	17.68	19.00
5	256QAM	12	0	17.80	17.77	17.72	19.00
5	256QAM	12	7	17.69	17.80	17.80	19.00
5	256QAM	12	13	17.63	17.82	17.69	19.00
5	256QAM	25	0	17.67	17.75	17.73	19.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	19.98	20.07	20.00	21.70
3	QPSK	1	8	19.97	19.99	19.96	21.70
3	QPSK	1	14	19.95	20.02	20.04	21.70



3	QPSK	8	0	19.95	19.99	20.02	21.70
3	QPSK	8	4	19.96	19.99	19.99	21.70
3	QPSK	8	7	19.82	20.07	19.89	21.70
3	QPSK	15	0	19.94	19.94	19.87	21.70
3	16QAM	1	0	19.97	20.07	19.95	21.70
3	16QAM	1	8	19.89	20.00	19.86	21.70
3	16QAM	1	14	19.99	20.08	19.95	21.70
3	16QAM	8	0	19.89	19.89	19.88	21.70
3	16QAM	8	4	19.97	20.01	19.92	21.70
3	16QAM	8	7	19.90	20.00	19.85	21.70
3	16QAM	15	0	19.91	19.87	19.99	21.70
3	64QAM	1	0	19.89	19.97	19.94	21.70
3	64QAM	1	8	19.94	19.99	19.95	21.70
3	64QAM	1	14	19.81	19.94	20.05	21.70
3	64QAM	8	0	19.33	19.30	19.34	21.00
3	64QAM	8	4	19.33	19.35	19.37	21.00
3	64QAM	8	7	19.43	19.30	19.36	21.00
3	64QAM	15	0	19.42	19.37	19.41	21.00
3	256QAM	1	0	17.74	17.87	17.72	19.00
3	256QAM	1	8	17.63	17.79	17.77	19.00
3	256QAM	1	14	17.72	17.77	17.66	19.00
3	256QAM	8	0	17.73	17.82	17.77	19.00
3	256QAM	8	4	17.76	17.83	17.72	19.00
3	256QAM	8	7	17.60	17.81	17.66	19.00
3	256QAM	15	0	17.72	17.68	17.77	19.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	20.02	20.11	20.09	21.70
1.4	QPSK	1	3	19.99	19.93	19.94	21.70
1.4	QPSK	1	5	19.99	20.08	19.94	21.70
1.4	QPSK	3	0	19.89	20.06	20.01	21.70
1.4	QPSK	3	1	19.97	20.00	19.95	21.70
1.4	QPSK	3	3	19.95	20.05	19.93	21.70
1.4	QPSK	6	0	19.95	19.97	19.93	21.70
1.4	16QAM	1	0	19.84	20.08	20.02	21.70
1.4	16QAM	1	3	19.96	19.92	19.98	21.70
1.4	16QAM	1	5	19.89	20.01	20.00	21.70
1.4	16QAM	3	0	19.91	19.85	19.95	21.70
1.4	16QAM	3	1	19.98	20.09	19.84	21.70
1.4	16QAM	3	3	19.90	19.92	19.95	21.70
1.4	16QAM	6	0	20.04	19.98	19.89	21.70
1.4	64QAM	1	0	19.90	20.02	19.90	21.70
1.4	64QAM	1	3	19.94	20.01	20.03	21.70
1.4	64QAM	1	5	19.89	19.97	20.05	21.70
1.4	64QAM	3	0	20.09	20.02	20.07	21.70
1.4	64QAM	3	1	20.08	20.04	20.04	21.70
1.4	64QAM	3	3	20.03	20.00	19.98	21.70
1.4	64QAM	6	0	19.81	19.74	19.83	21.40
1.4	256QAM	1	0	18.16	18.23	18.13	19.40
1.4	256QAM	1	3	18.14	18.20	18.20	19.40
1.4	256QAM	1	5	18.04	18.27	18.17	19.40
1.4	256QAM	3	0	18.24	18.14	18.11	19.40
1.4	256QAM	3	1	18.17	18.23	18.11	19.40
1.4	256QAM	3	3	18.13	18.22	18.08	19.40
1.4	256QAM	6	0	18.18	18.10	18.15	19.40

【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		23.27		24.00
10	QPSK	1	25		23.15		24.00
10	QPSK	1	49		23.26		24.00
10	QPSK	25	0		22.27		23.00
10	QPSK	25	12		22.21		23.00
10	QPSK	25	25		22.25		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.55		23.00
10	16QAM	1	25		22.42		23.00
10	16QAM	1	49		22.44		23.00
10	16QAM	25	0		21.30		22.00



10	16QAM	25	12		21.26		22.00
10	16QAM	25	25		21.26		22.00
10	16QAM	50	0		21.25		22.00
10	64QAM	1	0		21.49		22.00
10	64QAM	1	25		21.30		22.00
10	64QAM	1	49		21.45		22.00
10	64QAM	25	0		20.33		21.00
10	64QAM	25	12		20.24		21.00
10	64QAM	25	25		20.33		21.00
10	64QAM	50	0		20.24		21.00
10	256QAM	1	0		18.28		19.00
10	256QAM	1	25		18.48		19.00
10	256QAM	1	49		18.29		19.00
10	256QAM	25	0		18.28		19.00
10	256QAM	25	12		18.24		19.00
10	256QAM	25	25		18.26		19.00
10	256QAM	50	0		18.21		19.00
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.06	23.03	22.98	24.00
5	QPSK	1	12	23.00	22.99	22.84	24.00
5	QPSK	1	24	23.14	23.24	23.17	24.00
5	QPSK	12	0	22.22	22.21	22.12	23.00
5	QPSK	12	7	22.16	22.17	21.99	23.00
5	QPSK	12	13	22.03	22.04	21.94	23.00
5	QPSK	25	0	21.99	22.02	21.92	23.00
5	16QAM	1	0	22.24	22.33	22.15	23.00
5	16QAM	1	12	22.24	22.30	22.12	23.00
5	16QAM	1	24	22.33	22.33	22.14	23.00
5	16QAM	12	0	21.07	21.10	20.98	22.00
5	16QAM	12	7	21.20	21.18	21.12	22.00
5	16QAM	12	13	21.00	21.06	20.95	22.00
5	16QAM	25	0	21.14	21.21	21.08	22.00
5	64QAM	1	0	21.34	21.41	21.35	22.00
5	64QAM	1	12	21.19	21.26	21.07	22.00
5	64QAM	1	24	21.25	21.32	21.16	22.00
5	64QAM	12	0	20.28	20.30	20.20	21.00
5	64QAM	12	7	20.17	20.20	20.14	21.00
5	64QAM	12	13	20.15	20.15	20.00	21.00
5	64QAM	25	0	20.16	20.16	19.99	21.00
5	256QAM	1	0	18.04	18.12	17.98	19.00
5	256QAM	1	12	18.44	18.44	18.30	19.00
5	256QAM	1	24	18.22	18.22	18.16	19.00
5	256QAM	12	0	18.00	18.09	17.97	19.00
5	256QAM	12	7	18.05	18.04	17.90	19.00
5	256QAM	12	13	18.15	18.21	18.14	19.00
5	256QAM	25	0	17.91	18.02	17.88	19.00

【LTE Band 13_Ant 0_DSI 2】

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		23.27		24.00
10	QPSK	1	25		23.15		24.00
10	QPSK	1	49		23.26		24.00
10	QPSK	25	0		22.27		23.00
10	QPSK	25	12		22.21		23.00
10	QPSK	25	25		22.25		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.55		23.00
10	16QAM	1	25		22.42		23.00
10	16QAM	1	49		22.44		23.00
10	16QAM	25	0		21.30		22.00
10	16QAM	25	12		21.26		22.00
10	16QAM	25	25		21.26		22.00
10	16QAM	50	0		21.25		22.00
10	64QAM	1	0		21.49		22.00
10	64QAM	1	25		21.30		22.00
10	64QAM	1	49		21.45		22.00
10	64QAM	25	0		20.33		21.00
10	64QAM	25	12		20.24		21.00



10	64QAM	25	25		20.33		21.00
10	64QAM	50	0		20.24		21.00
10	256QAM	1	0		18.28		19.00
10	256QAM	1	25		18.48		19.00
10	256QAM	1	49		18.29		19.00
10	256QAM	25	0		18.28		19.00
10	256QAM	25	12		18.24		19.00
10	256QAM	25	25		18.26		19.00
10	256QAM	50	0		18.21		19.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	23.06	23.03	22.98	24.00
5	QPSK	1	12	23.00	22.99	22.84	24.00
5	QPSK	1	24	23.14	23.24	23.17	24.00
5	QPSK	12	0	22.22	22.21	22.12	23.00
5	QPSK	12	7	22.16	22.17	21.99	23.00
5	QPSK	12	13	22.03	22.04	21.94	23.00
5	QPSK	25	0	21.99	22.02	21.92	23.00
5	16QAM	1	0	22.24	22.33	22.15	23.00
5	16QAM	1	12	22.24	22.30	22.12	23.00
5	16QAM	1	24	22.33	22.33	22.14	23.00
5	16QAM	12	0	21.07	21.10	20.98	22.00
5	16QAM	12	7	21.20	21.18	21.12	22.00
5	16QAM	12	13	21.00	21.06	20.95	22.00
5	16QAM	25	0	21.14	21.21	21.08	22.00
5	64QAM	1	0	21.34	21.41	21.35	22.00
5	64QAM	1	12	21.19	21.26	21.07	22.00
5	64QAM	1	24	21.25	21.32	21.16	22.00
5	64QAM	12	0	20.28	20.30	20.20	21.00
5	64QAM	12	7	20.17	20.20	20.14	21.00
5	64QAM	12	13	20.15	20.15	20.00	21.00
5	64QAM	25	0	20.16	20.16	19.99	21.00
5	256QAM	1	0	18.04	18.12	17.98	19.00
5	256QAM	1	12	18.44	18.44	18.30	19.00
5	256QAM	1	24	18.22	18.22	18.16	19.00
5	256QAM	12	0	18.00	18.09	17.97	19.00
5	256QAM	12	7	18.05	18.04	17.90	19.00
5	256QAM	12	13	18.15	18.21	18.14	19.00
5	256QAM	25	0	17.91	18.02	17.88	19.00

【LTE Band 13_Ant 0_DSI 3】

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		23.27		24.00
10	QPSK	1	25		23.15		24.00
10	QPSK	1	49		23.26		24.00
10	QPSK	25	0		22.27		23.00
10	QPSK	25	12		22.21		23.00
10	QPSK	25	25		22.25		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.55		23.00
10	16QAM	1	25		22.42		23.00
10	16QAM	1	49		22.44		23.00
10	16QAM	25	0		21.30		22.00
10	16QAM	25	12		21.26		22.00
10	16QAM	25	25		21.26		22.00
10	16QAM	50	0		21.25		22.00
10	64QAM	1	0		21.49		22.00
10	64QAM	1	25		21.30		22.00
10	64QAM	1	49		21.45		22.00
10	64QAM	25	0		20.33		21.00
10	64QAM	25	12		20.24		21.00
10	64QAM	25	25		20.33		21.00
10	64QAM	50	0		20.24		21.00
10	256QAM	1	0		18.28		19.00
10	256QAM	1	25		18.48		19.00
10	256QAM	1	49		18.29		19.00
10	256QAM	25	0		18.28		19.00
10	256QAM	25	12		18.24		19.00
10	256QAM	25	25		18.26		19.00



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10	256QAM	50	0		18.21		19.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	23.06	23.03	22.98	24.00
5	QPSK	1	12	23.00	22.99	22.84	24.00
5	QPSK	1	24	23.14	23.24	23.17	24.00
5	QPSK	12	0	22.22	22.21	22.12	23.00
5	QPSK	12	7	22.16	22.17	21.99	23.00
5	QPSK	12	13	22.03	22.04	21.94	23.00
5	QPSK	25	0	21.99	22.02	21.92	23.00
5	16QAM	1	0	22.24	22.33	22.15	23.00
5	16QAM	1	12	22.24	22.30	22.12	23.00
5	16QAM	1	24	22.33	22.33	22.14	23.00
5	16QAM	12	0	21.07	21.10	20.98	22.00
5	16QAM	12	7	21.20	21.18	21.12	22.00
5	16QAM	12	13	21.00	21.06	20.95	22.00
5	16QAM	25	0	21.14	21.21	21.08	22.00
5	64QAM	1	0	21.34	21.41	21.35	22.00
5	64QAM	1	12	21.19	21.26	21.07	22.00
5	64QAM	1	24	21.25	21.32	21.16	22.00
5	64QAM	12	0	20.28	20.30	20.20	21.00
5	64QAM	12	7	20.17	20.20	20.14	21.00
5	64QAM	12	13	20.15	20.15	20.00	21.00
5	64QAM	25	0	20.16	20.16	19.99	21.00
5	256QAM	1	0	18.04	18.12	17.98	19.00
5	256QAM	1	12	18.44	18.44	18.30	19.00
5	256QAM	1	24	18.22	18.22	18.16	19.00
5	256QAM	12	0	18.00	18.09	17.97	19.00
5	256QAM	12	7	18.05	18.04	17.90	19.00
5	256QAM	12	13	18.15	18.21	18.14	19.00
5	256QAM	25	0	17.91	18.02	17.88	19.00

【LTE Band 13_Ant 0_DSI 4】

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		23.27		24.00
10	QPSK	1	25		23.15		24.00
10	QPSK	1	49		23.26		24.00
10	QPSK	25	0		22.27		23.00
10	QPSK	25	12		22.21		23.00
10	QPSK	25	25		22.25		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.55		23.00
10	16QAM	1	25		22.42		23.00
10	16QAM	1	49		22.44		23.00
10	16QAM	25	0		21.30		22.00
10	16QAM	25	12		21.26		22.00
10	16QAM	25	25		21.26		22.00
10	16QAM	50	0		21.25		22.00
10	64QAM	1	0		21.49		22.00
10	64QAM	1	25		21.30		22.00
10	64QAM	1	49		21.45		22.00
10	64QAM	25	0		20.33		21.00
10	64QAM	25	12		20.24		21.00
10	64QAM	25	25		20.33		21.00
10	64QAM	50	0		20.24		21.00
10	256QAM	1	0		18.28		19.00
10	256QAM	1	25		18.48		19.00
10	256QAM	1	49		18.29		19.00
10	256QAM	25	0		18.28		19.00
10	256QAM	25	12		18.24		19.00
10	256QAM	25	25		18.26		19.00
10	256QAM	50	0		18.21		19.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	23.06	23.03	22.98	24.00
5	QPSK	1	12	23.00	22.99	22.84	24.00
5	QPSK	1	24	23.14	23.24	23.17	24.00
5	QPSK	12	0	22.22	22.21	22.12	23.00
5	QPSK	12	7	22.16	22.17	21.99	23.00



5	QPSK	12	13	22.03	22.04	21.94	23.00
5	QPSK	25	0	21.99	22.02	21.92	23.00
5	16QAM	1	0	22.24	22.33	22.15	23.00
5	16QAM	1	12	22.24	22.30	22.12	23.00
5	16QAM	1	24	22.33	22.33	22.14	23.00
5	16QAM	12	0	21.07	21.10	20.98	22.00
5	16QAM	12	7	21.20	21.18	21.12	22.00
5	16QAM	12	13	21.00	21.06	20.95	22.00
5	16QAM	25	0	21.14	21.21	21.08	22.00
5	64QAM	1	0	21.34	21.41	21.35	22.00
5	64QAM	1	12	21.19	21.26	21.07	22.00
5	64QAM	1	24	21.25	21.32	21.16	22.00
5	64QAM	12	0	20.28	20.30	20.20	21.00
5	64QAM	12	7	20.17	20.20	20.14	21.00
5	64QAM	12	13	20.15	20.15	20.00	21.00
5	64QAM	25	0	20.16	20.16	19.99	21.00
5	256QAM	1	0	18.04	18.12	17.98	19.00
5	256QAM	1	12	18.44	18.44	18.30	19.00
5	256QAM	1	24	18.22	18.22	18.16	19.00
5	256QAM	12	0	18.00	18.09	17.97	19.00
5	256QAM	12	7	18.05	18.04	17.90	19.00
5	256QAM	12	13	18.15	18.21	18.14	19.00
5	256QAM	25	0	17.91	18.02	17.88	19.00

【LTE Band 13_Ant 0_DSI 6】

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		23.27		24.00
10	QPSK	1	25		23.15		24.00
10	QPSK	1	49		23.26		24.00
10	QPSK	25	0		22.27		23.00
10	QPSK	25	12		22.21		23.00
10	QPSK	25	25		22.25		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.55		23.00
10	16QAM	1	25		22.42		23.00
10	16QAM	1	49		22.44		23.00
10	16QAM	25	0		21.30		22.00
10	16QAM	25	12		21.26		22.00
10	16QAM	25	25		21.26		22.00
10	16QAM	50	0		21.25		22.00
10	64QAM	1	0		21.49		22.00
10	64QAM	1	25		21.30		22.00
10	64QAM	1	49		21.45		22.00
10	64QAM	25	0		20.33		21.00
10	64QAM	25	12		20.24		21.00
10	64QAM	25	25		20.33		21.00
10	64QAM	50	0		20.24		21.00
10	256QAM	1	0		18.28		19.00
10	256QAM	1	25		18.48		19.00
10	256QAM	1	49		18.29		19.00
10	256QAM	25	0		18.28		19.00
10	256QAM	25	12		18.24		19.00
10	256QAM	25	25		18.26		19.00
10	256QAM	50	0		18.21		19.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	23.06	23.03	22.98	24.00
5	QPSK	1	12	23.00	22.99	22.84	24.00
5	QPSK	1	24	23.14	23.24	23.17	24.00
5	QPSK	12	0	22.22	22.21	22.12	23.00
5	QPSK	12	7	22.16	22.17	21.99	23.00
5	QPSK	12	13	22.03	22.04	21.94	23.00
5	QPSK	25	0	21.99	22.02	21.92	23.00
5	16QAM	1	0	22.24	22.33	22.15	23.00
5	16QAM	1	12	22.24	22.30	22.12	23.00
5	16QAM	1	24	22.33	22.33	22.14	23.00
5	16QAM	12	0	21.07	21.10	20.98	22.00
5	16QAM	12	7	21.20	21.18	21.12	22.00
5	16QAM	12	13	21.00	21.06	20.95	22.00



5	16QAM	25	0	21.14	21.21	21.08	22.00
5	64QAM	1	0	21.34	21.41	21.35	22.00
5	64QAM	1	12	21.19	21.26	21.07	22.00
5	64QAM	1	24	21.25	21.32	21.16	22.00
5	64QAM	12	0	20.28	20.30	20.20	21.00
5	64QAM	12	7	20.17	20.20	20.14	21.00
5	64QAM	12	13	20.15	20.15	20.00	21.00
5	64QAM	25	0	20.16	20.16	19.99	21.00
5	256QAM	1	0	18.04	18.12	17.98	19.00
5	256QAM	1	12	18.44	18.44	18.30	19.00
5	256QAM	1	24	18.22	18.22	18.16	19.00
5	256QAM	12	0	18.00	18.09	17.97	19.00
5	256QAM	12	7	18.05	18.04	17.90	19.00
5	256QAM	12	13	18.15	18.21	18.14	19.00
5	256QAM	25	0	17.91	18.02	17.88	19.00

【LTE Band 13_Ant 0_DSI 7】

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		23.27		24.00
10	QPSK	1	25		23.15		24.00
10	QPSK	1	49		23.26		24.00
10	QPSK	25	0		22.27		23.00
10	QPSK	25	12		22.21		23.00
10	QPSK	25	25		22.25		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.55		23.00
10	16QAM	1	25		22.42		23.00
10	16QAM	1	49		22.44		23.00
10	16QAM	25	0		21.30		22.00
10	16QAM	25	12		21.26		22.00
10	16QAM	25	25		21.26		22.00
10	16QAM	50	0		21.25		22.00
10	64QAM	1	0		21.49		22.00
10	64QAM	1	25		21.30		22.00
10	64QAM	1	49		21.45		22.00
10	64QAM	25	0		20.33		21.00
10	64QAM	25	12		20.24		21.00
10	64QAM	25	25		20.33		21.00
10	64QAM	50	0		20.24		21.00
10	256QAM	1	0		18.28		19.00
10	256QAM	1	25		18.48		19.00
10	256QAM	1	49		18.29		19.00
10	256QAM	25	0		18.28		19.00
10	256QAM	25	12		18.24		19.00
10	256QAM	25	25		18.26		19.00
10	256QAM	50	0		18.21		19.00
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	23.06	23.03	22.98	24.00
5	QPSK	1	12	23.00	22.99	22.84	24.00
5	QPSK	1	24	23.14	23.24	23.17	24.00
5	QPSK	12	0	22.22	22.21	22.12	23.00
5	QPSK	12	7	22.16	22.17	21.99	23.00
5	QPSK	12	13	22.03	22.04	21.94	23.00
5	QPSK	25	0	21.99	22.02	21.92	23.00
5	16QAM	1	0	22.24	22.33	22.15	23.00
5	16QAM	1	12	22.24	22.30	22.12	23.00
5	16QAM	1	24	22.33	22.33	22.14	23.00
5	16QAM	12	0	21.07	21.10	20.98	22.00
5	16QAM	12	7	21.20	21.18	21.12	22.00
5	16QAM	12	13	21.00	21.06	20.95	22.00
5	16QAM	25	0	21.14	21.21	21.08	22.00
5	64QAM	1	0	21.34	21.41	21.35	22.00
5	64QAM	1	12	21.19	21.26	21.07	22.00
5	64QAM	1	24	21.25	21.32	21.16	22.00
5	64QAM	12	0	20.28	20.30	20.20	21.00
5	64QAM	12	7	20.17	20.20	20.14	21.00
5	64QAM	12	13	20.15	20.15	20.00	21.00
5	64QAM	25	0	20.16	20.16	19.99	21.00



5	256QAM	1	0	18.04	18.12	17.98	19.00
5	256QAM	1	12	18.44	18.44	18.30	19.00
5	256QAM	1	24	18.22	18.22	18.16	19.00
5	256QAM	12	0	18.00	18.09	17.97	19.00
5	256QAM	12	7	18.05	18.04	17.90	19.00
5	256QAM	12	13	18.15	18.21	18.14	19.00
5	256QAM	25	0	17.91	18.02	17.88	19.00

【LTE Band 13_Ant 0_DSI 12】

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		19.55		20.80
10	QPSK	1	25		19.47		20.80
10	QPSK	1	49		19.45		20.80
10	QPSK	25	0		19.53		20.80
10	QPSK	25	12		19.51		20.80
10	QPSK	25	25		19.52		20.80
10	QPSK	50	0		19.48		20.80
10	16QAM	1	0		19.41		20.80
10	16QAM	1	25		19.49		20.80
10	16QAM	1	49		19.44		20.80
10	16QAM	25	0		19.42		20.80
10	16QAM	25	12		19.50		20.80
10	16QAM	25	25		19.51		20.80
10	16QAM	50	0		19.40		20.80
10	64QAM	1	0		19.48		20.80
10	64QAM	1	25		19.46		20.80
10	64QAM	1	49		19.44		20.80
10	64QAM	25	0		19.46		20.80
10	64QAM	25	12		19.47		20.80
10	64QAM	25	25		19.46		20.80
10	64QAM	50	0		19.45		20.80
10	256QAM	1	0		17.80		19.00
10	256QAM	1	25		17.70		19.00
10	256QAM	1	49		17.71		19.00
10	256QAM	25	0		17.74		19.00
10	256QAM	25	12		17.73		19.00
10	256QAM	25	25		17.77		19.00
10	256QAM	50	0		17.77		19.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	19.27	19.31	19.29	20.80
5	QPSK	1	12	19.33	19.37	19.38	20.80
5	QPSK	1	24	19.30	19.38	19.36	20.80
5	QPSK	12	0	19.28	19.33	19.35	20.80
5	QPSK	12	7	19.37	19.32	19.32	20.80
5	QPSK	12	13	19.33	19.35	19.34	20.80
5	QPSK	25	0	19.31	19.32	19.38	20.80
5	16QAM	1	0	19.30	19.32	19.38	20.80
5	16QAM	1	12	19.26	19.35	19.38	20.80
5	16QAM	1	24	19.37	19.39	19.34	20.80
5	16QAM	12	0	19.29	19.41	19.34	20.80
5	16QAM	12	7	19.28	19.33	19.29	20.80
5	16QAM	12	13	19.36	19.37	19.29	20.80
5	16QAM	25	0	19.33	19.30	19.39	20.80
5	64QAM	1	0	19.26	19.34	19.33	20.80
5	64QAM	1	12	19.34	19.32	19.30	20.80
5	64QAM	1	24	19.32	19.31	19.36	20.80
5	64QAM	12	0	19.30	19.34	19.33	20.80
5	64QAM	12	7	19.35	19.35	19.36	20.80
5	64QAM	12	13	19.36	19.31	19.40	20.80
5	64QAM	25	0	19.36	19.41	19.32	20.80
5	256QAM	1	0	17.74	17.79	17.71	19.00
5	256QAM	1	12	17.69	17.79	17.70	19.00
5	256QAM	1	24	17.72	17.76	17.68	19.00
5	256QAM	12	0	17.75	17.80	17.70	19.00
5	256QAM	12	7	17.73	17.81	17.75	19.00
5	256QAM	12	13	17.70	17.77	17.69	19.00
5	256QAM	25	0	17.67	17.74	17.78	19.00

【LTE Band 13_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					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.44		24.00
10	QPSK	1	25		23.22		24.00
10	QPSK	1	49		23.13		24.00
10	QPSK	25	0		22.43		23.00
10	QPSK	25	12		22.38		23.00
10	QPSK	25	25		22.41		23.00
10	QPSK	50	0		22.36		23.00
10	16QAM	1	0		22.40		23.00
10	16QAM	1	25		22.38		23.00
10	16QAM	1	49		22.34		23.00
10	16QAM	25	0		21.43		22.00
10	16QAM	25	12		21.37		22.00
10	16QAM	25	25		21.44		22.00
10	16QAM	50	0		21.37		22.00
10	64QAM	1	0		21.44		22.00
10	64QAM	1	25		21.37		22.00
10	64QAM	1	49		21.38		22.00
10	64QAM	25	0		20.41		21.00
10	64QAM	25	12		20.40		21.00
10	64QAM	25	25		20.34		21.00
10	64QAM	50	0		20.31		21.00
10	256QAM	1	0		18.36		19.00
10	256QAM	1	25		18.39		19.00
10	256QAM	1	49		18.37		19.00
10	256QAM	25	0		18.27		19.00
10	256QAM	25	12		18.36		19.00
10	256QAM	25	25		18.23		19.00
10	256QAM	50	0		18.28		19.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	23.16	23.24	23.20	24.00
5	QPSK	1	12	23.08	23.21	23.12	24.00
5	QPSK	1	24	22.94	23.04	22.90	24.00
5	QPSK	12	0	22.12	22.31	22.25	23.00
5	QPSK	12	7	22.21	22.34	22.20	23.00
5	QPSK	12	13	22.21	22.34	22.24	23.00
5	QPSK	25	0	21.96	22.11	22.00	23.00
5	16QAM	1	0	22.20	22.30	22.20	23.00
5	16QAM	1	12	22.20	22.34	22.26	23.00
5	16QAM	1	24	21.99	22.15	21.98	23.00
5	16QAM	12	0	21.23	21.42	21.28	22.00
5	16QAM	12	7	21.18	21.32	21.19	22.00
5	16QAM	12	13	21.25	21.40	21.34	22.00
5	16QAM	25	0	21.21	21.30	21.23	22.00
5	64QAM	1	0	21.15	21.33	21.16	22.00
5	64QAM	1	12	21.08	21.23	21.15	22.00
5	64QAM	1	24	20.95	21.17	21.03	22.00
5	64QAM	12	0	20.20	20.31	20.25	21.00
5	64QAM	12	7	20.27	20.41	20.30	21.00
5	64QAM	12	13	20.13	20.34	20.25	21.00
5	64QAM	25	0	20.06	20.15	20.02	21.00
5	256QAM	1	0	18.22	18.36	18.18	19.00
5	256QAM	1	12	18.15	18.29	18.19	19.00
5	256QAM	1	24	18.14	18.22	18.09	19.00
5	256QAM	12	0	18.11	18.20	18.10	19.00
5	256QAM	12	7	18.23	18.32	18.16	19.00
5	256QAM	12	13	18.11	18.22	18.06	19.00
5	256QAM	25	0	17.88	18.09	17.95	19.00

【LTE Band 13_Ant 1_DSI 2】

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		23.44		24.00
10	QPSK	1	25		23.22		24.00
10	QPSK	1	49		23.13		24.00
10	QPSK	25	0		22.43		23.00
10	QPSK	25	12		22.38		23.00
10	QPSK	25	25		22.41		23.00
10	QPSK	50	0		22.36		23.00
10	16QAM	1	0		22.40		23.00
10	16QAM	1	25		22.38		23.00
10	16QAM	1	49		22.34		23.00
10	16QAM	25	0		21.43		22.00
10	16QAM	25	12		21.37		22.00
10	16QAM	25	25		21.44		22.00
10	16QAM	50	0		21.37		22.00
10	64QAM	1	0		21.44		22.00
10	64QAM	1	25		21.37		22.00
10	64QAM	1	49		21.38		22.00
10	64QAM	25	0		20.41		21.00
10	64QAM	25	12		20.40		21.00
10	64QAM	25	25		20.34		21.00
10	64QAM	50	0		20.31		21.00
10	256QAM	1	0		18.36		19.00
10	256QAM	1	25		18.39		19.00
10	256QAM	1	49		18.37		19.00
10	256QAM	25	0		18.27		19.00
10	256QAM	25	12		18.36		19.00
10	256QAM	25	25		18.23		19.00
10	256QAM	50	0		18.28		19.00
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	23.16	23.24	23.20	24.00
5	QPSK	1	12	23.08	23.21	23.12	24.00
5	QPSK	1	24	22.94	23.04	22.90	24.00
5	QPSK	12	0	22.12	22.31	22.25	23.00
5	QPSK	12	7	22.21	22.34	22.20	23.00
5	QPSK	12	13	22.21	22.34	22.24	23.00
5	QPSK	25	0	21.96	22.11	22.00	23.00
5	16QAM	1	0	22.20	22.30	22.20	23.00
5	16QAM	1	12	22.20	22.34	22.26	23.00
5	16QAM	1	24	21.99	22.15	21.98	23.00
5	16QAM	12	0	21.23	21.42	21.28	22.00
5	16QAM	12	7	21.18	21.32	21.19	22.00
5	16QAM	12	13	21.25	21.40	21.34	22.00
5	16QAM	25	0	21.21	21.30	21.23	22.00
5	64QAM	1	0	21.15	21.33	21.16	22.00
5	64QAM	1	12	21.08	21.23	21.15	22.00
5	64QAM	1	24	20.95	21.17	21.03	22.00
5	64QAM	12	0	20.20	20.31	20.25	21.00
5	64QAM	12	7	20.27	20.41	20.30	21.00
5	64QAM	12	13	20.13	20.34	20.25	21.00
5	64QAM	25	0	20.06	20.15	20.02	21.00
5	256QAM	1	0	18.22	18.36	18.18	19.00
5	256QAM	1	12	18.15	18.29	18.19	19.00
5	256QAM	1	24	18.14	18.22	18.09	19.00
5	256QAM	12	0	18.11	18.20	18.10	19.00
5	256QAM	12	7	18.23	18.32	18.16	19.00
5	256QAM	12	13	18.11	18.22	18.06	19.00
5	256QAM	25	0	17.88	18.09	17.95	19.00

**【LTE Band 13_Ant 1_DSI 3】**

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		20.18		21.40
10	QPSK	1	25		20.04		21.40
10	QPSK	1	49		20.12		21.40
10	QPSK	25	0		20.13		21.40
10	QPSK	25	12		20.11		21.40
10	QPSK	25	25		20.09		21.40
10	QPSK	50	0		20.05		21.40
10	16QAM	1	0		20.14		21.40
10	16QAM	1	25		20.08		21.40
10	16QAM	1	49		20.04		21.40
10	16QAM	25	0		20.13		21.40
10	16QAM	25	12		20.13		21.40
10	16QAM	25	25		20.12		21.40
10	16QAM	50	0		20.06		21.40
10	64QAM	1	0		20.11		21.40
10	64QAM	1	25		20.06		21.40
10	64QAM	1	49		20.08		21.40
10	64QAM	25	0		19.76		21.00
10	64QAM	25	12		19.75		21.00
10	64QAM	25	25		19.83		21.00
10	64QAM	50	0		19.80		21.00
10	256QAM	1	0		17.81		19.00
10	256QAM	1	25		17.79		19.00
10	256QAM	1	49		17.73		19.00
10	256QAM	25	0		17.74		19.00
10	256QAM	25	12		17.76		19.00
10	256QAM	25	25		17.75		19.00
10	256QAM	50	0		17.77		19.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	19.96	19.94	19.94	21.40
5	QPSK	1	12	19.97	20.02	20.04	21.40
5	QPSK	1	24	19.96	20.02	19.96	21.40
5	QPSK	12	0	19.95	20.02	19.97	21.40
5	QPSK	12	7	19.98	20.05	20.04	21.40
5	QPSK	12	13	19.96	20.00	20.04	21.40
5	QPSK	25	0	20.00	19.96	19.96	21.40
5	16QAM	1	0	19.94	20.01	19.94	21.40
5	16QAM	1	12	20.02	20.03	19.97	21.40
5	16QAM	1	24	19.93	19.98	20.01	21.40
5	16QAM	12	0	20.04	19.98	20.03	21.40
5	16QAM	12	7	19.98	20.03	20.05	21.40
5	16QAM	12	13	20.03	20.02	20.00	21.40
5	16QAM	25	0	20.01	19.97	19.99	21.40
5	64QAM	1	0	20.04	19.95	20.02	21.40
5	64QAM	1	12	20.05	20.04	20.03	21.40
5	64QAM	1	24	19.99	20.02	20.02	21.40
5	64QAM	12	0	19.77	19.84	19.83	21.00
5	64QAM	12	7	19.77	19.82	19.79	21.00
5	64QAM	12	13	19.84	19.75	19.81	21.00
5	64QAM	25	0	19.79	19.80	19.84	21.00
5	256QAM	1	0	18.18	18.18	18.15	19.00
5	256QAM	1	12	18.18	18.15	18.14	19.00
5	256QAM	1	24	18.18	18.22	18.19	19.00
5	256QAM	12	0	18.23	18.24	18.13	19.00
5	256QAM	12	7	18.18	18.25	18.14	19.00
5	256QAM	12	13	18.23	18.17	18.24	19.00
5	256QAM	25	0	18.23	18.18	18.22	19.00



【LTE Band 13_Ant 1_DSI 4】

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		20.18		21.40
10	QPSK	1	25		20.04		21.40
10	QPSK	1	49		20.12		21.40
10	QPSK	25	0		20.13		21.40
10	QPSK	25	12		20.11		21.40
10	QPSK	25	25		20.09		21.40
10	QPSK	50	0		20.05		21.40
10	16QAM	1	0		20.14		21.40
10	16QAM	1	25		20.08		21.40
10	16QAM	1	49		20.04		21.40
10	16QAM	25	0		20.13		21.40
10	16QAM	25	12		20.13		21.40
10	16QAM	25	25		20.12		21.40
10	16QAM	50	0		20.06		21.40
10	64QAM	1	0		20.11		21.40
10	64QAM	1	25		20.06		21.40
10	64QAM	1	49		20.08		21.40
10	64QAM	25	0		19.76		21.00
10	64QAM	25	12		19.75		21.00
10	64QAM	25	25		19.83		21.00
10	64QAM	50	0		19.80		21.00
10	256QAM	1	0		17.81		19.00
10	256QAM	1	25		17.79		19.00
10	256QAM	1	49		17.73		19.00
10	256QAM	25	0		17.74		19.00
10	256QAM	25	12		17.76		19.00
10	256QAM	25	25		17.75		19.00
10	256QAM	50	0		17.77		19.00
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	19.96	19.94	19.94	21.40
5	QPSK	1	12	19.97	20.02	20.04	21.40
5	QPSK	1	24	19.96	20.02	19.96	21.40
5	QPSK	12	0	19.95	20.02	19.97	21.40
5	QPSK	12	7	19.98	20.05	20.04	21.40
5	QPSK	12	13	19.96	20.00	20.04	21.40
5	QPSK	25	0	20.00	19.96	19.96	21.40
5	16QAM	1	0	19.94	20.01	19.94	21.40
5	16QAM	1	12	20.02	20.03	19.97	21.40
5	16QAM	1	24	19.93	19.98	20.01	21.40
5	16QAM	12	0	20.04	19.98	20.03	21.40
5	16QAM	12	7	19.98	20.03	20.05	21.40
5	16QAM	12	13	20.03	20.02	20.00	21.40
5	16QAM	25	0	20.01	19.97	19.99	21.40
5	64QAM	1	0	20.04	19.95	20.02	21.40
5	64QAM	1	12	20.05	20.04	20.03	21.40
5	64QAM	1	24	19.99	20.02	20.02	21.40
5	64QAM	12	0	19.77	19.84	19.83	21.00
5	64QAM	12	7	19.77	19.82	19.79	21.00
5	64QAM	12	13	19.84	19.75	19.81	21.00
5	64QAM	25	0	19.79	19.80	19.84	21.00
5	256QAM	1	0	18.18	18.18	18.15	19.00
5	256QAM	1	12	18.18	18.15	18.14	19.00
5	256QAM	1	24	18.18	18.22	18.19	19.00
5	256QAM	12	0	18.23	18.24	18.13	19.00
5	256QAM	12	7	18.18	18.25	18.14	19.00
5	256QAM	12	13	18.23	18.17	18.24	19.00
5	256QAM	25	0	18.23	18.18	18.22	19.00



【LTE Band 13_Ant 1_DSI 6】

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		20.18		21.40
10	QPSK	1	25		20.04		21.40
10	QPSK	1	49		20.12		21.40
10	QPSK	25	0		20.13		21.40
10	QPSK	25	12		20.11		21.40
10	QPSK	25	25		20.09		21.40
10	QPSK	50	0		20.05		21.40
10	16QAM	1	0		20.14		21.40
10	16QAM	1	25		20.08		21.40
10	16QAM	1	49		20.04		21.40
10	16QAM	25	0		20.13		21.40
10	16QAM	25	12		20.13		21.40
10	16QAM	25	25		20.12		21.40
10	16QAM	50	0		20.06		21.40
10	64QAM	1	0		20.11		21.40
10	64QAM	1	25		20.06		21.40
10	64QAM	1	49		20.08		21.40
10	64QAM	25	0		19.76		21.00
10	64QAM	25	12		19.75		21.00
10	64QAM	25	25		19.83		21.00
10	64QAM	50	0		19.80		21.00
10	256QAM	1	0		17.81		19.00
10	256QAM	1	25		17.79		19.00
10	256QAM	1	49		17.73		19.00
10	256QAM	25	0		17.74		19.00
10	256QAM	25	12		17.76		19.00
10	256QAM	25	25		17.75		19.00
10	256QAM	50	0		17.77		19.00
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	19.96	19.94	19.94	21.40
5	QPSK	1	12	19.97	20.02	20.04	21.40
5	QPSK	1	24	19.96	20.02	19.96	21.40
5	QPSK	12	0	19.95	20.02	19.97	21.40
5	QPSK	12	7	19.98	20.05	20.04	21.40
5	QPSK	12	13	19.96	20.00	20.04	21.40
5	QPSK	25	0	20.00	19.96	19.96	21.40
5	16QAM	1	0	19.94	20.01	19.94	21.40
5	16QAM	1	12	20.02	20.03	19.97	21.40
5	16QAM	1	24	19.93	19.98	20.01	21.40
5	16QAM	12	0	20.04	19.98	20.03	21.40
5	16QAM	12	7	19.98	20.03	20.05	21.40
5	16QAM	12	13	20.03	20.02	20.00	21.40
5	16QAM	25	0	20.01	19.97	19.99	21.40
5	64QAM	1	0	20.04	19.95	20.02	21.40
5	64QAM	1	12	20.05	20.04	20.03	21.40
5	64QAM	1	24	19.99	20.02	20.02	21.40
5	64QAM	12	0	19.77	19.84	19.83	21.00
5	64QAM	12	7	19.77	19.82	19.79	21.00
5	64QAM	12	13	19.84	19.75	19.81	21.00
5	64QAM	25	0	19.79	19.80	19.84	21.00
5	256QAM	1	0	18.18	18.18	18.15	19.00
5	256QAM	1	12	18.18	18.15	18.14	19.00
5	256QAM	1	24	18.18	18.22	18.19	19.00
5	256QAM	12	0	18.23	18.24	18.13	19.00
5	256QAM	12	7	18.18	18.25	18.14	19.00
5	256QAM	12	13	18.23	18.17	18.24	19.00
5	256QAM	25	0	18.23	18.18	18.22	19.00

【LTE Band 13_Ant 1_DSI 7】

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		23.44		24.00
10	QPSK	1	25		23.22		24.00
10	QPSK	1	49		23.13		24.00
10	QPSK	25	0		22.43		23.00
10	QPSK	25	12		22.38		23.00
10	QPSK	25	25		22.41		23.00
10	QPSK	50	0		22.36		23.00
10	16QAM	1	0		22.40		23.00
10	16QAM	1	25		22.38		23.00
10	16QAM	1	49		22.34		23.00
10	16QAM	25	0		21.43		22.00
10	16QAM	25	12		21.37		22.00
10	16QAM	25	25		21.44		22.00
10	16QAM	50	0		21.37		22.00
10	64QAM	1	0		21.44		22.00
10	64QAM	1	25		21.37		22.00
10	64QAM	1	49		21.38		22.00
10	64QAM	25	0		20.41		21.00
10	64QAM	25	12		20.40		21.00
10	64QAM	25	25		20.34		21.00
10	64QAM	50	0		20.31		21.00
10	256QAM	1	0		18.36		19.00
10	256QAM	1	25		18.39		19.00
10	256QAM	1	49		18.37		19.00
10	256QAM	25	0		18.27		19.00
10	256QAM	25	12		18.36		19.00
10	256QAM	25	25		18.23		19.00
10	256QAM	50	0		18.28		19.00
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	23.16	23.24	23.20	24.00
5	QPSK	1	12	23.08	23.21	23.12	24.00
5	QPSK	1	24	22.94	23.04	22.90	24.00
5	QPSK	12	0	22.12	22.31	22.25	23.00
5	QPSK	12	7	22.21	22.34	22.20	23.00
5	QPSK	12	13	22.21	22.34	22.24	23.00
5	QPSK	25	0	21.96	22.11	22.00	23.00
5	16QAM	1	0	22.20	22.30	22.20	23.00
5	16QAM	1	12	22.20	22.34	22.26	23.00
5	16QAM	1	24	21.99	22.15	21.98	23.00
5	16QAM	12	0	21.23	21.42	21.28	22.00
5	16QAM	12	7	21.18	21.32	21.19	22.00
5	16QAM	12	13	21.25	21.40	21.34	22.00
5	16QAM	25	0	21.21	21.30	21.23	22.00
5	64QAM	1	0	21.15	21.33	21.16	22.00
5	64QAM	1	12	21.08	21.23	21.15	22.00
5	64QAM	1	24	20.95	21.17	21.03	22.00
5	64QAM	12	0	20.20	20.31	20.25	21.00
5	64QAM	12	7	20.27	20.41	20.30	21.00
5	64QAM	12	13	20.13	20.34	20.25	21.00
5	64QAM	25	0	20.06	20.15	20.02	21.00
5	256QAM	1	0	18.22	18.36	18.18	19.00
5	256QAM	1	12	18.15	18.29	18.19	19.00
5	256QAM	1	24	18.14	18.22	18.09	19.00
5	256QAM	12	0	18.11	18.20	18.10	19.00
5	256QAM	12	7	18.23	18.32	18.16	19.00
5	256QAM	12	13	18.11	18.22	18.06	19.00
5	256QAM	25	0	17.88	18.09	17.95	19.00



【LTE Band 13_Ant 1_DSI 12】

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		20.18		21.40
10	QPSK	1	25		20.04		21.40
10	QPSK	1	49		20.12		21.40
10	QPSK	25	0		20.13		21.40
10	QPSK	25	12		20.11		21.40
10	QPSK	25	25		20.09		21.40
10	QPSK	50	0		20.05		21.40
10	16QAM	1	0		20.14		21.40
10	16QAM	1	25		20.08		21.40
10	16QAM	1	49		20.04		21.40
10	16QAM	25	0		20.13		21.40
10	16QAM	25	12		20.13		21.40
10	16QAM	25	25		20.12		21.40
10	16QAM	50	0		20.06		21.40
10	64QAM	1	0		20.11		21.40
10	64QAM	1	25		20.06		21.40
10	64QAM	1	49		20.08		21.40
10	64QAM	25	0		19.76		21.00
10	64QAM	25	12		19.75		21.00
10	64QAM	25	25		19.83		21.00
10	64QAM	50	0		19.80		21.00
10	256QAM	1	0		17.81		19.00
10	256QAM	1	25		17.79		19.00
10	256QAM	1	49		17.73		19.00
10	256QAM	25	0		17.74		19.00
10	256QAM	25	12		17.76		19.00
10	256QAM	25	25		17.75		19.00
10	256QAM	50	0		17.77		19.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	19.96	19.94	19.94	21.40
5	QPSK	1	12	19.97	20.02	20.04	21.40
5	QPSK	1	24	19.96	20.02	19.96	21.40
5	QPSK	12	0	19.95	20.02	19.97	21.40
5	QPSK	12	7	19.98	20.05	20.04	21.40
5	QPSK	12	13	19.96	20.00	20.04	21.40
5	QPSK	25	0	20.00	19.96	19.96	21.40
5	16QAM	1	0	19.94	20.01	19.94	21.40
5	16QAM	1	12	20.02	20.03	19.97	21.40
5	16QAM	1	24	19.93	19.98	20.01	21.40
5	16QAM	12	0	20.04	19.98	20.03	21.40
5	16QAM	12	7	19.98	20.03	20.05	21.40
5	16QAM	12	13	20.03	20.02	20.00	21.40
5	16QAM	25	0	20.01	19.97	19.99	21.40
5	64QAM	1	0	20.04	19.95	20.02	21.40
5	64QAM	1	12	20.05	20.04	20.03	21.40
5	64QAM	1	24	19.99	20.02	20.02	21.40
5	64QAM	12	0	19.77	19.84	19.83	21.00
5	64QAM	12	7	19.77	19.82	19.79	21.00
5	64QAM	12	13	19.84	19.75	19.81	21.00
5	64QAM	25	0	19.79	19.80	19.84	21.00
5	256QAM	1	0	18.18	18.18	18.15	19.00
5	256QAM	1	12	18.18	18.15	18.14	19.00
5	256QAM	1	24	18.18	18.22	18.19	19.00
5	256QAM	12	0	18.23	18.24	18.13	19.00
5	256QAM	12	7	18.18	18.25	18.14	19.00
5	256QAM	12	13	18.23	18.17	18.24	19.00
5	256QAM	25	0	18.23	18.18	18.22	19.00



【LTE Band 14_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					23330		
Frequency (MHz)					793		
10	QPSK	1	0		23.29		24.00
10	QPSK	1	25		23.22		24.00
10	QPSK	1	49		23.13		24.00
10	QPSK	25	0		22.30		23.00
10	QPSK	25	12		22.27		23.00
10	QPSK	25	25		22.29		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.32		23.00
10	16QAM	1	25		22.45		23.00
10	16QAM	1	49		22.38		23.00
10	16QAM	25	0		21.24		22.00
10	16QAM	25	12		21.19		22.00
10	16QAM	25	25		21.20		22.00
10	16QAM	50	0		21.20		22.00
10	64QAM	1	0		21.38		22.00
10	64QAM	1	25		21.40		22.00
10	64QAM	1	49		21.46		22.00
10	64QAM	25	0		20.14		21.00
10	64QAM	25	12		20.22		21.00
10	64QAM	25	25		20.28		21.00
10	64QAM	50	0		20.17		21.00
10	256QAM	1	0		18.35		19.00
10	256QAM	1	25		18.43		19.00
10	256QAM	1	49		18.33		19.00
10	256QAM	25	0		18.10		19.00
10	256QAM	25	12		18.21		19.00
10	256QAM	25	25		18.27		19.00
10	256QAM	50	0		18.16		19.00
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)
5	QPSK	1	0	23.21	23.25	23.18	24.00
5	QPSK	1	12	22.85	23.01	22.85	24.00
5	QPSK	1	24	22.81	22.97	22.80	24.00
5	QPSK	12	0	22.14	22.23	22.06	23.00
5	QPSK	12	7	22.18	22.26	22.12	23.00
5	QPSK	12	13	21.96	22.13	22.00	23.00
5	QPSK	25	0	22.09	22.23	22.11	23.00
5	16QAM	1	0	22.21	22.31	22.22	23.00
5	16QAM	1	12	22.15	22.23	22.15	23.00
5	16QAM	1	24	22.30	22.37	22.27	23.00
5	16QAM	12	0	20.92	21.07	20.97	22.00
5	16QAM	12	7	20.92	21.07	21.00	22.00
5	16QAM	12	13	21.07	21.19	21.01	22.00
5	16QAM	25	0	21.10	21.18	21.03	22.00
5	64QAM	1	0	21.05	21.14	21.06	22.00
5	64QAM	1	12	21.22	21.31	21.20	22.00
5	64QAM	1	24	21.35	21.41	21.30	22.00
5	64QAM	12	0	19.93	20.00	19.89	21.00
5	64QAM	12	7	19.90	20.08	19.89	21.00
5	64QAM	12	13	20.16	20.24	20.05	21.00
5	64QAM	25	0	19.86	20.03	19.84	21.00
5	256QAM	1	0	18.11	18.28	18.20	19.00
5	256QAM	1	12	18.21	18.39	18.30	19.00
5	256QAM	1	24	17.94	18.11	17.91	19.00
5	256QAM	12	0	17.97	18.05	17.96	19.00
5	256QAM	12	7	18.12	18.18	17.99	19.00
5	256QAM	12	13	17.86	18.04	17.94	19.00
5	256QAM	25	0	18.04	18.16	17.99	19.00



【LTE Band 14_Ant 0_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		23.29		24.00
10	QPSK	1	25		23.22		24.00
10	QPSK	1	49		23.13		24.00
10	QPSK	25	0		22.30		23.00
10	QPSK	25	12		22.27		23.00
10	QPSK	25	25		22.29		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.32		23.00
10	16QAM	1	25		22.45		23.00
10	16QAM	1	49		22.38		23.00
10	16QAM	25	0		21.24		22.00
10	16QAM	25	12		21.19		22.00
10	16QAM	25	25		21.20		22.00
10	16QAM	50	0		21.20		22.00
10	64QAM	1	0		21.38		22.00
10	64QAM	1	25		21.40		22.00
10	64QAM	1	49		21.46		22.00
10	64QAM	25	0		20.14		21.00
10	64QAM	25	12		20.22		21.00
10	64QAM	25	25		20.28		21.00
10	64QAM	50	0		20.17		21.00
10	256QAM	1	0		18.35		19.00
10	256QAM	1	25		18.43		19.00
10	256QAM	1	49		18.33		19.00
10	256QAM	25	0		18.10		19.00
10	256QAM	25	12		18.21		19.00
10	256QAM	25	25		18.27		19.00
10	256QAM	50	0		18.16		19.00
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)
5	QPSK	1	0	23.21	23.25	23.18	24.00
5	QPSK	1	12	22.85	23.01	22.85	24.00
5	QPSK	1	24	22.81	22.97	22.80	24.00
5	QPSK	12	0	22.14	22.23	22.06	23.00
5	QPSK	12	7	22.18	22.26	22.12	23.00
5	QPSK	12	13	21.96	22.13	22.00	23.00
5	QPSK	25	0	22.09	22.23	22.11	23.00
5	16QAM	1	0	22.21	22.31	22.22	23.00
5	16QAM	1	12	22.15	22.23	22.15	23.00
5	16QAM	1	24	22.30	22.37	22.27	23.00
5	16QAM	12	0	20.92	21.07	20.97	22.00
5	16QAM	12	7	20.92	21.07	21.00	22.00
5	16QAM	12	13	21.07	21.19	21.01	22.00
5	16QAM	25	0	21.10	21.18	21.03	22.00
5	64QAM	1	0	21.05	21.14	21.06	22.00
5	64QAM	1	12	21.22	21.31	21.20	22.00
5	64QAM	1	24	21.35	21.41	21.30	22.00
5	64QAM	12	0	19.93	20.00	19.89	21.00
5	64QAM	12	7	19.90	20.08	19.89	21.00
5	64QAM	12	13	20.16	20.24	20.05	21.00
5	64QAM	25	0	19.86	20.03	19.84	21.00
5	256QAM	1	0	18.11	18.28	18.20	19.00
5	256QAM	1	12	18.21	18.39	18.30	19.00
5	256QAM	1	24	17.94	18.11	17.91	19.00
5	256QAM	12	0	17.97	18.05	17.96	19.00
5	256QAM	12	7	18.12	18.18	17.99	19.00
5	256QAM	12	13	17.86	18.04	17.94	19.00
5	256QAM	25	0	18.04	18.16	17.99	19.00

【LTE Band 14_Ant 0_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		23.29		24.00
10	QPSK	1	25		23.22		24.00
10	QPSK	1	49		23.13		24.00
10	QPSK	25	0		22.30		23.00
10	QPSK	25	12		22.27		23.00
10	QPSK	25	25		22.29		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.32		23.00
10	16QAM	1	25		22.45		23.00
10	16QAM	1	49		22.38		23.00
10	16QAM	25	0		21.24		22.00
10	16QAM	25	12		21.19		22.00
10	16QAM	25	25		21.20		22.00
10	16QAM	50	0		21.20		22.00
10	64QAM	1	0		21.38		22.00
10	64QAM	1	25		21.40		22.00
10	64QAM	1	49		21.46		22.00
10	64QAM	25	0		20.14		21.00
10	64QAM	25	12		20.22		21.00
10	64QAM	25	25		20.28		21.00
10	64QAM	50	0		20.17		21.00
10	256QAM	1	0		18.35		19.00
10	256QAM	1	25		18.43		19.00
10	256QAM	1	49		18.33		19.00
10	256QAM	25	0		18.10		19.00
10	256QAM	25	12		18.21		19.00
10	256QAM	25	25		18.27		19.00
10	256QAM	50	0		18.16		19.00
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)
5	QPSK	1	0	23.21	23.25	23.18	24.00
5	QPSK	1	12	22.85	23.01	22.85	24.00
5	QPSK	1	24	22.81	22.97	22.80	24.00
5	QPSK	12	0	22.14	22.23	22.06	23.00
5	QPSK	12	7	22.18	22.26	22.12	23.00
5	QPSK	12	13	21.96	22.13	22.00	23.00
5	QPSK	25	0	22.09	22.23	22.11	23.00
5	16QAM	1	0	22.21	22.31	22.22	23.00
5	16QAM	1	12	22.15	22.23	22.15	23.00
5	16QAM	1	24	22.30	22.37	22.27	23.00
5	16QAM	12	0	20.92	21.07	20.97	22.00
5	16QAM	12	7	20.92	21.07	21.00	22.00
5	16QAM	12	13	21.07	21.19	21.01	22.00
5	16QAM	25	0	21.10	21.18	21.03	22.00
5	64QAM	1	0	21.05	21.14	21.06	22.00
5	64QAM	1	12	21.22	21.31	21.20	22.00
5	64QAM	1	24	21.35	21.41	21.30	22.00
5	64QAM	12	0	19.93	20.00	19.89	21.00
5	64QAM	12	7	19.90	20.08	19.89	21.00
5	64QAM	12	13	20.16	20.24	20.05	21.00
5	64QAM	25	0	19.86	20.03	19.84	21.00
5	256QAM	1	0	18.11	18.28	18.20	19.00
5	256QAM	1	12	18.21	18.39	18.30	19.00
5	256QAM	1	24	17.94	18.11	17.91	19.00
5	256QAM	12	0	17.97	18.05	17.96	19.00
5	256QAM	12	7	18.12	18.18	17.99	19.00
5	256QAM	12	13	17.86	18.04	17.94	19.00
5	256QAM	25	0	18.04	18.16	17.99	19.00

【LTE Band 14_Ant 0_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		23.29		24.00
10	QPSK	1	25		23.22		24.00
10	QPSK	1	49		23.13		24.00
10	QPSK	25	0		22.30		23.00
10	QPSK	25	12		22.27		23.00
10	QPSK	25	25		22.29		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.32		23.00
10	16QAM	1	25		22.45		23.00
10	16QAM	1	49		22.38		23.00
10	16QAM	25	0		21.24		22.00
10	16QAM	25	12		21.19		22.00
10	16QAM	25	25		21.20		22.00
10	16QAM	50	0		21.20		22.00
10	64QAM	1	0		21.38		22.00
10	64QAM	1	25		21.40		22.00
10	64QAM	1	49		21.46		22.00
10	64QAM	25	0		20.14		21.00
10	64QAM	25	12		20.22		21.00
10	64QAM	25	25		20.28		21.00
10	64QAM	50	0		20.17		21.00
10	256QAM	1	0		18.35		19.00
10	256QAM	1	25		18.43		19.00
10	256QAM	1	49		18.33		19.00
10	256QAM	25	0		18.10		19.00
10	256QAM	25	12		18.21		19.00
10	256QAM	25	25		18.27		19.00
10	256QAM	50	0		18.16		19.00
Channel				23305	23330	23355	Tune-up limit
Frequency (MHz)				790.5	793	795.5	(dBm)
5	QPSK	1	0	23.21	23.25	23.18	24.00
5	QPSK	1	12	22.85	23.01	22.85	24.00
5	QPSK	1	24	22.81	22.97	22.80	24.00
5	QPSK	12	0	22.14	22.23	22.06	23.00
5	QPSK	12	7	22.18	22.26	22.12	23.00
5	QPSK	12	13	21.96	22.13	22.00	23.00
5	QPSK	25	0	22.09	22.23	22.11	23.00
5	16QAM	1	0	22.21	22.31	22.22	23.00
5	16QAM	1	12	22.15	22.23	22.15	23.00
5	16QAM	1	24	22.30	22.37	22.27	23.00
5	16QAM	12	0	20.92	21.07	20.97	22.00
5	16QAM	12	7	20.92	21.07	21.00	22.00
5	16QAM	12	13	21.07	21.19	21.01	22.00
5	16QAM	25	0	21.10	21.18	21.03	22.00
5	64QAM	1	0	21.05	21.14	21.06	22.00
5	64QAM	1	12	21.22	21.31	21.20	22.00
5	64QAM	1	24	21.35	21.41	21.30	22.00
5	64QAM	12	0	19.93	20.00	19.89	21.00
5	64QAM	12	7	19.90	20.08	19.89	21.00
5	64QAM	12	13	20.16	20.24	20.05	21.00
5	64QAM	25	0	19.86	20.03	19.84	21.00
5	256QAM	1	0	18.11	18.28	18.20	19.00
5	256QAM	1	12	18.21	18.39	18.30	19.00
5	256QAM	1	24	17.94	18.11	17.91	19.00
5	256QAM	12	0	17.97	18.05	17.96	19.00
5	256QAM	12	7	18.12	18.18	17.99	19.00
5	256QAM	12	13	17.86	18.04	17.94	19.00
5	256QAM	25	0	18.04	18.16	17.99	19.00

【LTE Band 14_Ant 0_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		23.29		24.00
10	QPSK	1	25		23.22		24.00
10	QPSK	1	49		23.13		24.00
10	QPSK	25	0		22.30		23.00
10	QPSK	25	12		22.27		23.00
10	QPSK	25	25		22.29		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.32		23.00
10	16QAM	1	25		22.45		23.00
10	16QAM	1	49		22.38		23.00
10	16QAM	25	0		21.24		22.00
10	16QAM	25	12		21.19		22.00
10	16QAM	25	25		21.20		22.00
10	16QAM	50	0		21.20		22.00
10	64QAM	1	0		21.38		22.00
10	64QAM	1	25		21.40		22.00
10	64QAM	1	49		21.46		22.00
10	64QAM	25	0		20.14		21.00
10	64QAM	25	12		20.22		21.00
10	64QAM	25	25		20.28		21.00
10	64QAM	50	0		20.17		21.00
10	256QAM	1	0		18.35		19.00
10	256QAM	1	25		18.43		19.00
10	256QAM	1	49		18.33		19.00
10	256QAM	25	0		18.10		19.00
10	256QAM	25	12		18.21		19.00
10	256QAM	25	25		18.27		19.00
10	256QAM	50	0		18.16		19.00
Channel				23305	23330	23355	Tune-up limit
Frequency (MHz)				790.5	793	795.5	(dBm)
5	QPSK	1	0	23.21	23.25	23.18	24.00
5	QPSK	1	12	22.85	23.01	22.85	24.00
5	QPSK	1	24	22.81	22.97	22.80	24.00
5	QPSK	12	0	22.14	22.23	22.06	23.00
5	QPSK	12	7	22.18	22.26	22.12	23.00
5	QPSK	12	13	21.96	22.13	22.00	23.00
5	QPSK	25	0	22.09	22.23	22.11	23.00
5	16QAM	1	0	22.21	22.31	22.22	23.00
5	16QAM	1	12	22.15	22.23	22.15	23.00
5	16QAM	1	24	22.30	22.37	22.27	23.00
5	16QAM	12	0	20.92	21.07	20.97	22.00
5	16QAM	12	7	20.92	21.07	21.00	22.00
5	16QAM	12	13	21.07	21.19	21.01	22.00
5	16QAM	25	0	21.10	21.18	21.03	22.00
5	64QAM	1	0	21.05	21.14	21.06	22.00
5	64QAM	1	12	21.22	21.31	21.20	22.00
5	64QAM	1	24	21.35	21.41	21.30	22.00
5	64QAM	12	0	19.93	20.00	19.89	21.00
5	64QAM	12	7	19.90	20.08	19.89	21.00
5	64QAM	12	13	20.16	20.24	20.05	21.00
5	64QAM	25	0	19.86	20.03	19.84	21.00
5	256QAM	1	0	18.11	18.28	18.20	19.00
5	256QAM	1	12	18.21	18.39	18.30	19.00
5	256QAM	1	24	17.94	18.11	17.91	19.00
5	256QAM	12	0	17.97	18.05	17.96	19.00
5	256QAM	12	7	18.12	18.18	17.99	19.00
5	256QAM	12	13	17.86	18.04	17.94	19.00
5	256QAM	25	0	18.04	18.16	17.99	19.00

【LTE Band 14_Ant 0_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		23.29		24.00
10	QPSK	1	25		23.22		24.00
10	QPSK	1	49		23.13		24.00
10	QPSK	25	0		22.30		23.00
10	QPSK	25	12		22.27		23.00
10	QPSK	25	25		22.29		23.00
10	QPSK	50	0		22.24		23.00
10	16QAM	1	0		22.32		23.00
10	16QAM	1	25		22.45		23.00
10	16QAM	1	49		22.38		23.00
10	16QAM	25	0		21.24		22.00
10	16QAM	25	12		21.19		22.00
10	16QAM	25	25		21.20		22.00
10	16QAM	50	0		21.20		22.00
10	64QAM	1	0		21.38		22.00
10	64QAM	1	25		21.40		22.00
10	64QAM	1	49		21.46		22.00
10	64QAM	25	0		20.14		21.00
10	64QAM	25	12		20.22		21.00
10	64QAM	25	25		20.28		21.00
10	64QAM	50	0		20.17		21.00
10	256QAM	1	0		18.35		19.00
10	256QAM	1	25		18.43		19.00
10	256QAM	1	49		18.33		19.00
10	256QAM	25	0		18.10		19.00
10	256QAM	25	12		18.21		19.00
10	256QAM	25	25		18.27		19.00
10	256QAM	50	0		18.16		19.00
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)
5	QPSK	1	0	23.21	23.25	23.18	24.00
5	QPSK	1	12	22.85	23.01	22.85	24.00
5	QPSK	1	24	22.81	22.97	22.80	24.00
5	QPSK	12	0	22.14	22.23	22.06	23.00
5	QPSK	12	7	22.18	22.26	22.12	23.00
5	QPSK	12	13	21.96	22.13	22.00	23.00
5	QPSK	25	0	22.09	22.23	22.11	23.00
5	16QAM	1	0	22.21	22.31	22.22	23.00
5	16QAM	1	12	22.15	22.23	22.15	23.00
5	16QAM	1	24	22.30	22.37	22.27	23.00
5	16QAM	12	0	20.92	21.07	20.97	22.00
5	16QAM	12	7	20.92	21.07	21.00	22.00
5	16QAM	12	13	21.07	21.19	21.01	22.00
5	16QAM	25	0	21.10	21.18	21.03	22.00
5	64QAM	1	0	21.05	21.14	21.06	22.00
5	64QAM	1	12	21.22	21.31	21.20	22.00
5	64QAM	1	24	21.35	21.41	21.30	22.00
5	64QAM	12	0	19.93	20.00	19.89	21.00
5	64QAM	12	7	19.90	20.08	19.89	21.00
5	64QAM	12	13	20.16	20.24	20.05	21.00
5	64QAM	25	0	19.86	20.03	19.84	21.00
5	256QAM	1	0	18.11	18.28	18.20	19.00
5	256QAM	1	12	18.21	18.39	18.30	19.00
5	256QAM	1	24	17.94	18.11	17.91	19.00
5	256QAM	12	0	17.97	18.05	17.96	19.00
5	256QAM	12	7	18.12	18.18	17.99	19.00
5	256QAM	12	13	17.86	18.04	17.94	19.00
5	256QAM	25	0	18.04	18.16	17.99	19.00



【LTE Band 14_Ant 0_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		20.65		22.20
10	QPSK	1	25		20.62		22.20
10	QPSK	1	49		20.56		22.20
10	QPSK	25	0		20.61		22.20
10	QPSK	25	12		20.51		22.20
10	QPSK	25	25		20.54		22.20
10	QPSK	50	0		20.59		22.20
10	16QAM	1	0		20.56		22.20
10	16QAM	1	25		20.58		22.20
10	16QAM	1	49		20.61		22.20
10	16QAM	25	0		20.35		22.00
10	16QAM	25	12		20.37		22.00
10	16QAM	25	25		20.35		22.00
10	16QAM	50	0		20.38		22.00
10	64QAM	1	0		20.34		22.00
10	64QAM	1	25		20.36		22.00
10	64QAM	1	49		20.31		22.00
10	64QAM	25	0		19.62		21.00
10	64QAM	25	12		19.63		21.00
10	64QAM	25	25		19.72		21.00
10	64QAM	50	0		19.70		21.00
10	256QAM	1	0		17.72		19.00
10	256QAM	1	25		17.70		19.00
10	256QAM	1	49		17.61		19.00
10	256QAM	25	0		17.72		19.00
10	256QAM	25	12		17.72		19.00
10	256QAM	25	25		17.69		19.00
10	256QAM	50	0		17.73		19.00
Channel				23305	23330	23355	Tune-up limit
Frequency (MHz)				790.5	793	795.5	(dBm)
5	QPSK	1	0	20.36	20.39	20.36	22.20
5	QPSK	1	12	20.30	20.36	20.33	22.20
5	QPSK	1	24	20.40	20.34	20.35	22.20
5	QPSK	12	0	20.42	20.40	20.33	22.20
5	QPSK	12	7	20.39	20.34	20.30	22.20
5	QPSK	12	13	20.31	20.37	20.37	22.20
5	QPSK	25	0	20.33	20.31	20.35	22.20
5	16QAM	1	0	20.37	20.32	20.35	22.20
5	16QAM	1	12	20.36	20.38	20.32	22.20
5	16QAM	1	24	20.41	20.36	20.30	22.20
5	16QAM	12	0	20.17	20.19	20.09	22.00
5	16QAM	12	7	20.16	20.12	20.13	22.00
5	16QAM	12	13	20.21	20.14	20.08	22.00
5	16QAM	25	0	20.12	20.17	20.16	22.00
5	64QAM	1	0	20.15	20.20	20.12	22.00
5	64QAM	1	12	20.11	20.23	20.14	22.00
5	64QAM	1	24	20.14	20.16	20.11	22.00
5	64QAM	12	0	19.17	19.14	19.11	21.00
5	64QAM	12	7	19.22	19.19	19.14	21.00
5	64QAM	12	13	19.12	19.14	19.08	21.00
5	64QAM	25	0	19.22	19.18	19.08	21.00
5	256QAM	1	0	17.17	17.11	17.09	19.00
5	256QAM	1	12	17.16	17.15	17.11	19.00
5	256QAM	1	24	17.18	17.12	17.18	19.00
5	256QAM	12	0	17.13	17.13	17.15	19.00
5	256QAM	12	7	17.21	17.12	17.14	19.00
5	256QAM	12	13	17.19	17.23	17.08	19.00
5	256QAM	25	0	17.13	17.11	17.09	19.00



【LTE Band 14_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					23330		
Frequency (MHz)					793		
10	QPSK	1	0		23.46		24.00
10	QPSK	1	25		23.33		24.00
10	QPSK	1	49		23.31		24.00
10	QPSK	25	0		22.42		23.00
10	QPSK	25	12		22.30		23.00
10	QPSK	25	25		22.28		23.00
10	QPSK	50	0		22.39		23.00
10	16QAM	1	0		22.39		23.00
10	16QAM	1	25		22.46		23.00
10	16QAM	1	49		22.30		23.00
10	16QAM	25	0		21.31		22.00
10	16QAM	25	12		21.36		22.00
10	16QAM	25	25		21.41		22.00
10	16QAM	50	0		21.32		22.00
10	64QAM	1	0		21.31		22.00
10	64QAM	1	25		21.28		22.00
10	64QAM	1	49		21.33		22.00
10	64QAM	25	0		20.43		21.00
10	64QAM	25	12		20.46		21.00
10	64QAM	25	25		20.25		21.00
10	64QAM	50	0		20.44		21.00
10	256QAM	1	0		18.47		19.00
10	256QAM	1	25		18.36		19.00
10	256QAM	1	49		18.38		19.00
10	256QAM	25	0		18.31		19.00
10	256QAM	25	12		18.46		19.00
10	256QAM	25	25		18.28		19.00
10	256QAM	50	0		18.48		19.00
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)
5	QPSK	1	0	23.35	23.37	23.31	24.00
5	QPSK	1	12	23.10	23.19	23.07	24.00
5	QPSK	1	24	23.02	23.16	23.05	24.00
5	QPSK	12	0	22.21	22.34	22.21	23.00
5	QPSK	12	7	21.98	22.10	22.00	23.00
5	QPSK	12	13	22.09	22.14	22.00	23.00
5	QPSK	25	0	22.14	22.28	22.12	23.00
5	16QAM	1	0	22.24	22.32	22.16	23.00
5	16QAM	1	12	22.34	22.40	22.26	23.00
5	16QAM	1	24	22.11	22.15	21.96	23.00
5	16QAM	12	0	21.23	21.32	21.22	22.00
5	16QAM	12	7	21.11	21.17	21.05	22.00
5	16QAM	12	13	21.20	21.31	21.21	22.00
5	16QAM	25	0	21.27	21.33	21.19	22.00
5	64QAM	1	0	21.17	21.24	21.12	22.00
5	64QAM	1	12	20.96	21.11	21.05	22.00
5	64QAM	1	24	21.02	21.16	21.08	22.00
5	64QAM	12	0	20.27	20.38	20.29	21.00
5	64QAM	12	7	20.14	20.28	20.14	21.00
5	64QAM	12	13	20.14	20.21	20.13	21.00
5	64QAM	25	0	20.29	20.36	20.26	21.00
5	256QAM	1	0	18.37	18.47	18.27	19.00
5	256QAM	1	12	18.22	18.38	18.21	19.00
5	256QAM	1	24	18.24	18.36	18.25	19.00
5	256QAM	12	0	18.23	18.30	18.18	19.00
5	256QAM	12	7	18.33	18.40	18.23	19.00
5	256QAM	12	13	18.09	18.23	18.10	19.00
5	256QAM	25	0	18.34	18.39	18.28	19.00



【LTE Band 14_Ant 1_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		23.46		24.00
10	QPSK	1	25		23.33		24.00
10	QPSK	1	49		23.31		24.00
10	QPSK	25	0		22.42		23.00
10	QPSK	25	12		22.30		23.00
10	QPSK	25	25		22.28		23.00
10	QPSK	50	0		22.39		23.00
10	16QAM	1	0		22.39		23.00
10	16QAM	1	25		22.46		23.00
10	16QAM	1	49		22.30		23.00
10	16QAM	25	0		21.31		22.00
10	16QAM	25	12		21.36		22.00
10	16QAM	25	25		21.41		22.00
10	16QAM	50	0		21.32		22.00
10	64QAM	1	0		21.31		22.00
10	64QAM	1	25		21.28		22.00
10	64QAM	1	49		21.33		22.00
10	64QAM	25	0		20.43		21.00
10	64QAM	25	12		20.46		21.00
10	64QAM	25	25		20.25		21.00
10	64QAM	50	0		20.44		21.00
10	256QAM	1	0		18.47		19.00
10	256QAM	1	25		18.36		19.00
10	256QAM	1	49		18.38		19.00
10	256QAM	25	0		18.31		19.00
10	256QAM	25	12		18.46		19.00
10	256QAM	25	25		18.28		19.00
10	256QAM	50	0		18.48		19.00
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)
5	QPSK	1	0	23.35	23.37	23.31	24.00
5	QPSK	1	12	23.10	23.19	23.07	24.00
5	QPSK	1	24	23.02	23.16	23.05	24.00
5	QPSK	12	0	22.21	22.34	22.21	23.00
5	QPSK	12	7	21.98	22.10	22.00	23.00
5	QPSK	12	13	22.09	22.14	22.00	23.00
5	QPSK	25	0	22.14	22.28	22.12	23.00
5	16QAM	1	0	22.24	22.32	22.16	23.00
5	16QAM	1	12	22.34	22.40	22.26	23.00
5	16QAM	1	24	22.11	22.15	21.96	23.00
5	16QAM	12	0	21.23	21.32	21.22	22.00
5	16QAM	12	7	21.11	21.17	21.05	22.00
5	16QAM	12	13	21.20	21.31	21.21	22.00
5	16QAM	25	0	21.27	21.33	21.19	22.00
5	64QAM	1	0	21.17	21.24	21.12	22.00
5	64QAM	1	12	20.96	21.11	21.05	22.00
5	64QAM	1	24	21.02	21.16	21.08	22.00
5	64QAM	12	0	20.27	20.38	20.29	21.00
5	64QAM	12	7	20.14	20.28	20.14	21.00
5	64QAM	12	13	20.14	20.21	20.13	21.00
5	64QAM	25	0	20.29	20.36	20.26	21.00
5	256QAM	1	0	18.37	18.47	18.27	19.00
5	256QAM	1	12	18.22	18.38	18.21	19.00
5	256QAM	1	24	18.24	18.36	18.25	19.00
5	256QAM	12	0	18.23	18.30	18.18	19.00
5	256QAM	12	7	18.33	18.40	18.23	19.00
5	256QAM	12	13	18.09	18.23	18.10	19.00
5	256QAM	25	0	18.34	18.39	18.28	19.00



【LTE Band 14_Ant 1_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		20.63		21.60
10	QPSK	1	25		20.50		21.60
10	QPSK	1	49		20.60		21.60
10	QPSK	25	0		20.61		21.60
10	QPSK	25	12		20.49		21.60
10	QPSK	25	25		20.57		21.60
10	QPSK	50	0		20.54		21.60
10	16QAM	1	0		20.58		21.60
10	16QAM	1	25		20.58		21.60
10	16QAM	1	49		20.53		21.60
10	16QAM	25	0		20.51		21.60
10	16QAM	25	12		20.58		21.60
10	16QAM	25	25		20.53		21.60
10	16QAM	50	0		20.48		21.60
10	64QAM	1	0		20.52		21.60
10	64QAM	1	25		20.51		21.60
10	64QAM	1	49		20.54		21.60
10	64QAM	25	0		20.07		21.00
10	64QAM	25	12		20.03		21.00
10	64QAM	25	25		20.02		21.00
10	64QAM	50	0		20.07		21.00
10	256QAM	1	0		18.65		19.00
10	256QAM	1	25		18.65		19.00
10	256QAM	1	49		18.60		19.00
10	256QAM	25	0		18.67		19.00
10	256QAM	25	12		18.64		19.00
10	256QAM	25	25		18.68		19.00
10	256QAM	50	0		18.62		19.00
Channel				23305	23330	23355	Tune-up limit
Frequency (MHz)				790.5	793	795.5	(dBm)
5	QPSK	1	0	20.50	20.47	20.39	21.60
5	QPSK	1	12	20.45	20.48	20.44	21.60
5	QPSK	1	24	20.41	20.39	20.39	21.60
5	QPSK	12	0	20.43	20.48	20.43	21.60
5	QPSK	12	7	20.40	20.40	20.40	21.60
5	QPSK	12	13	20.40	20.49	20.39	21.60
5	QPSK	25	0	20.38	20.48	20.46	21.60
5	16QAM	1	0	20.40	20.49	20.44	21.60
5	16QAM	1	12	20.48	20.49	20.49	21.60
5	16QAM	1	24	20.41	20.40	20.41	21.60
5	16QAM	12	0	20.46	20.43	20.39	21.60
5	16QAM	12	7	20.45	20.43	20.48	21.60
5	16QAM	12	13	20.38	20.42	20.39	21.60
5	16QAM	25	0	20.46	20.42	20.42	21.60
5	64QAM	1	0	20.47	20.41	20.40	21.60
5	64QAM	1	12	20.40	20.49	20.47	21.60
5	64QAM	1	24	20.47	20.49	20.39	21.60
5	64QAM	12	0	20.07	20.08	20.00	21.00
5	64QAM	12	7	20.04	20.03	20.04	21.00
5	64QAM	12	13	20.08	20.08	20.09	21.00
5	64QAM	25	0	20.02	20.07	20.06	21.00
5	256QAM	1	0	18.59	18.63	18.65	19.00
5	256QAM	1	12	18.63	18.61	18.61	19.00
5	256QAM	1	24	18.63	18.66	18.63	19.00
5	256QAM	12	0	18.60	18.68	18.65	19.00
5	256QAM	12	7	18.68	18.65	18.69	19.00
5	256QAM	12	13	18.61	18.68	18.61	19.00
5	256QAM	25	0	18.69	18.59	18.67	19.00



【LTE Band 14_Ant 1_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		20.63		21.60
10	QPSK	1	25		20.50		21.60
10	QPSK	1	49		20.60		21.60
10	QPSK	25	0		20.61		21.60
10	QPSK	25	12		20.49		21.60
10	QPSK	25	25		20.57		21.60
10	QPSK	50	0		20.54		21.60
10	16QAM	1	0		20.58		21.60
10	16QAM	1	25		20.58		21.60
10	16QAM	1	49		20.53		21.60
10	16QAM	25	0		20.51		21.60
10	16QAM	25	12		20.58		21.60
10	16QAM	25	25		20.53		21.60
10	16QAM	50	0		20.48		21.60
10	64QAM	1	0		20.52		21.60
10	64QAM	1	25		20.51		21.60
10	64QAM	1	49		20.54		21.60
10	64QAM	25	0		20.07		21.00
10	64QAM	25	12		20.03		21.00
10	64QAM	25	25		20.02		21.00
10	64QAM	50	0		20.07		21.00
10	256QAM	1	0		18.65		19.00
10	256QAM	1	25		18.65		19.00
10	256QAM	1	49		18.60		19.00
10	256QAM	25	0		18.67		19.00
10	256QAM	25	12		18.64		19.00
10	256QAM	25	25		18.68		19.00
10	256QAM	50	0		18.62		19.00
Channel				23305	23330	23355	Tune-up limit
Frequency (MHz)				790.5	793	795.5	(dBm)
5	QPSK	1	0	20.50	20.47	20.39	21.60
5	QPSK	1	12	20.45	20.48	20.44	21.60
5	QPSK	1	24	20.41	20.39	20.39	21.60
5	QPSK	12	0	20.43	20.48	20.43	21.60
5	QPSK	12	7	20.40	20.40	20.40	21.60
5	QPSK	12	13	20.40	20.49	20.39	21.60
5	QPSK	25	0	20.38	20.48	20.46	21.60
5	16QAM	1	0	20.40	20.49	20.44	21.60
5	16QAM	1	12	20.48	20.49	20.49	21.60
5	16QAM	1	24	20.41	20.40	20.41	21.60
5	16QAM	12	0	20.46	20.43	20.39	21.60
5	16QAM	12	7	20.45	20.43	20.48	21.60
5	16QAM	12	13	20.38	20.42	20.39	21.60
5	16QAM	25	0	20.46	20.42	20.42	21.60
5	64QAM	1	0	20.47	20.41	20.40	21.60
5	64QAM	1	12	20.40	20.49	20.47	21.60
5	64QAM	1	24	20.47	20.49	20.39	21.60
5	64QAM	12	0	20.07	20.08	20.00	21.00
5	64QAM	12	7	20.04	20.03	20.04	21.00
5	64QAM	12	13	20.08	20.08	20.09	21.00
5	64QAM	25	0	20.02	20.07	20.06	21.00
5	256QAM	1	0	18.59	18.63	18.65	19.00
5	256QAM	1	12	18.63	18.61	18.61	19.00
5	256QAM	1	24	18.63	18.66	18.63	19.00
5	256QAM	12	0	18.60	18.68	18.65	19.00
5	256QAM	12	7	18.68	18.65	18.69	19.00
5	256QAM	12	13	18.61	18.68	18.61	19.00
5	256QAM	25	0	18.69	18.59	18.67	19.00



【LTE Band 14_Ant 1_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		20.63		21.60
10	QPSK	1	25		20.50		21.60
10	QPSK	1	49		20.60		21.60
10	QPSK	25	0		20.61		21.60
10	QPSK	25	12		20.49		21.60
10	QPSK	25	25		20.57		21.60
10	QPSK	50	0		20.54		21.60
10	16QAM	1	0		20.58		21.60
10	16QAM	1	25		20.58		21.60
10	16QAM	1	49		20.53		21.60
10	16QAM	25	0		20.51		21.60
10	16QAM	25	12		20.58		21.60
10	16QAM	25	25		20.53		21.60
10	16QAM	50	0		20.48		21.60
10	64QAM	1	0		20.52		21.60
10	64QAM	1	25		20.51		21.60
10	64QAM	1	49		20.54		21.60
10	64QAM	25	0		20.07		21.00
10	64QAM	25	12		20.03		21.00
10	64QAM	25	25		20.02		21.00
10	64QAM	50	0		20.07		21.00
10	256QAM	1	0		18.65		19.00
10	256QAM	1	25		18.65		19.00
10	256QAM	1	49		18.60		19.00
10	256QAM	25	0		18.67		19.00
10	256QAM	25	12		18.64		19.00
10	256QAM	25	25		18.68		19.00
10	256QAM	50	0		18.62		19.00
Channel				23305	23330	23355	Tune-up limit
Frequency (MHz)				790.5	793	795.5	(dBm)
5	QPSK	1	0	20.50	20.47	20.39	21.60
5	QPSK	1	12	20.45	20.48	20.44	21.60
5	QPSK	1	24	20.41	20.39	20.39	21.60
5	QPSK	12	0	20.43	20.48	20.43	21.60
5	QPSK	12	7	20.40	20.40	20.40	21.60
5	QPSK	12	13	20.40	20.49	20.39	21.60
5	QPSK	25	0	20.38	20.48	20.46	21.60
5	16QAM	1	0	20.40	20.49	20.44	21.60
5	16QAM	1	12	20.48	20.49	20.49	21.60
5	16QAM	1	24	20.41	20.40	20.41	21.60
5	16QAM	12	0	20.46	20.43	20.39	21.60
5	16QAM	12	7	20.45	20.43	20.48	21.60
5	16QAM	12	13	20.38	20.42	20.39	21.60
5	16QAM	25	0	20.46	20.42	20.42	21.60
5	64QAM	1	0	20.47	20.41	20.40	21.60
5	64QAM	1	12	20.40	20.49	20.47	21.60
5	64QAM	1	24	20.47	20.49	20.39	21.60
5	64QAM	12	0	20.07	20.08	20.00	21.00
5	64QAM	12	7	20.04	20.03	20.04	21.00
5	64QAM	12	13	20.08	20.08	20.09	21.00
5	64QAM	25	0	20.02	20.07	20.06	21.00
5	256QAM	1	0	18.59	18.63	18.65	19.00
5	256QAM	1	12	18.63	18.61	18.61	19.00
5	256QAM	1	24	18.63	18.66	18.63	19.00
5	256QAM	12	0	18.60	18.68	18.65	19.00
5	256QAM	12	7	18.68	18.65	18.69	19.00
5	256QAM	12	13	18.61	18.68	18.61	19.00
5	256QAM	25	0	18.69	18.59	18.67	19.00

【LTE Band 14_Ant 1_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		23.46		24.00
10	QPSK	1	25		23.33		24.00
10	QPSK	1	49		23.31		24.00
10	QPSK	25	0		22.42		23.00
10	QPSK	25	12		22.30		23.00
10	QPSK	25	25		22.28		23.00
10	QPSK	50	0		22.39		23.00
10	16QAM	1	0		22.39		23.00
10	16QAM	1	25		22.46		23.00
10	16QAM	1	49		22.30		23.00
10	16QAM	25	0		21.31		22.00
10	16QAM	25	12		21.36		22.00
10	16QAM	25	25		21.41		22.00
10	16QAM	50	0		21.32		22.00
10	64QAM	1	0		21.31		22.00
10	64QAM	1	25		21.28		22.00
10	64QAM	1	49		21.33		22.00
10	64QAM	25	0		20.43		21.00
10	64QAM	25	12		20.46		21.00
10	64QAM	25	25		20.25		21.00
10	64QAM	50	0		20.44		21.00
10	256QAM	1	0		18.47		19.00
10	256QAM	1	25		18.36		19.00
10	256QAM	1	49		18.38		19.00
10	256QAM	25	0		18.31		19.00
10	256QAM	25	12		18.46		19.00
10	256QAM	25	25		18.28		19.00
10	256QAM	50	0		18.48		19.00
Channel				23305	23330	23355	Tune-up limit
Frequency (MHz)				790.5	793	795.5	(dBm)
5	QPSK	1	0	23.35	23.37	23.31	24.00
5	QPSK	1	12	23.10	23.19	23.07	24.00
5	QPSK	1	24	23.02	23.16	23.05	24.00
5	QPSK	12	0	22.21	22.34	22.21	23.00
5	QPSK	12	7	21.98	22.10	22.00	23.00
5	QPSK	12	13	22.09	22.14	22.00	23.00
5	QPSK	25	0	22.14	22.28	22.12	23.00
5	16QAM	1	0	22.24	22.32	22.16	23.00
5	16QAM	1	12	22.34	22.40	22.26	23.00
5	16QAM	1	24	22.11	22.15	21.96	23.00
5	16QAM	12	0	21.23	21.32	21.22	22.00
5	16QAM	12	7	21.11	21.17	21.05	22.00
5	16QAM	12	13	21.20	21.31	21.21	22.00
5	16QAM	25	0	21.27	21.33	21.19	22.00
5	64QAM	1	0	21.17	21.24	21.12	22.00
5	64QAM	1	12	20.96	21.11	21.05	22.00
5	64QAM	1	24	21.02	21.16	21.08	22.00
5	64QAM	12	0	20.27	20.38	20.29	21.00
5	64QAM	12	7	20.14	20.28	20.14	21.00
5	64QAM	12	13	20.14	20.21	20.13	21.00
5	64QAM	25	0	20.29	20.36	20.26	21.00
5	256QAM	1	0	18.37	18.47	18.27	19.00
5	256QAM	1	12	18.22	18.38	18.21	19.00
5	256QAM	1	24	18.24	18.36	18.25	19.00
5	256QAM	12	0	18.23	18.30	18.18	19.00
5	256QAM	12	7	18.33	18.40	18.23	19.00
5	256QAM	12	13	18.09	18.23	18.10	19.00
5	256QAM	25	0	18.34	18.39	18.28	19.00



【LTE Band 14_Ant 1_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		20.63		21.60
10	QPSK	1	25		20.50		21.60
10	QPSK	1	49		20.60		21.60
10	QPSK	25	0		20.61		21.60
10	QPSK	25	12		20.49		21.60
10	QPSK	25	25		20.57		21.60
10	QPSK	50	0		20.54		21.60
10	16QAM	1	0		20.58		21.60
10	16QAM	1	25		20.58		21.60
10	16QAM	1	49		20.53		21.60
10	16QAM	25	0		20.51		21.60
10	16QAM	25	12		20.58		21.60
10	16QAM	25	25		20.53		21.60
10	16QAM	50	0		20.48		21.60
10	64QAM	1	0		20.52		21.60
10	64QAM	1	25		20.51		21.60
10	64QAM	1	49		20.54		21.60
10	64QAM	25	0		20.07		21.00
10	64QAM	25	12		20.03		21.00
10	64QAM	25	25		20.02		21.00
10	64QAM	50	0		20.07		21.00
10	256QAM	1	0		18.65		19.00
10	256QAM	1	25		18.65		19.00
10	256QAM	1	49		18.60		19.00
10	256QAM	25	0		18.67		19.00
10	256QAM	25	12		18.64		19.00
10	256QAM	25	25		18.68		19.00
10	256QAM	50	0		18.62		19.00
Channel				23305	23330	23355	Tune-up limit
Frequency (MHz)				790.5	793	795.5	(dBm)
5	QPSK	1	0	20.50	20.47	20.39	21.60
5	QPSK	1	12	20.45	20.48	20.44	21.60
5	QPSK	1	24	20.41	20.39	20.39	21.60
5	QPSK	12	0	20.43	20.48	20.43	21.60
5	QPSK	12	7	20.40	20.40	20.40	21.60
5	QPSK	12	13	20.40	20.49	20.39	21.60
5	QPSK	25	0	20.38	20.48	20.46	21.60
5	16QAM	1	0	20.40	20.49	20.44	21.60
5	16QAM	1	12	20.48	20.49	20.49	21.60
5	16QAM	1	24	20.41	20.40	20.41	21.60
5	16QAM	12	0	20.46	20.43	20.39	21.60
5	16QAM	12	7	20.45	20.43	20.48	21.60
5	16QAM	12	13	20.38	20.42	20.39	21.60
5	16QAM	25	0	20.46	20.42	20.42	21.60
5	64QAM	1	0	20.47	20.41	20.40	21.60
5	64QAM	1	12	20.40	20.49	20.47	21.60
5	64QAM	1	24	20.47	20.49	20.39	21.60
5	64QAM	12	0	20.07	20.08	20.00	21.00
5	64QAM	12	7	20.04	20.03	20.04	21.00
5	64QAM	12	13	20.08	20.08	20.09	21.00
5	64QAM	25	0	20.02	20.07	20.06	21.00
5	256QAM	1	0	18.59	18.63	18.65	19.00
5	256QAM	1	12	18.63	18.61	18.61	19.00
5	256QAM	1	24	18.63	18.66	18.63	19.00
5	256QAM	12	0	18.60	18.68	18.65	19.00
5	256QAM	12	7	18.68	18.65	18.69	19.00
5	256QAM	12	13	18.61	18.68	18.61	19.00
5	256QAM	25	0	18.69	18.59	18.67	19.00

**【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	22.94	23.02	22.97	24.00
10	QPSK	1	25	22.82	23.01	22.84	24.00
10	QPSK	1	49	22.76	22.90	22.76	24.00
10	QPSK	25	0	21.94	22.04	21.93	23.00
10	QPSK	25	12	21.80	21.98	21.87	23.00
10	QPSK	25	25	21.82	22.03	21.92	23.00
10	QPSK	50	0	21.76	21.97	21.78	23.00
10	16QAM	1	0	22.02	22.17	22.08	23.00
10	16QAM	1	25	21.96	22.14	21.94	23.00
10	16QAM	1	49	21.87	22.07	21.90	23.00
10	16QAM	25	0	20.82	21.03	20.85	22.00
10	16QAM	25	12	20.80	21.00	20.89	22.00
10	16QAM	25	25	20.86	21.06	20.94	22.00
10	16QAM	50	0	20.79	20.95	20.83	22.00
10	64QAM	1	0	20.98	21.07	20.92	22.00
10	64QAM	1	25	20.87	21.09	21.03	22.00
10	64QAM	1	49	21.13	21.31	21.23	22.00
10	64QAM	25	0	19.87	19.98	19.90	21.00
10	64QAM	25	12	19.80	20.01	19.89	21.00
10	64QAM	25	25	19.92	20.01	19.90	21.00
10	64QAM	50	0	19.88	19.99	19.92	21.00
10	256QAM	1	0	17.74	17.88	17.81	19.00
10	256QAM	1	25	18.04	18.19	18.00	19.00
10	256QAM	1	49	17.81	17.99	17.93	19.00
10	256QAM	25	0	17.85	17.94	17.88	19.00
10	256QAM	25	12	17.81	17.93	17.83	19.00
10	256QAM	25	25	17.93	18.02	17.97	19.00
10	256QAM	50	0	17.83	17.95	17.85	19.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.93	22.90	22.90	24.00
5	QPSK	1	12	22.74	22.99	22.82	24.00
5	QPSK	1	24	22.69	22.82	22.67	24.00
5	QPSK	12	0	21.83	21.98	21.82	23.00
5	QPSK	12	7	21.79	21.86	21.75	23.00
5	QPSK	12	13	21.68	22.02	21.86	23.00
5	QPSK	25	0	21.63	21.88	21.67	23.00
5	16QAM	1	0	21.93	22.04	22.03	23.00
5	16QAM	1	12	21.93	21.99	21.81	23.00
5	16QAM	1	24	21.82	21.93	21.79	23.00
5	16QAM	12	0	20.72	20.97	20.83	22.00
5	16QAM	12	7	20.67	20.93	20.86	22.00
5	16QAM	12	13	20.79	20.93	20.86	22.00
5	16QAM	25	0	20.70	20.88	20.72	22.00
5	64QAM	1	0	20.95	21.04	20.81	22.00
5	64QAM	1	12	20.75	21.06	20.91	22.00
5	64QAM	1	24	21.08	21.25	21.19	22.00
5	64QAM	12	0	19.79	19.94	19.84	21.00
5	64QAM	12	7	19.74	19.95	19.80	21.00
5	64QAM	12	13	19.80	19.97	19.76	21.00
5	64QAM	25	0	19.85	19.97	19.90	21.00
5	256QAM	1	0	17.65	17.86	17.76	19.00
5	256QAM	1	12	17.90	18.12	17.97	19.00
5	256QAM	1	24	17.69	17.88	17.83	19.00
5	256QAM	12	0	17.73	17.93	17.84	19.00
5	256QAM	12	7	17.78	17.83	17.82	19.00
5	256QAM	12	13	17.79	18.00	17.86	19.00
5	256QAM	25	0	17.69	17.84	17.77	19.00

【LTE Band 17_Ant 0_DSI 2】

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	22.94	23.02	22.97	24.00
10	QPSK	1	25	22.82	23.01	22.84	24.00
10	QPSK	1	49	22.76	22.90	22.76	24.00
10	QPSK	25	0	21.94	22.04	21.93	23.00
10	QPSK	25	12	21.80	21.98	21.87	23.00
10	QPSK	25	25	21.82	22.03	21.92	23.00
10	QPSK	50	0	21.76	21.97	21.78	23.00
10	16QAM	1	0	22.02	22.17	22.08	23.00
10	16QAM	1	25	21.96	22.14	21.94	23.00
10	16QAM	1	49	21.87	22.07	21.90	23.00
10	16QAM	25	0	20.82	21.03	20.85	22.00
10	16QAM	25	12	20.80	21.00	20.89	22.00
10	16QAM	25	25	20.86	21.06	20.94	22.00
10	16QAM	50	0	20.79	20.95	20.83	22.00
10	64QAM	1	0	20.98	21.07	20.92	22.00
10	64QAM	1	25	20.87	21.09	21.03	22.00
10	64QAM	1	49	21.13	21.31	21.23	22.00
10	64QAM	25	0	19.87	19.98	19.90	21.00
10	64QAM	25	12	19.80	20.01	19.89	21.00
10	64QAM	25	25	19.92	20.01	19.90	21.00
10	64QAM	50	0	19.88	19.99	19.92	21.00
10	256QAM	1	0	17.74	17.88	17.81	19.00
10	256QAM	1	25	18.04	18.19	18.00	19.00
10	256QAM	1	49	17.81	17.99	17.93	19.00
10	256QAM	25	0	17.85	17.94	17.88	19.00
10	256QAM	25	12	17.81	17.93	17.83	19.00
10	256QAM	25	25	17.93	18.02	17.97	19.00
10	256QAM	50	0	17.83	17.95	17.85	19.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.93	22.90	22.90	24.00
5	QPSK	1	12	22.74	22.99	22.82	24.00
5	QPSK	1	24	22.69	22.82	22.67	24.00
5	QPSK	12	0	21.83	21.98	21.82	23.00
5	QPSK	12	7	21.79	21.86	21.75	23.00
5	QPSK	12	13	21.68	22.02	21.86	23.00
5	QPSK	25	0	21.63	21.88	21.67	23.00
5	16QAM	1	0	21.93	22.04	22.03	23.00
5	16QAM	1	12	21.93	21.99	21.81	23.00
5	16QAM	1	24	21.82	21.93	21.79	23.00
5	16QAM	12	0	20.72	20.97	20.83	22.00
5	16QAM	12	7	20.67	20.93	20.86	22.00
5	16QAM	12	13	20.79	20.93	20.86	22.00
5	16QAM	25	0	20.70	20.88	20.72	22.00
5	64QAM	1	0	20.95	21.04	20.81	22.00
5	64QAM	1	12	20.75	21.06	20.91	22.00
5	64QAM	1	24	21.08	21.25	21.19	22.00
5	64QAM	12	0	19.79	19.94	19.84	21.00
5	64QAM	12	7	19.74	19.95	19.80	21.00
5	64QAM	12	13	19.80	19.97	19.76	21.00
5	64QAM	25	0	19.85	19.97	19.90	21.00
5	256QAM	1	0	17.65	17.86	17.76	19.00
5	256QAM	1	12	17.90	18.12	17.97	19.00
5	256QAM	1	24	17.69	17.88	17.83	19.00
5	256QAM	12	0	17.73	17.93	17.84	19.00
5	256QAM	12	7	17.78	17.83	17.82	19.00
5	256QAM	12	13	17.79	18.00	17.86	19.00
5	256QAM	25	0	17.69	17.84	17.77	19.00



【LTE Band 17_Ant 0_DSI 3】

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	22.94	23.02	22.97	24.00
10	QPSK	1	25	22.82	23.01	22.84	24.00
10	QPSK	1	49	22.76	22.90	22.76	24.00
10	QPSK	25	0	21.94	22.04	21.93	23.00
10	QPSK	25	12	21.80	21.98	21.87	23.00
10	QPSK	25	25	21.82	22.03	21.92	23.00
10	QPSK	50	0	21.76	21.97	21.78	23.00
10	16QAM	1	0	22.02	22.17	22.08	23.00
10	16QAM	1	25	21.96	22.14	21.94	23.00
10	16QAM	1	49	21.87	22.07	21.90	23.00
10	16QAM	25	0	20.82	21.03	20.85	22.00
10	16QAM	25	12	20.80	21.00	20.89	22.00
10	16QAM	25	25	20.86	21.06	20.94	22.00
10	16QAM	50	0	20.79	20.95	20.83	22.00
10	64QAM	1	0	20.98	21.07	20.92	22.00
10	64QAM	1	25	20.87	21.09	21.03	22.00
10	64QAM	1	49	21.13	21.31	21.23	22.00
10	64QAM	25	0	19.87	19.98	19.90	21.00
10	64QAM	25	12	19.80	20.01	19.89	21.00
10	64QAM	25	25	19.92	20.01	19.90	21.00
10	64QAM	50	0	19.88	19.99	19.92	21.00
10	256QAM	1	0	17.74	17.88	17.81	19.00
10	256QAM	1	25	18.04	18.19	18.00	19.00
10	256QAM	1	49	17.81	17.99	17.93	19.00
10	256QAM	25	0	17.85	17.94	17.88	19.00
10	256QAM	25	12	17.81	17.93	17.83	19.00
10	256QAM	25	25	17.93	18.02	17.97	19.00
10	256QAM	50	0	17.83	17.95	17.85	19.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.93	22.90	22.90	24.00
5	QPSK	1	12	22.74	22.99	22.82	24.00
5	QPSK	1	24	22.69	22.82	22.67	24.00
5	QPSK	12	0	21.83	21.98	21.82	23.00
5	QPSK	12	7	21.79	21.86	21.75	23.00
5	QPSK	12	13	21.68	22.02	21.86	23.00
5	QPSK	25	0	21.63	21.88	21.67	23.00
5	16QAM	1	0	21.93	22.04	22.03	23.00
5	16QAM	1	12	21.93	21.99	21.81	23.00
5	16QAM	1	24	21.82	21.93	21.79	23.00
5	16QAM	12	0	20.72	20.97	20.83	22.00
5	16QAM	12	7	20.67	20.93	20.86	22.00
5	16QAM	12	13	20.79	20.93	20.86	22.00
5	16QAM	25	0	20.70	20.88	20.72	22.00
5	64QAM	1	0	20.95	21.04	20.81	22.00
5	64QAM	1	12	20.75	21.06	20.91	22.00
5	64QAM	1	24	21.08	21.25	21.19	22.00
5	64QAM	12	0	19.79	19.94	19.84	21.00
5	64QAM	12	7	19.74	19.95	19.80	21.00
5	64QAM	12	13	19.80	19.97	19.76	21.00
5	64QAM	25	0	19.85	19.97	19.90	21.00
5	256QAM	1	0	17.65	17.86	17.76	19.00
5	256QAM	1	12	17.90	18.12	17.97	19.00
5	256QAM	1	24	17.69	17.88	17.83	19.00
5	256QAM	12	0	17.73	17.93	17.84	19.00
5	256QAM	12	7	17.78	17.83	17.82	19.00
5	256QAM	12	13	17.79	18.00	17.86	19.00
5	256QAM	25	0	17.69	17.84	17.77	19.00

**【LTE Band 17_Ant 0_DSI 4】**

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	22.94	23.02	22.97	24.00
10	QPSK	1	25	22.82	23.01	22.84	24.00
10	QPSK	1	49	22.76	22.90	22.76	24.00
10	QPSK	25	0	21.94	22.04	21.93	23.00
10	QPSK	25	12	21.80	21.98	21.87	23.00
10	QPSK	25	25	21.82	22.03	21.92	23.00
10	QPSK	50	0	21.76	21.97	21.78	23.00
10	16QAM	1	0	22.02	22.17	22.08	23.00
10	16QAM	1	25	21.96	22.14	21.94	23.00
10	16QAM	1	49	21.87	22.07	21.90	23.00
10	16QAM	25	0	20.82	21.03	20.85	22.00
10	16QAM	25	12	20.80	21.00	20.89	22.00
10	16QAM	25	25	20.86	21.06	20.94	22.00
10	16QAM	50	0	20.79	20.95	20.83	22.00
10	64QAM	1	0	20.98	21.07	20.92	22.00
10	64QAM	1	25	20.87	21.09	21.03	22.00
10	64QAM	1	49	21.13	21.31	21.23	22.00
10	64QAM	25	0	19.87	19.98	19.90	21.00
10	64QAM	25	12	19.80	20.01	19.89	21.00
10	64QAM	25	25	19.92	20.01	19.90	21.00
10	64QAM	50	0	19.88	19.99	19.92	21.00
10	256QAM	1	0	17.74	17.88	17.81	19.00
10	256QAM	1	25	18.04	18.19	18.00	19.00
10	256QAM	1	49	17.81	17.99	17.93	19.00
10	256QAM	25	0	17.85	17.94	17.88	19.00
10	256QAM	25	12	17.81	17.93	17.83	19.00
10	256QAM	25	25	17.93	18.02	17.97	19.00
10	256QAM	50	0	17.83	17.95	17.85	19.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.93	22.90	22.90	24.00
5	QPSK	1	12	22.74	22.99	22.82	24.00
5	QPSK	1	24	22.69	22.82	22.67	24.00
5	QPSK	12	0	21.83	21.98	21.82	23.00
5	QPSK	12	7	21.79	21.86	21.75	23.00
5	QPSK	12	13	21.68	22.02	21.86	23.00
5	QPSK	25	0	21.63	21.88	21.67	23.00
5	16QAM	1	0	21.93	22.04	22.03	23.00
5	16QAM	1	12	21.93	21.99	21.81	23.00
5	16QAM	1	24	21.82	21.93	21.79	23.00
5	16QAM	12	0	20.72	20.97	20.83	22.00
5	16QAM	12	7	20.67	20.93	20.86	22.00
5	16QAM	12	13	20.79	20.93	20.86	22.00
5	16QAM	25	0	20.70	20.88	20.72	22.00
5	64QAM	1	0	20.95	21.04	20.81	22.00
5	64QAM	1	12	20.75	21.06	20.91	22.00
5	64QAM	1	24	21.08	21.25	21.19	22.00
5	64QAM	12	0	19.79	19.94	19.84	21.00
5	64QAM	12	7	19.74	19.95	19.80	21.00
5	64QAM	12	13	19.80	19.97	19.76	21.00
5	64QAM	25	0	19.85	19.97	19.90	21.00
5	256QAM	1	0	17.65	17.86	17.76	19.00
5	256QAM	1	12	17.90	18.12	17.97	19.00
5	256QAM	1	24	17.69	17.88	17.83	19.00
5	256QAM	12	0	17.73	17.93	17.84	19.00
5	256QAM	12	7	17.78	17.83	17.82	19.00
5	256QAM	12	13	17.79	18.00	17.86	19.00
5	256QAM	25	0	17.69	17.84	17.77	19.00

**【LTE Band 17_Ant 0_DSI 6】**

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	22.94	23.02	22.97	24.00
10	QPSK	1	25	22.82	23.01	22.84	24.00
10	QPSK	1	49	22.76	22.90	22.76	24.00
10	QPSK	25	0	21.94	22.04	21.93	23.00
10	QPSK	25	12	21.80	21.98	21.87	23.00
10	QPSK	25	25	21.82	22.03	21.92	23.00
10	QPSK	50	0	21.76	21.97	21.78	23.00
10	16QAM	1	0	22.02	22.17	22.08	23.00
10	16QAM	1	25	21.96	22.14	21.94	23.00
10	16QAM	1	49	21.87	22.07	21.90	23.00
10	16QAM	25	0	20.82	21.03	20.85	22.00
10	16QAM	25	12	20.80	21.00	20.89	22.00
10	16QAM	25	25	20.86	21.06	20.94	22.00
10	16QAM	50	0	20.79	20.95	20.83	22.00
10	64QAM	1	0	20.98	21.07	20.92	22.00
10	64QAM	1	25	20.87	21.09	21.03	22.00
10	64QAM	1	49	21.13	21.31	21.23	22.00
10	64QAM	25	0	19.87	19.98	19.90	21.00
10	64QAM	25	12	19.80	20.01	19.89	21.00
10	64QAM	25	25	19.92	20.01	19.90	21.00
10	64QAM	50	0	19.88	19.99	19.92	21.00
10	256QAM	1	0	17.74	17.88	17.81	19.00
10	256QAM	1	25	18.04	18.19	18.00	19.00
10	256QAM	1	49	17.81	17.99	17.93	19.00
10	256QAM	25	0	17.85	17.94	17.88	19.00
10	256QAM	25	12	17.81	17.93	17.83	19.00
10	256QAM	25	25	17.93	18.02	17.97	19.00
10	256QAM	50	0	17.83	17.95	17.85	19.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.93	22.90	22.90	24.00
5	QPSK	1	12	22.74	22.99	22.82	24.00
5	QPSK	1	24	22.69	22.82	22.67	24.00
5	QPSK	12	0	21.83	21.98	21.82	23.00
5	QPSK	12	7	21.79	21.86	21.75	23.00
5	QPSK	12	13	21.68	22.02	21.86	23.00
5	QPSK	25	0	21.63	21.88	21.67	23.00
5	16QAM	1	0	21.93	22.04	22.03	23.00
5	16QAM	1	12	21.93	21.99	21.81	23.00
5	16QAM	1	24	21.82	21.93	21.79	23.00
5	16QAM	12	0	20.72	20.97	20.83	22.00
5	16QAM	12	7	20.67	20.93	20.86	22.00
5	16QAM	12	13	20.79	20.93	20.86	22.00
5	16QAM	25	0	20.70	20.88	20.72	22.00
5	64QAM	1	0	20.95	21.04	20.81	22.00
5	64QAM	1	12	20.75	21.06	20.91	22.00
5	64QAM	1	24	21.08	21.25	21.19	22.00
5	64QAM	12	0	19.79	19.94	19.84	21.00
5	64QAM	12	7	19.74	19.95	19.80	21.00
5	64QAM	12	13	19.80	19.97	19.76	21.00
5	64QAM	25	0	19.85	19.97	19.90	21.00
5	256QAM	1	0	17.65	17.86	17.76	19.00
5	256QAM	1	12	17.90	18.12	17.97	19.00
5	256QAM	1	24	17.69	17.88	17.83	19.00
5	256QAM	12	0	17.73	17.93	17.84	19.00
5	256QAM	12	7	17.78	17.83	17.82	19.00
5	256QAM	12	13	17.79	18.00	17.86	19.00
5	256QAM	25	0	17.69	17.84	17.77	19.00



【LTE Band 17_Ant 0_DSI 7】

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	22.94	23.02	22.97	24.00
10	QPSK	1	25	22.82	23.01	22.84	24.00
10	QPSK	1	49	22.76	22.90	22.76	24.00
10	QPSK	25	0	21.94	22.04	21.93	23.00
10	QPSK	25	12	21.80	21.98	21.87	23.00
10	QPSK	25	25	21.82	22.03	21.92	23.00
10	QPSK	50	0	21.76	21.97	21.78	23.00
10	16QAM	1	0	22.02	22.17	22.08	23.00
10	16QAM	1	25	21.96	22.14	21.94	23.00
10	16QAM	1	49	21.87	22.07	21.90	23.00
10	16QAM	25	0	20.82	21.03	20.85	22.00
10	16QAM	25	12	20.80	21.00	20.89	22.00
10	16QAM	25	25	20.86	21.06	20.94	22.00
10	16QAM	50	0	20.79	20.95	20.83	22.00
10	64QAM	1	0	20.98	21.07	20.92	22.00
10	64QAM	1	25	20.87	21.09	21.03	22.00
10	64QAM	1	49	21.13	21.31	21.23	22.00
10	64QAM	25	0	19.87	19.98	19.90	21.00
10	64QAM	25	12	19.80	20.01	19.89	21.00
10	64QAM	25	25	19.92	20.01	19.90	21.00
10	64QAM	50	0	19.88	19.99	19.92	21.00
10	256QAM	1	0	17.74	17.88	17.81	19.00
10	256QAM	1	25	18.04	18.19	18.00	19.00
10	256QAM	1	49	17.81	17.99	17.93	19.00
10	256QAM	25	0	17.85	17.94	17.88	19.00
10	256QAM	25	12	17.81	17.93	17.83	19.00
10	256QAM	25	25	17.93	18.02	17.97	19.00
10	256QAM	50	0	17.83	17.95	17.85	19.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.93	22.90	22.90	24.00
5	QPSK	1	12	22.74	22.99	22.82	24.00
5	QPSK	1	24	22.69	22.82	22.67	24.00
5	QPSK	12	0	21.83	21.98	21.82	23.00
5	QPSK	12	7	21.79	21.86	21.75	23.00
5	QPSK	12	13	21.68	22.02	21.86	23.00
5	QPSK	25	0	21.63	21.88	21.67	23.00
5	16QAM	1	0	21.93	22.04	22.03	23.00
5	16QAM	1	12	21.93	21.99	21.81	23.00
5	16QAM	1	24	21.82	21.93	21.79	23.00
5	16QAM	12	0	20.72	20.97	20.83	22.00
5	16QAM	12	7	20.67	20.93	20.86	22.00
5	16QAM	12	13	20.79	20.93	20.86	22.00
5	16QAM	25	0	20.70	20.88	20.72	22.00
5	64QAM	1	0	20.95	21.04	20.81	22.00
5	64QAM	1	12	20.75	21.06	20.91	22.00
5	64QAM	1	24	21.08	21.25	21.19	22.00
5	64QAM	12	0	19.79	19.94	19.84	21.00
5	64QAM	12	7	19.74	19.95	19.80	21.00
5	64QAM	12	13	19.80	19.97	19.76	21.00
5	64QAM	25	0	19.85	19.97	19.90	21.00
5	256QAM	1	0	17.65	17.86	17.76	19.00
5	256QAM	1	12	17.90	18.12	17.97	19.00
5	256QAM	1	24	17.69	17.88	17.83	19.00
5	256QAM	12	0	17.73	17.93	17.84	19.00
5	256QAM	12	7	17.78	17.83	17.82	19.00
5	256QAM	12	13	17.79	18.00	17.86	19.00
5	256QAM	25	0	17.69	17.84	17.77	19.00

【LTE Band 17_Ant 0_DSI 12】

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	18.85	18.89	18.81	20.30
10	QPSK	1	25	18.79	18.81	18.77	20.30
10	QPSK	1	49	18.79	18.80	18.76	20.30
10	QPSK	25	0	18.79	18.87	18.76	20.30
10	QPSK	25	12	18.73	18.77	18.69	20.30
10	QPSK	25	25	18.72	18.74	18.74	20.30
10	QPSK	50	0	18.70	18.78	18.76	20.30
10	16QAM	1	0	18.72	18.80	18.71	20.30
10	16QAM	1	25	18.81	18.77	18.76	20.30
10	16QAM	1	49	18.74	18.81	18.72	20.30
10	16QAM	25	0	18.72	18.76	18.77	20.30
10	16QAM	25	12	18.78	18.85	18.70	20.30
10	16QAM	25	25	18.74	18.76	18.77	20.30
10	16QAM	50	0	18.81	18.74	18.77	20.30
10	64QAM	1	0	18.74	18.82	18.69	20.30
10	64QAM	1	25	18.80	18.78	18.70	20.30
10	64QAM	1	49	18.79	18.84	18.77	20.30
10	64QAM	25	0	18.74	18.82	18.75	20.30
10	64QAM	25	12	18.81	18.81	18.78	20.30
10	64QAM	25	25	18.70	18.81	18.69	20.30
10	64QAM	50	0	18.76	18.83	18.76	20.30
10	256QAM	1	0	17.77	17.81	17.68	19.00
10	256QAM	1	25	17.73	17.77	17.77	19.00
10	256QAM	1	49	17.76	17.74	17.74	19.00
10	256QAM	25	0	17.76	17.80	17.78	19.00
10	256QAM	25	12	17.76	17.79	17.70	19.00
10	256QAM	25	25	17.82	17.74	17.70	19.00
10	256QAM	50	0	17.72	17.77	17.76	19.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	18.73	18.76	18.67	20.30
5	QPSK	1	12	18.77	18.77	18.71	20.30
5	QPSK	1	24	18.67	18.77	18.74	20.30
5	QPSK	12	0	18.74	18.74	18.75	20.30
5	QPSK	12	7	18.71	18.69	18.63	20.30
5	QPSK	12	13	18.65	18.65	18.62	20.30
5	QPSK	25	0	18.64	18.66	18.66	20.30
5	16QAM	1	0	18.68	18.66	18.60	20.30
5	16QAM	1	12	18.67	18.75	18.61	20.30
5	16QAM	1	24	18.70	18.69	18.70	20.30
5	16QAM	12	0	18.65	18.74	18.66	20.30
5	16QAM	12	7	18.71	18.82	18.62	20.30
5	16QAM	12	13	18.70	18.67	18.69	20.30
5	16QAM	25	0	18.79	18.70	18.68	20.30
5	64QAM	1	0	18.64	18.68	18.65	20.30
5	64QAM	1	12	18.66	18.74	18.66	20.30
5	64QAM	1	24	18.78	18.74	18.65	20.30
5	64QAM	12	0	18.65	18.77	18.61	20.30
5	64QAM	12	7	18.79	18.74	18.70	20.30
5	64QAM	12	13	18.66	18.79	18.56	20.30
5	64QAM	25	0	18.73	18.81	18.75	20.30
5	256QAM	1	0	17.68	17.70	17.61	19.00
5	256QAM	1	12	17.60	17.71	17.68	19.00
5	256QAM	1	24	17.63	17.65	17.71	19.00
5	256QAM	12	0	17.67	17.70	17.73	19.00
5	256QAM	12	7	17.74	17.77	17.63	19.00
5	256QAM	12	13	17.78	17.64	17.62	19.00
5	256QAM	25	0	17.58	17.64	17.74	19.00

【LTE Band 17_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				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.36	23.39	23.33	24.00
10	QPSK	1	25	23.06	23.24	23.08	24.00
10	QPSK	1	49	23.12	23.28	23.10	24.00
10	QPSK	25	0	22.30	22.32	22.28	23.00
10	QPSK	25	12	22.08	22.18	22.07	23.00
10	QPSK	25	25	22.11	22.20	22.09	23.00
10	QPSK	50	0	22.25	22.30	22.20	23.00
10	16QAM	1	0	22.07	22.21	22.06	23.00
10	16QAM	1	25	22.18	22.32	22.20	23.00
10	16QAM	1	49	22.17	22.27	22.10	23.00
10	16QAM	25	0	21.26	21.36	21.19	22.00
10	16QAM	25	12	21.18	21.33	21.14	22.00
10	16QAM	25	25	21.29	21.39	21.22	22.00
10	16QAM	50	0	21.20	21.27	21.15	22.00
10	64QAM	1	0	21.18	21.31	21.24	22.00
10	64QAM	1	25	21.29	21.38	21.18	22.00
10	64QAM	1	49	21.14	21.23	21.04	22.00
10	64QAM	25	0	20.14	20.30	20.21	21.00
10	64QAM	25	12	20.25	20.31	20.11	21.00
10	64QAM	25	25	20.23	20.35	20.27	21.00
10	64QAM	50	0	20.25	20.35	20.24	21.00
10	256QAM	1	0	18.18	18.31	18.19	19.00
10	256QAM	1	25	18.15	18.29	18.17	19.00
10	256QAM	1	49	18.27	18.40	18.25	19.00
10	256QAM	25	0	18.07	18.23	18.10	19.00
10	256QAM	25	12	18.23	18.40	18.25	19.00
10	256QAM	25	25	18.20	18.29	18.13	19.00
10	256QAM	50	0	18.11	18.28	18.11	19.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.25	23.26	23.30	24.00
5	QPSK	1	12	22.94	23.16	22.94	24.00
5	QPSK	1	24	22.99	23.24	22.99	24.00
5	QPSK	12	0	22.19	22.19	22.25	23.00
5	QPSK	12	7	21.96	22.12	21.94	23.00
5	QPSK	12	13	21.96	22.10	22.08	23.00
5	QPSK	25	0	22.16	22.18	22.07	23.00
5	16QAM	1	0	21.95	22.15	21.99	23.00
5	16QAM	1	12	22.10	22.22	22.10	23.00
5	16QAM	1	24	22.05	22.25	22.01	23.00
5	16QAM	12	0	21.18	21.24	21.05	22.00
5	16QAM	12	7	21.13	21.31	20.99	22.00
5	16QAM	12	13	21.25	21.35	21.16	22.00
5	16QAM	25	0	21.14	21.16	21.04	22.00
5	64QAM	1	0	21.03	21.29	21.16	22.00
5	64QAM	1	12	21.19	21.33	21.11	22.00
5	64QAM	1	24	21.00	21.17	20.98	22.00
5	64QAM	12	0	20.00	20.27	20.07	21.00
5	64QAM	12	7	20.24	20.27	20.01	21.00
5	64QAM	12	13	20.08	20.31	20.17	21.00
5	64QAM	25	0	20.12	20.20	20.20	21.00
5	256QAM	1	0	18.17	18.18	18.08	19.00
5	256QAM	1	12	18.09	18.27	18.14	19.00
5	256QAM	1	24	18.22	18.37	18.21	19.00
5	256QAM	12	0	17.97	18.20	18.04	19.00
5	256QAM	12	7	18.14	18.36	18.17	19.00
5	256QAM	12	13	18.18	18.18	18.08	19.00
5	256QAM	25	0	18.05	18.17	17.99	19.00

【LTE Band 17_Ant 1_DSI 2】

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	23.36	23.39	23.33	24.00
10	QPSK	1	25	23.06	23.24	23.08	24.00
10	QPSK	1	49	23.12	23.28	23.10	24.00
10	QPSK	25	0	22.30	22.32	22.28	23.00
10	QPSK	25	12	22.08	22.18	22.07	23.00
10	QPSK	25	25	22.11	22.20	22.09	23.00
10	QPSK	50	0	22.25	22.30	22.20	23.00
10	16QAM	1	0	22.07	22.21	22.06	23.00
10	16QAM	1	25	22.18	22.32	22.20	23.00
10	16QAM	1	49	22.17	22.27	22.10	23.00
10	16QAM	25	0	21.26	21.36	21.19	22.00
10	16QAM	25	12	21.18	21.33	21.14	22.00
10	16QAM	25	25	21.29	21.39	21.22	22.00
10	16QAM	50	0	21.20	21.27	21.15	22.00
10	64QAM	1	0	21.18	21.31	21.24	22.00
10	64QAM	1	25	21.29	21.38	21.18	22.00
10	64QAM	1	49	21.14	21.23	21.04	22.00
10	64QAM	25	0	20.14	20.30	20.21	21.00
10	64QAM	25	12	20.25	20.31	20.11	21.00
10	64QAM	25	25	20.23	20.35	20.27	21.00
10	64QAM	50	0	20.25	20.35	20.24	21.00
10	256QAM	1	0	18.18	18.31	18.19	19.00
10	256QAM	1	25	18.15	18.29	18.17	19.00
10	256QAM	1	49	18.27	18.40	18.25	19.00
10	256QAM	25	0	18.07	18.23	18.10	19.00
10	256QAM	25	12	18.23	18.40	18.25	19.00
10	256QAM	25	25	18.20	18.29	18.13	19.00
10	256QAM	50	0	18.11	18.28	18.11	19.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.25	23.26	23.30	24.00
5	QPSK	1	12	22.94	23.16	22.94	24.00
5	QPSK	1	24	22.99	23.24	22.99	24.00
5	QPSK	12	0	22.19	22.19	22.25	23.00
5	QPSK	12	7	21.96	22.12	21.94	23.00
5	QPSK	12	13	21.96	22.10	22.08	23.00
5	QPSK	25	0	22.16	22.18	22.07	23.00
5	16QAM	1	0	21.95	22.15	21.99	23.00
5	16QAM	1	12	22.10	22.22	22.10	23.00
5	16QAM	1	24	22.05	22.25	22.01	23.00
5	16QAM	12	0	21.18	21.24	21.05	22.00
5	16QAM	12	7	21.13	21.31	20.99	22.00
5	16QAM	12	13	21.25	21.35	21.16	22.00
5	16QAM	25	0	21.14	21.16	21.04	22.00
5	64QAM	1	0	21.03	21.29	21.16	22.00
5	64QAM	1	12	21.19	21.33	21.11	22.00
5	64QAM	1	24	21.00	21.17	20.98	22.00
5	64QAM	12	0	20.00	20.27	20.07	21.00
5	64QAM	12	7	20.24	20.27	20.01	21.00
5	64QAM	12	13	20.08	20.31	20.17	21.00
5	64QAM	25	0	20.12	20.20	20.20	21.00
5	256QAM	1	0	18.17	18.18	18.08	19.00
5	256QAM	1	12	18.09	18.27	18.14	19.00
5	256QAM	1	24	18.22	18.37	18.21	19.00
5	256QAM	12	0	17.97	18.20	18.04	19.00
5	256QAM	12	7	18.14	18.36	18.17	19.00
5	256QAM	12	13	18.18	18.18	18.08	19.00
5	256QAM	25	0	18.05	18.17	17.99	19.00



【LTE Band 17_Ant 1_DSI 3】

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	19.85	20.00	19.88	21.70
10	QPSK	1	25	19.77	19.82	19.77	21.70
10	QPSK	1	49	19.82	19.86	19.81	21.70
10	QPSK	25	0	19.83	19.98	19.81	21.70
10	QPSK	25	12	19.76	19.90	19.84	21.70
10	QPSK	25	25	19.84	19.85	19.77	21.70
10	QPSK	50	0	19.87	19.92	19.85	21.70
10	16QAM	1	0	19.76	19.82	19.78	21.70
10	16QAM	1	25	19.77	19.88	19.79	21.70
10	16QAM	1	49	19.81	19.83	19.76	21.70
10	16QAM	25	0	19.78	19.83	19.78	21.70
10	16QAM	25	12	19.82	19.85	19.88	21.70
10	16QAM	25	25	19.84	19.84	19.87	21.70
10	16QAM	50	0	19.85	19.90	19.84	21.70
10	64QAM	1	0	19.79	19.80	19.78	21.70
10	64QAM	1	25	19.83	19.83	19.84	21.70
10	64QAM	1	49	19.84	19.82	19.86	21.70
10	64QAM	25	0	19.15	19.14	19.18	21.00
10	64QAM	25	12	19.14	19.16	19.07	21.00
10	64QAM	25	25	19.11	19.11	19.08	21.00
10	64QAM	50	0	19.11	19.15	19.06	21.00
10	256QAM	1	0	17.09	17.17	17.17	19.00
10	256QAM	1	25	17.15	17.21	17.11	19.00
10	256QAM	1	49	17.06	17.22	17.11	19.00
10	256QAM	25	0	17.14	17.16	17.14	19.00
10	256QAM	25	12	17.12	17.20	17.12	19.00
10	256QAM	25	25	17.07	17.12	17.18	19.00
10	256QAM	50	0	17.09	17.16	17.13	19.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	19.75	19.94	19.78	21.70
5	QPSK	1	12	19.73	19.77	19.70	21.70
5	QPSK	1	24	19.78	19.74	19.75	21.70
5	QPSK	12	0	19.79	19.94	19.76	21.70
5	QPSK	12	7	19.75	19.81	19.82	21.70
5	QPSK	12	13	19.78	19.70	19.73	21.70
5	QPSK	25	0	19.77	19.90	19.80	21.70
5	16QAM	1	0	19.72	19.70	19.70	21.70
5	16QAM	1	12	19.76	19.78	19.70	21.70
5	16QAM	1	24	19.72	19.73	19.71	21.70
5	16QAM	12	0	19.70	19.80	19.72	21.70
5	16QAM	12	7	19.72	19.70	19.83	21.70
5	16QAM	12	13	19.77	19.82	19.79	21.70
5	16QAM	25	0	19.75	19.79	19.72	21.70
5	64QAM	1	0	19.73	19.70	19.76	21.70
5	64QAM	1	12	19.78	19.70	19.82	21.70
5	64QAM	1	24	19.74	19.74	19.78	21.70
5	64QAM	12	0	19.01	19.00	19.10	21.00
5	64QAM	12	7	19.05	19.09	19.00	21.00
5	64QAM	12	13	19.04	19.04	19.07	21.00
5	64QAM	25	0	19.02	19.07	19.00	21.00
5	256QAM	1	0	17.01	17.13	17.16	19.00
5	256QAM	1	12	17.06	17.12	17.10	19.00
5	256QAM	1	24	17.01	17.19	17.02	19.00
5	256QAM	12	0	17.06	17.05	17.11	19.00
5	256QAM	12	7	17.02	17.12	17.01	19.00
5	256QAM	12	13	17.01	17.04	17.17	19.00
5	256QAM	25	0	17.02	17.06	17.03	19.00

【LTE Band 17_Ant 1_DSI 4】

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	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	19.85	20.00	19.88	21.70
10	QPSK	1	25	19.77	19.82	19.77	21.70
10	QPSK	1	49	19.82	19.86	19.81	21.70
10	QPSK	25	0	19.83	19.98	19.81	21.70
10	QPSK	25	12	19.76	19.90	19.84	21.70
10	QPSK	25	25	19.84	19.85	19.77	21.70
10	QPSK	50	0	19.87	19.92	19.85	21.70
10	16QAM	1	0	19.76	19.82	19.78	21.70
10	16QAM	1	25	19.77	19.88	19.79	21.70
10	16QAM	1	49	19.81	19.83	19.76	21.70
10	16QAM	25	0	19.78	19.83	19.78	21.70
10	16QAM	25	12	19.82	19.85	19.88	21.70
10	16QAM	25	25	19.84	19.84	19.87	21.70
10	16QAM	50	0	19.85	19.90	19.84	21.70
10	64QAM	1	0	19.79	19.80	19.78	21.70
10	64QAM	1	25	19.83	19.83	19.84	21.70
10	64QAM	1	49	19.84	19.82	19.86	21.70
10	64QAM	25	0	19.15	19.14	19.18	21.00
10	64QAM	25	12	19.14	19.16	19.07	21.00
10	64QAM	25	25	19.11	19.11	19.08	21.00
10	64QAM	50	0	19.11	19.15	19.06	21.00
10	256QAM	1	0	17.09	17.17	17.17	19.00
10	256QAM	1	25	17.15	17.21	17.11	19.00
10	256QAM	1	49	17.06	17.22	17.11	19.00
10	256QAM	25	0	17.14	17.16	17.14	19.00
10	256QAM	25	12	17.12	17.20	17.12	19.00
10	256QAM	25	25	17.07	17.12	17.18	19.00
10	256QAM	50	0	17.09	17.16	17.13	19.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	19.75	19.94	19.78	21.70
5	QPSK	1	12	19.73	19.77	19.70	21.70
5	QPSK	1	24	19.78	19.74	19.75	21.70
5	QPSK	12	0	19.79	19.94	19.76	21.70
5	QPSK	12	7	19.75	19.81	19.82	21.70
5	QPSK	12	13	19.78	19.70	19.73	21.70
5	QPSK	25	0	19.77	19.90	19.80	21.70
5	16QAM	1	0	19.72	19.70	19.70	21.70
5	16QAM	1	12	19.76	19.78	19.70	21.70
5	16QAM	1	24	19.72	19.73	19.71	21.70
5	16QAM	12	0	19.70	19.80	19.72	21.70
5	16QAM	12	7	19.72	19.70	19.83	21.70
5	16QAM	12	13	19.77	19.82	19.79	21.70
5	16QAM	25	0	19.75	19.79	19.72	21.70
5	64QAM	1	0	19.73	19.70	19.76	21.70
5	64QAM	1	12	19.78	19.70	19.82	21.70
5	64QAM	1	24	19.74	19.74	19.78	21.70
5	64QAM	12	0	19.01	19.00	19.10	21.00
5	64QAM	12	7	19.05	19.09	19.00	21.00
5	64QAM	12	13	19.04	19.04	19.07	21.00
5	64QAM	25	0	19.02	19.07	19.00	21.00
5	256QAM	1	0	17.01	17.13	17.16	19.00
5	256QAM	1	12	17.06	17.12	17.10	19.00
5	256QAM	1	24	17.01	17.19	17.02	19.00
5	256QAM	12	0	17.06	17.05	17.11	19.00
5	256QAM	12	7	17.02	17.12	17.01	19.00
5	256QAM	12	13	17.01	17.04	17.17	19.00
5	256QAM	25	0	17.02	17.06	17.03	19.00