

8 CONDUCTED RF OUPUT POWER

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8.1 WCDMA Output Power

WCDMA II Full Power				
Band	Band 2			Tune-up Limit Power(dBm)
TX Channel	9262	9400	9538	
RX Channel	9662	9800	9938	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	23.11	23.30	23.25	24.50
HSDPA Subtest-1	22.15	22.17	22.19	23.00
HSDPA Subtest-2	22.27	22.48	22.51	23.00
HSDPA Subtest-3	21.84	22.00	22.04	23.00
HSDPA Subtest-4	21.83	21.98	22.02	23.00
HSUPA Subtest-1	22.19	22.36	22.46	23.00
HSUPA Subtest-2	20.29	20.46	20.55	21.50
HSUPA Subtest-3	21.19	21.33	21.41	22.50
HSUPA Subtest-4	20.29	20.46	20.53	21.50
HSUPA Subtest-5	22.26	22.50	22.49	23.00

8.1 WCDMA Output Power

WCDMA II state1				
Band	Band 2			Tune-up Limit Power(dBm)
TX Channel	9262	9400	9538	
RX Channel	9662	9800	9938	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	11.75	11.96	11.81	12.50
HSDPA Subtest-1	10.43	10.46	10.37	11.00
HSDPA Subtest-2	10.35	10.57	10.43	11.00
HSDPA Subtest-3	10.39	10.56	10.38	11.00
HSDPA Subtest-4	10.37	10.55	10.46	11.00
HSUPA Subtest-1	10.33	10.45	10.31	11.00
HSUPA Subtest-2	8.41	8.42	8.26	9.00
HSUPA Subtest-3	9.41	9.44	9.30	10.00
HSUPA Subtest-4	8.38	8.41	8.29	9.00
HSUPA Subtest-5	10.32	10.42	10.26	11.50

8.1 WCDMA Output Power

WCDMA IV Full Power				
Band	Band 4			Tune-up Limit Power(dBm)
TX Channel	1312	1413	1513	
RX Channel	1537	1638	1738	
Frequency	1712.40	1732.60	1752.60	
RMC 12.2Kbps	23.39	23.40	23.38	24.50
HSDPA Subtest-1	22.42	22.49	22.27	23.50
HSDPA Subtest-2	22.66	22.64	22.56	23.50
HSDPA Subtest-3	22.13	22.16	22.07	23.00
HSDPA Subtest-4	22.11	22.14	22.08	23.00
HSUPA Subtest-1	22.59	22.63	22.48	23.50
HSUPA Subtest-2	20.49	20.63	20.57	21.50
HSUPA Subtest-3	21.68	21.66	21.54	22.50
HSUPA Subtest-4	20.67	20.63	20.58	21.50
HSUPA Subtest-5	22.39	22.53	22.36	23.50

8.1 WCDMA Output Power

WCDMA IV state1				
Band	Band 4			Tune-up Limit Power(dBm)
TX Channel	1312	1413	1513	
RX Channel	1537	1638	1738	
Frequency	1712.40	1732.60	1752.60	
RMC 12.2Kbps	14.15	14.17	14.08	15.00
HSDPA Subtest-1	13.51	13.54	13.46	14.50
HSDPA Subtest-2	13.78	13.28	13.70	14.50
HSDPA Subtest-3	13.24	12.74	13.21	14.00
HSDPA Subtest-4	13.22	12.73	13.20	14.00
HSUPA Subtest-1	13.42	13.51	13.45	14.50
HSUPA Subtest-2	11.49	11.48	11.38	12.00
HSUPA Subtest-3	12.46	12.52	12.43	13.50
HSUPA Subtest-4	11.47	11.52	11.40	12.50
HSUPA Subtest-5	13.49	13.52	13.38	14.50

8.1 WCDMA Output Power

WCDMA V Full Power				
Band	Band 5			Tune-up Limit Power(dBm)
TX Channel	4132	4182	4233	
RX Channel	4357	4407	4458	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	23.52	23.56	23.51	24.50
HSDPA Subtest-1	22.47	22.54	22.52	23.50
HSDPA Subtest-2	22.50	22.58	22.56	23.50
HSDPA Subtest-3	22.10	22.11	22.27	23.00
HSDPA Subtest-4	22.10	22.11	22.07	23.00
HSUPA Subtest-1	22.51	22.51	22.67	23.50
HSUPA Subtest-2	20.55	20.54	20.63	21.50
HSUPA Subtest-3	21.54	21.52	21.68	22.50
HSUPA Subtest-4	20.46	20.56	20.54	21.50
HSUPA Subtest-5	22.41	22.60	22.55	23.50

8.1 WCDMA Output Power

WCDMA V State1				
Band	Band 5			Tune-up Limit Power(dBm)
TX Channel	4132	4182	4233	
RX Channel	4357	4407	4458	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	22.19	22.20	22.18	23.00
HSDPA Subtest-1	21.27	21.30	21.28	22.00
HSDPA Subtest-2	21.34	21.38	21.55	22.00
HSDPA Subtest-3	20.81	20.87	21.05	21.50
HSDPA Subtest-4	20.88	20.89	21.04	21.50
HSUPA Subtest-1	21.14	21.23	21.27	22.00
HSUPA Subtest-2	19.62	19.70	19.74	20.50
HSUPA Subtest-3	20.64	20.77	20.75	21.50
HSUPA Subtest-4	19.72	19.75	19.67	20.50
HSUPA Subtest-5	21.19	21.21	21.18	22.00

8.2.1 LTE Band2 Output Power

LTE B2 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	1	0	QPSK	23.15	23.27	23.41	24.50
		49	QPSK	23.81	24.14	23.28	24.50
		99	QPSK	23.11	23.80	23.16	24.50
	50	0	QPSK	22.48	22.27	22.62	23.50
		24	QPSK	22.42	22.44	22.40	23.50
		50	QPSK	22.39	22.74	22.34	23.50
	100	0	QPSK	22.43	22.42	22.55	23.50
20	1	0	16QAM	22.74	22.54	23.20	23.50
		49	16QAM	23.28	22.89	23.20	23.50
		99	16QAM	22.59	22.72	23.25	23.50
	50	0	16QAM	21.54	21.33	21.68	22.50
		24	16QAM	21.51	21.45	21.58	22.50
		50	16QAM	21.41	21.78	21.20	22.50
	100	0	16QAM	21.50	21.40	21.56	22.50
20	1	0	64QAM	21.48	21.87	21.65	22.50
		49	64QAM	22.18	22.45	21.61	22.50
		99	64QAM	21.24	22.26	21.54	22.50
	50	0	64QAM	20.61	20.30	20.70	21.50
		24	64QAM	20.60	20.48	20.57	21.50
		50	64QAM	20.50	20.73	20.34	21.50
	100	0	64QAM	20.49	20.38	20.66	21.50
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	1	0	QPSK	23.13	23.06	23.31	24.50
		37	QPSK	23.77	23.81	23.27	24.50
		74	QPSK	23.07	23.55	23.17	24.50
	36	0	QPSK	22.40	22.30	22.49	23.50
		20	QPSK	22.38	22.49	22.52	23.50
		39	QPSK	22.40	22.70	22.44	23.50
	75	0	QPSK	22.41	22.41	22.46	23.50
15	1	0	16QAM	23.01	23.09	22.85	23.50
		37	16QAM	23.17	23.33	22.69	23.50
		74	16QAM	22.08	23.14	22.60	23.50
	36	0	16QAM	21.39	21.28	21.49	22.50
		20	16QAM	21.41	21.44	21.54	22.50
		39	16QAM	21.41	21.85	21.51	22.50
	75	0	16QAM	21.40	21.45	21.50	22.50
15	1	0	64QAM	21.96	21.27	21.56	22.50
		37	64QAM	22.32	21.73	21.44	22.50
		74	64QAM	21.81	21.62	21.42	22.50
	36	0	64QAM	20.52	20.37	20.42	21.50
		20	64QAM	20.47	20.68	20.36	21.50
		39	64QAM	20.47	20.86	20.30	21.50
	75	0	64QAM	20.56	20.44	20.44	21.50
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	1	0	QPSK	23.16	23.13	23.33	24.50
		25	QPSK	23.80	23.83	23.72	24.50
		49	QPSK	23.22	23.57	23.76	24.50
	25	0	QPSK	22.34	22.35	22.37	23.50
		12	QPSK	22.42	22.48	22.47	23.50
		25	QPSK	22.48	22.61	22.49	23.50
	50	0	QPSK	22.36	22.43	22.44	23.50
10	1	0	16QAM	22.96	23.01	22.63	23.50
		25	16QAM	23.47	23.41	22.73	23.50
		49	16QAM	22.73	23.37	22.60	23.50
	25	0	16QAM	21.30	21.25	21.54	22.50
		12	16QAM	21.32	21.33	21.69	22.50
		25	16QAM	21.57	21.80	21.68	22.50
	50	0	16QAM	21.29	21.41	21.49	22.50
10	1	0	64QAM	21.86	21.64	21.41	22.50
		25	64QAM	22.42	21.76	21.53	22.50
		49	64QAM	21.93	21.54	21.68	22.50
	25	0	64QAM	20.41	20.35	20.35	21.50
		12	64QAM	20.42	20.42	20.42	21.50
		25	64QAM	20.55	20.77	20.60	21.50
	50	0	64QAM	20.48	20.45	20.42	21.50

Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	1	0	QPSK	23.05	23.18	23.04	24.50
		12	QPSK	23.55	23.57	23.43	24.50
		24	QPSK	23.13	23.19	23.36	24.50
	12	0	QPSK	22.27	22.39	22.20	23.50
		7	QPSK	22.39	22.48	22.40	23.50
		13	QPSK	22.47	22.55	22.46	23.50
25	0	QPSK	22.38	22.41	22.30	23.50	
5	1	0	16QAM	22.04	22.67	22.18	23.50
		12	16QAM	22.52	23.22	22.60	23.50
		24	16QAM	22.11	23.13	22.41	23.50
	12	0	16QAM	21.20	21.27	21.19	22.50
		7	16QAM	21.23	21.34	21.32	22.50
		13	16QAM	21.44	21.47	21.49	22.50
25	0	16QAM	21.42	21.34	21.24	22.50	
5	1	0	64QAM	20.68	21.46	21.20	22.50
		12	64QAM	21.44	21.90	21.28	22.50
		24	64QAM	21.24	21.55	20.95	22.50
	12	0	64QAM	20.20	20.37	20.14	21.50
		7	64QAM	20.22	20.55	20.38	21.50
		13	64QAM	20.43	20.68	20.55	21.50
25	0	64QAM	20.45	20.44	20.23	21.50	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	1	0	QPSK	23.25	23.25	23.19	24.50
		8	QPSK	23.52	23.51	23.60	24.50
		14	QPSK	23.47	23.66	23.65	24.50
	8	0	QPSK	22.40	22.38	22.24	23.50
		4	QPSK	22.45	22.38	22.35	23.50
		7	QPSK	22.48	22.49	22.44	23.50
15	0	QPSK	22.43	22.43	22.29	23.50	
3	1	0	16QAM	22.83	22.82	22.13	23.50
		8	16QAM	23.01	23.06	22.38	23.50
		14	16QAM	22.82	22.98	22.20	23.50
	8	0	16QAM	21.54	21.61	21.08	22.50
		4	16QAM	21.63	21.67	21.26	22.50
		7	16QAM	21.67	21.70	21.36	22.50
15	0	16QAM	21.36	21.63	21.27	22.50	
3	1	0	64QAM	21.87	21.60	21.28	22.50
		8	64QAM	22.13	21.69	21.30	22.50
		14	64QAM	22.01	21.63	21.30	22.50
	8	0	64QAM	20.40	20.41	20.28	21.50
		4	64QAM	20.60	20.46	20.34	21.50
		7	64QAM	20.71	20.49	20.40	21.50
15	0	64QAM	20.47	20.65	20.47	21.50	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	1	0	QPSK	23.41	23.27	23.32	24.50
		3	QPSK	23.61	23.73	23.68	24.50
		5	QPSK	23.55	23.36	23.59	24.50
	3	0	QPSK	23.37	23.31	23.30	24.50
		1	QPSK	23.44	23.32	23.42	24.50
		3	QPSK	23.41	23.41	23.38	24.50
6	0	QPSK	22.36	22.41	22.34	23.50	
1.4	1	0	16QAM	22.60	22.46	22.55	23.50
		3	16QAM	22.78	22.47	22.83	23.50
		5	16QAM	22.70	22.31	22.60	23.50
	3	0	16QAM	22.48	22.45	22.37	23.50
		1	16QAM	22.50	22.43	22.41	23.50
		3	16QAM	22.56	22.43	22.53	23.50
6	0	16QAM	21.39	21.21	21.32	22.50	
1.4	1	0	64QAM	21.51	21.29	21.79	22.50
		3	64QAM	21.69	21.55	21.93	22.50
		5	64QAM	21.55	21.36	21.77	22.50
	3	0	64QAM	21.43	21.25	21.46	22.50
		1	64QAM	21.43	21.25	21.46	22.50
		3	64QAM	21.53	21.35	21.56	22.50
6	0	64QAM	20.52	20.40	20.43	21.50	

8.2.1 LTE Band2 Output Power

LTE B2 state1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	1	0	QPSK	11.96	11.77	12.74	13.00
		49	QPSK	12.62	12.83	12.76	13.00
		99	QPSK	11.89	11.74	12.81	13.00
	50	0	QPSK	11.19	11.90	12.72	13.00
		24	QPSK	12.21	12.30	12.28	13.00
		50	QPSK	11.05	12.63	12.01	13.00
	100	0	QPSK	11.22	11.88	12.41	13.00
20	1	0	16QAM	11.45	11.26	11.82	12.00
		49	16QAM	11.14	11.33	11.56	12.00
		99	16QAM	11.55	11.79	11.38	12.00
	50	0	16QAM	10.23	10.84	10.71	11.00
		24	16QAM	10.66	10.01	10.28	11.00
		50	16QAM	10.08	10.67	10.01	11.00
	100	0	16QAM	10.26	10.67	10.44	11.00
20	1	0	64QAM	10.91	10.66	10.67	11.00
		49	64QAM	10.49	10.82	10.73	11.00
		99	64QAM	10.52	10.62	10.75	11.00
	50	0	64QAM	9.92	9.64	9.73	10.00
		24	64QAM	9.87	9.74	9.73	10.00
		50	64QAM	9.47	9.77	9.73	10.00
	100	0	64QAM	9.64	9.68	9.74	10.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	1	0	QPSK	11.16	11.21	12.76	13.00
		37	QPSK	12.68	12.81	12.69	13.00
		74	QPSK	11.38	12.71	12.02	13.00
	36	0	QPSK	11.17	11.74	11.07	12.00
		20	QPSK	11.65	11.91	11.08	12.00
		39	QPSK	11.24	11.34	11.04	12.00
	75	0	QPSK	11.20	11.75	11.09	12.00
15	1	0	16QAM	11.07	11.31	11.40	12.00
		37	16QAM	11.61	11.18	11.41	12.00
		74	16QAM	11.65	11.78	11.46	12.00
	36	0	16QAM	10.16	10.53	10.06	11.00
		20	16QAM	10.36	10.56	10.09	11.00
		39	16QAM	10.25	10.41	10.04	11.00
	75	0	16QAM	10.21	10.51	10.11	11.00
15	1	0	64QAM	10.87	10.63	10.54	11.00
		37	64QAM	10.39	10.79	10.70	11.00
		74	64QAM	10.37	10.55	10.70	11.00
	36	0	64QAM	9.88	9.55	9.61	10.00
		20	64QAM	9.72	9.62	9.67	10.00
		39	64QAM	9.39	9.72	9.60	10.00
	75	0	64QAM	9.58	9.59	9.69	10.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	1	0	QPSK	11.48	11.53	12.42	13.00
		25	QPSK	12.69	12.79	12.72	13.00
		49	QPSK	11.95	12.74	12.75	13.00
	25	0	QPSK	11.23	11.18	11.82	12.00
		12	QPSK	11.57	11.93	11.17	12.00
		25	QPSK	11.52	11.16	11.35	12.00
	50	0	QPSK	11.28	11.79	11.13	12.00
10	1	0	16QAM	11.37	11.83	11.46	12.00
		25	16QAM	11.60	11.26	11.23	12.00
		49	16QAM	11.87	11.50	11.42	12.00
	25	0	16QAM	10.26	10.24	10.93	11.00
		12	16QAM	10.61	10.99	10.29	11.00
		25	16QAM	10.06	10.22	10.17	11.00
	50	0	16QAM	10.28	10.85	10.19	11.00
10	1	0	64QAM	10.82	10.53	10.54	11.00
		25	64QAM	10.41	10.73	10.61	11.00
		49	64QAM	10.44	10.59	10.70	11.00
	25	0	64QAM	9.82	9.55	9.60	10.00
		12	64QAM	9.83	9.70	9.67	10.00
		25	64QAM	9.37	9.71	9.67	10.00
	50	0	64QAM	9.49	9.59	9.72	10.00

Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	1	0	QPSK	11.70	12.08	12.70	13.00
		12	QPSK	12.45	12.68	12.70	13.00
		24	QPSK	12.17	12.81	12.78	13.00
	12	0	QPSK	11.12	11.60	11.23	12.00
		7	QPSK	11.41	11.95	11.62	12.00
		13	QPSK	11.41	11.07	11.77	12.00
	25	0	QPSK	11.27	11.84	11.52	12.00
5	1	0	16QAM	11.86	11.53	11.93	12.00
		12	16QAM	11.61	11.40	11.80	12.00
		24	16QAM	11.37	11.45	11.73	12.00
	12	0	16QAM	10.22	10.76	10.31	11.00
		7	16QAM	10.01	10.11	10.09	11.00
		13	16QAM	10.05	10.24	10.06	11.00
	25	0	16QAM	10.32	10.93	10.51	11.00
5	1	0	64QAM	10.87	10.65	10.65	11.00
		12	64QAM	10.40	10.80	10.72	11.00
		24	64QAM	10.41	10.59	10.62	11.00
	12	0	64QAM	9.84	9.61	9.62	10.00
		7	64QAM	9.72	9.68	9.70	10.00
		13	64QAM	9.34	9.63	9.62	10.00
	25	0	64QAM	9.60	9.65	9.65	10.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	1	0	QPSK	11.30	12.53	12.33	13.00
		8	QPSK	12.35	12.81	12.70	13.00
		14	QPSK	12.31	12.67	12.77	13.00
	8	0	QPSK	11.16	11.85	11.66	12.00
		4	QPSK	11.30	11.96	11.79	12.00
		7	QPSK	11.34	12.00	11.93	12.00
	15	0	QPSK	11.27	11.91	11.76	12.00
3	1	0	16QAM	11.79	11.86	11.44	12.00
		8	16QAM	11.29	11.30	11.97	12.00
		14	16QAM	11.26	11.47	12.00	12.00
	8	0	16QAM	10.30	10.95	10.73	11.00
		4	16QAM	10.40	10.87	10.53	11.00
		7	16QAM	10.46	10.61	10.55	11.00
	15	0	16QAM	10.23	10.98	10.84	11.00
3	1	0	64QAM	10.76	10.62	10.61	11.00
		8	64QAM	10.36	10.80	10.67	11.00
		14	64QAM	10.49	10.57	10.67	11.00
	8	0	64QAM	9.91	9.54	9.64	10.00
		4	64QAM	9.77	9.66	9.59	10.00
		7	64QAM	9.46	9.68	9.71	10.00
	15	0	64QAM	9.62	9.59	9.68	10.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	1	0	QPSK	12.18	12.71	12.44	13.00
		3	QPSK	12.28	12.76	12.53	13.00
		5	QPSK	12.29	12.72	12.63	13.00
	3	0	QPSK	12.16	12.73	12.44	13.00
		1	QPSK	12.22	12.69	12.56	13.00
		3	QPSK	12.22	12.71	12.62	13.00
	6	0	QPSK	11.16	11.93	11.48	12.00
1.4	1	0	16QAM	11.22	11.20	11.41	12.00
		3	16QAM	11.34	11.29	11.59	12.00
		5	16QAM	11.36	11.31	11.70	12.00
	3	0	16QAM	11.19	11.07	11.64	12.00
		1	16QAM	11.27	11.12	11.80	12.00
		3	16QAM	11.29	11.10	11.79	12.00
	6	0	16QAM	10.34	10.89	10.74	11.00
1.4	1	0	64QAM	10.83	10.55	10.66	11.00
		3	64QAM	10.44	10.81	10.61	11.00
		5	64QAM	10.44	10.55	10.71	11.00
	3	0	64QAM	9.78	9.55	9.65	11.00
		1	64QAM	9.85	9.61	9.62	11.00
		3	64QAM	9.37	9.72	9.63	11.00
	6	0	64QAM	9.57	9.60	9.61	10.00

8.2.2 LTE Band4 Output Power

LTE B4 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	1	0	QPSK	23.14	22.94	23.25	24.50
		49	QPSK	23.42	23.92	23.88	24.50
		99	QPSK	23.25	23.34	23.17	24.50
	50	0	QPSK	22.52	22.26	22.69	23.50
		24	QPSK	22.41	22.55	22.53	23.50
		50	QPSK	22.41	22.48	22.38	23.50
100	0	QPSK	22.43	22.32	22.54	23.50	
20	1	0	16QAM	23.14	22.56	22.60	23.50
		49	16QAM	23.46	23.48	22.80	23.50
		99	16QAM	23.31	22.84	22.19	23.50
	50	0	16QAM	21.45	21.22	21.60	22.50
		24	16QAM	21.38	21.31	21.38	22.50
		50	16QAM	21.33	21.55	21.27	22.50
100	0	16QAM	21.43	21.24	21.45	22.50	
20	1	0	64QAM	21.64	21.36	21.89	22.50
		49	64QAM	22.14	22.44	22.19	22.50
		99	64QAM	21.80	21.60	21.69	22.50
	50	0	64QAM	20.55	20.24	20.62	21.50
		24	64QAM	20.54	20.47	20.40	21.50
		50	64QAM	20.43	20.66	20.28	21.50
100	0	64QAM	20.45	20.23	20.51	21.50	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	1	0	QPSK	23.02	22.82	23.10	24.50
		37	QPSK	23.29	23.90	23.75	24.50
		74	QPSK	23.16	23.20	23.06	24.50
	36	0	QPSK	22.37	22.14	22.68	23.50
		20	QPSK	22.26	22.28	22.50	23.50
		39	QPSK	22.31	22.36	22.29	23.50
75	0	QPSK	22.41	22.28	22.42	23.50	
15	1	0	16QAM	22.99	22.41	22.48	23.50
		37	16QAM	23.42	23.36	22.78	23.50
		74	16QAM	23.25	22.80	22.11	23.50
	36	0	16QAM	21.36	21.19	21.46	22.50
		20	16QAM	21.24	21.30	21.30	22.50
		39	16QAM	21.29	21.48	21.18	22.50
75	0	16QAM	21.42	21.16	21.40	22.50	
15	1	0	64QAM	21.50	21.23	21.85	22.50
		37	64QAM	22.10	22.38	22.18	22.50
		74	64QAM	21.76	21.51	21.55	22.50
	36	0	64QAM	20.54	20.21	20.51	21.50
		20	64QAM	20.41	20.37	20.26	21.50
		39	64QAM	20.30	20.54	20.13	21.50
75	0	64QAM	20.40	20.13	20.48	21.50	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	1	0	QPSK	23.09	22.83	23.10	24.50
		25	QPSK	23.36	23.80	23.73	24.50
		49	QPSK	23.21	23.19	23.09	24.50
	25	0	QPSK	22.38	22.25	22.59	23.50
		12	QPSK	22.28	22.30	22.43	23.50
		25	QPSK	22.27	22.43	22.33	23.50
50	0	QPSK	22.31	22.24	22.45	23.50	
10	1	0	16QAM	23.10	22.46	22.56	23.50
		25	16QAM	23.39	23.46	22.65	23.50
		49	16QAM	23.28	22.79	22.10	23.50
	25	0	16QAM	21.39	21.20	21.48	22.50
		12	16QAM	21.32	21.17	21.35	22.50
		25	16QAM	21.32	21.43	21.20	22.50
50	0	16QAM	21.40	21.21	21.30	22.50	
10	1	0	64QAM	21.52	21.23	21.82	22.50
		25	64QAM	22.06	22.43	22.06	22.50
		49	64QAM	21.77	21.59	21.58	22.50
	25	0	64QAM	20.44	20.14	20.48	21.50
		12	64QAM	20.51	20.39	20.37	21.50
		25	64QAM	20.42	20.52	20.25	21.50
50	0	64QAM	20.43	20.08	20.44	21.50	

Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	1	0	QPSK	23.02	22.84	23.12	24.50
		12	QPSK	23.30	23.85	23.74	24.50
		24	QPSK	23.12	23.20	23.10	24.50
	12	0	QPSK	22.40	22.17	22.58	23.50
		7	QPSK	22.30	22.25	22.42	23.50
		13	QPSK	22.32	22.37	22.30	23.50
	25	0	QPSK	22.34	22.31	22.49	23.50
5	1	0	16QAM	23.10	22.44	22.46	23.50
		12	16QAM	23.37	23.44	22.75	23.50
		24	16QAM	23.23	22.74	22.12	23.50
	12	0	16QAM	21.42	21.15	21.50	22.50
		7	16QAM	21.35	21.22	21.31	22.50
		13	16QAM	21.29	21.49	21.16	22.50
	25	0	16QAM	21.39	21.10	21.31	22.50
5	1	0	64QAM	21.53	21.35	21.75	22.50
		12	64QAM	22.13	22.37	22.05	22.50
		24	64QAM	21.67	21.59	21.55	22.50
	12	0	64QAM	20.53	20.20	20.56	21.50
		7	64QAM	20.49	20.39	20.29	21.50
		13	64QAM	20.30	20.61	20.19	21.50
	25	0	64QAM	20.35	20.13	20.50	21.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	1	0	QPSK	23.01	22.92	23.18	24.50
		8	QPSK	23.27	23.86	23.85	24.50
		14	QPSK	23.14	23.25	23.14	24.50
	8	0	QPSK	22.41	22.14	22.60	23.50
		4	QPSK	22.26	22.29	22.52	23.50
		7	QPSK	22.37	22.33	22.29	23.50
	15	0	QPSK	22.28	22.20	22.45	23.50
3	1	0	16QAM	22.99	22.41	22.55	23.50
		8	16QAM	23.37	23.47	22.74	23.50
		14	16QAM	23.23	22.81	22.16	23.50
	8	0	16QAM	21.36	21.14	21.58	22.50
		4	16QAM	21.23	21.27	21.31	22.50
		7	16QAM	21.21	21.50	21.25	22.50
	15	0	16QAM	21.32	21.18	21.30	22.50
3	1	0	64QAM	21.57	21.27	21.87	22.50
		8	64QAM	22.08	22.41	22.07	22.50
		14	64QAM	21.68	21.56	21.56	22.50
	8	0	64QAM	20.46	20.16	20.49	21.50
		4	64QAM	20.48	20.40	20.35	21.50
		7	64QAM	20.41	20.56	20.22	21.50
	15	0	64QAM	20.30	20.19	20.49	21.50
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	1	0	QPSK	23.30	23.26	23.19	24.50
		3	QPSK	23.32	23.49	23.30	24.50
		5	QPSK	23.30	23.35	23.24	24.50
	3	0	QPSK	23.35	23.23	23.22	24.50
		1	QPSK	23.33	23.20	23.28	24.50
		3	QPSK	23.26	23.35	23.18	24.50
	6	0	QPSK	22.38	22.38	22.38	23.50
1.4	1	0	16QAM	22.44	22.48	22.33	23.50
		3	16QAM	22.60	22.73	22.40	23.50
		5	16QAM	22.55	22.58	22.34	23.50
	3	0	16QAM	22.44	22.32	22.39	23.50
		1	16QAM	22.41	22.32	22.39	23.50
		3	16QAM	22.48	22.40	22.31	23.50
	6	0	16QAM	21.46	21.52	21.23	22.50
1.4	1	0	64QAM	21.80	21.45	21.20	22.50
		3	64QAM	21.72	21.62	21.17	22.50
		5	64QAM	21.57	21.44	21.13	22.50
	3	0	64QAM	21.71	21.50	21.26	22.50
		1	64QAM	21.71	21.44	21.12	22.50
		3	64QAM	21.61	21.41	21.16	22.50
	6	0	64QAM	20.45	20.40	20.23	21.50

8.2.2 LTE Band4 Output Power

LTE B4 state1							
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	1	0	QPSK	14.48	14.49	13.90	15.50
		49	QPSK	13.86	14.79	14.67	15.50
		99	QPSK	14.30	14.56	14.16	15.50
	50	0	QPSK	13.06	12.89	14.24	14.50
		24	QPSK	12.90	13.73	14.25	14.50
		50	QPSK	12.59	13.92	13.49	14.50
	100	0	QPSK	12.82	13.53	13.81	14.50
20	1	0	16QAM	13.18	13.38	13.52	14.50
		49	16QAM	13.35	14.37	13.68	14.50
		99	16QAM	12.76	14.13	12.75	14.50
	50	0	16QAM	12.01	11.91	13.27	13.50
		24	16QAM	11.86	12.75	13.28	13.50
		50	16QAM	11.55	12.96	12.52	13.50
	100	0	16QAM	11.81	12.57	12.84	13.50
20	1	0	64QAM	12.44	12.35	11.77	13.50
		49	64QAM	11.77	12.71	12.57	13.50
		99	64QAM	12.16	12.48	12.02	13.50
	50	0	64QAM	11.45	11.36	10.88	12.50
		24	64QAM	10.72	11.72	11.57	12.50
		50	64QAM	11.19	11.55	11.12	12.50
	100	0	64QAM	11.38	11.46	10.76	12.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	1	0	QPSK	13.75	13.90	14.58	15.50
		37	QPSK	13.93	14.82	14.73	15.50
		74	QPSK	13.88	14.45	13.65	15.50
	36	0	QPSK	13.29	12.93	14.07	14.50
		20	QPSK	13.20	13.73	14.12	14.50
		39	QPSK	12.61	13.81	13.29	14.50
	75	0	QPSK	12.96	13.50	13.76	14.50
15	1	0	16QAM	13.00	13.33	14.09	14.50
		37	16QAM	13.18	14.24	14.21	14.50
		74	16QAM	12.94	13.88	12.67	14.50
	36	0	16QAM	12.25	12.00	13.05	13.50
		20	16QAM	12.17	12.78	13.11	13.50
		39	16QAM	11.59	12.85	12.28	13.50
	75	0	16QAM	11.95	12.53	12.76	13.50
15	1	0	64QAM	12.34	12.33	11.76	13.50
		37	64QAM	11.72	12.56	12.51	13.50
		74	64QAM	12.04	12.38	11.92	13.50
	36	0	64QAM	11.44	11.35	10.86	12.50
		20	64QAM	10.58	11.62	11.43	12.50
		39	64QAM	11.08	11.53	10.98	12.50
	75	0	64QAM	11.29	11.31	10.70	12.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	1	0	QPSK	13.98	14.37	14.58	15.50
		25	QPSK	14.21	14.74	14.71	15.50
		49	QPSK	14.28	14.52	14.34	15.50
	25	0	QPSK	13.52	13.13	13.85	14.50
		12	QPSK	13.40	13.70	13.68	14.50
		25	QPSK	12.91	13.70	13.16	14.50
	50	0	QPSK	13.18	13.52	13.48	14.50
10	1	0	16QAM	13.34	13.49	14.06	14.50
		25	16QAM	13.58	13.86	14.21	14.50
		49	16QAM	13.20	13.59	12.80	14.50
	25	0	16QAM	12.58	12.15	12.90	13.50
		12	16QAM	12.47	12.73	12.74	13.50
		25	16QAM	11.98	12.73	12.22	13.50
	50	0	16QAM	12.20	12.51	12.50	13.50
10	1	0	64QAM	12.35	12.23	11.68	13.50
		25	64QAM	11.74	12.59	12.48	13.50
		49	64QAM	12.02	12.40	11.87	13.50
	25	0	64QAM	11.30	11.23	10.73	12.50
		12	64QAM	10.60	11.71	11.56	12.50
		25	64QAM	11.11	11.52	11.09	12.50
	50	0	64QAM	11.24	11.41	10.70	12.50

Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	1	0	QPSK	13.65	13.94	14.27	15.50
		12	QPSK	14.58	14.83	14.39	15.50
		24	QPSK	13.79	14.65	13.69	15.50
	12	0	QPSK	13.74	13.45	13.42	14.50
		7	QPSK	13.79	13.75	13.42	14.50
		13	QPSK	13.46	13.77	13.10	14.50
	25	0	QPSK	13.62	13.62	13.27	14.50
5	1	0	16QAM	13.80	13.49	13.47	14.50
		12	16QAM	14.09	14.41	13.63	14.50
		24	16QAM	13.29	14.22	12.91	14.50
	12	0	16QAM	12.83	12.59	12.49	13.50
		7	16QAM	12.87	12.89	12.49	13.50
		13	16QAM	12.54	12.91	12.18	13.50
	25	0	16QAM	12.64	12.69	12.24	13.50
5	1	0	64QAM	12.39	12.21	11.72	13.50
		12	64QAM	11.69	12.66	12.44	13.50
		24	64QAM	12.03	12.35	11.97	13.50
	12	0	64QAM	11.43	11.28	10.81	12.50
		7	64QAM	10.68	11.67	11.51	12.50
		13	64QAM	11.15	11.49	11.06	12.50
	25	0	64QAM	11.25	11.36	10.73	12.50
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	1	0	QPSK	14.57	14.40	14.28	15.50
		8	QPSK	14.67	14.78	14.29	15.50
		14	QPSK	14.32	14.75	13.86	15.50
	8	0	QPSK	13.90	13.60	13.25	14.50
		4	QPSK	13.92	13.73	13.24	14.50
		7	QPSK	13.78	13.75	13.10	14.50
	15	0	QPSK	13.83	13.69	13.17	14.50
3	1	0	16QAM	13.96	13.49	13.70	14.50
		8	16QAM	14.05	13.86	13.74	14.50
		14	16QAM	13.71	13.81	13.38	14.50
	8	0	16QAM	12.91	12.71	12.36	13.50
		4	16QAM	12.94	12.83	12.35	13.50
		7	16QAM	12.80	12.87	12.21	13.50
	15	0	16QAM	12.78	12.72	12.23	13.50
3	1	0	64QAM	12.41	12.25	11.67	13.50
		8	64QAM	11.72	12.65	12.43	13.50
		14	64QAM	12.14	12.43	11.98	13.50
	8	0	64QAM	11.40	11.26	10.76	12.50
		4	64QAM	10.58	11.71	11.53	12.50
		7	64QAM	11.15	11.49	11.04	12.50
	15	0	64QAM	11.28	11.32	10.68	12.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	1	0	QPSK	14.67	14.72	14.18	15.50
		3	QPSK	14.71	14.78	14.19	15.50
		5	QPSK	14.62	14.75	14.03	15.50
	3	0	QPSK	14.67	14.66	14.13	15.50
		1	QPSK	14.71	14.71	14.12	15.50
		3	QPSK	14.65	14.75	13.98	15.50
	6	0	QPSK	13.88	13.67	13.08	14.50
1.4	1	0	16QAM	14.04	13.88	13.62	14.50
		3	16QAM	14.08	13.99	13.63	14.50
		5	16QAM	14.02	14.00	13.49	14.50
	3	0	16QAM	14.18	13.84	13.45	14.50
		1	16QAM	14.23	13.91	13.46	14.50
		3	16QAM	14.15	13.92	13.34	14.50
	6	0	16QAM	13.04	12.83	12.03	13.50
1.4	1	0	64QAM	12.42	12.20	11.64	13.50
		3	64QAM	11.66	12.67	12.43	13.50
		5	64QAM	12.01	12.39	11.90	13.50
	3	0	64QAM	12.41	12.31	11.70	13.50
		1	64QAM	11.72	12.68	12.55	13.50
		3	64QAM	12.01	12.38	12.00	13.50
	6	0	64QAM	12.42	12.27	11.65	12.50

8.2.3 LTE Band5 Output Power

LTE B5 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up lim (dBm)
Channel				20450	20525	20600	Tune-up lim
Frequency (MHz)				829	836.5	844	(dBm)
10	1	0	QPSK	23.68	23.47	23.40	24.50
		25	QPSK	23.79	23.89	23.84	24.50
		49	QPSK	23.57	23.64	23.41	24.50
	25	0	QPSK	22.77	22.63	22.61	23.50
		12	QPSK	22.63	22.70	22.52	23.50
		25	QPSK	22.81	22.74	22.52	23.50
	50	0	QPSK	22.80	22.67	22.59	23.50
10	1	0	16QAM	23.24	23.29	22.48	23.50
		25	16QAM	23.43	23.27	22.78	23.50
		49	16QAM	23.02	23.16	22.19	23.50
	25	0	16QAM	21.76	21.53	21.77	22.50
		12	16QAM	21.76	21.54	21.65	22.50
		25	16QAM	21.85	21.72	21.31	22.50
	50	0	16QAM	21.72	21.55	21.45	22.50
10	1	0	64QAM	22.22	21.82	21.36	22.50
		25	64QAM	22.50	21.77	21.72	22.50
		49	64QAM	22.17	21.54	21.15	22.50
	25	0	64QAM	21.13	20.62	20.71	21.50
		12	64QAM	21.13	20.65	20.61	21.50
		25	64QAM	21.22	20.71	20.59	21.50
	50	0	64QAM	20.87	20.57	20.77	21.50
Channel				20425	20525	20625	Tune-up lim
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	1	0	QPSK	23.66	23.35	23.26	24.50
		12	QPSK	23.65	23.86	23.70	24.50
		24	QPSK	23.44	23.53	23.29	24.50
	12	0	QPSK	22.68	22.54	22.48	23.50
		7	QPSK	22.79	22.56	22.41	23.50
		13	QPSK	22.71	22.73	22.47	23.50
	25	0	QPSK	22.68	22.57	22.57	23.50
5	1	0	16QAM	23.13	23.23	22.33	23.50
		12	16QAM	23.28	23.17	22.66	23.50
		24	16QAM	22.90	23.05	22.17	23.50
	12	0	16QAM	21.71	21.50	21.62	22.50
		7	16QAM	21.66	21.51	21.59	22.50
		13	16QAM	21.76	21.64	21.19	22.50
	25	0	16QAM	21.67	21.53	21.35	22.50
5	1	0	64QAM	22.09	21.67	21.21	22.50
		12	64QAM	22.44	21.69	21.57	22.50
		24	64QAM	22.11	21.45	21.04	22.50
	12	0	64QAM	21.00	20.48	20.65	21.50
		7	64QAM	21.06	20.51	20.57	21.50
		13	64QAM	21.13	20.67	20.48	21.50
	25	0	64QAM	20.72	20.54	20.64	21.50
Channel				20415	20525	20635	Tune-up lim
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	1	0	QPSK	23.63	23.35	23.37	24.50
		8	QPSK	23.70	23.84	23.73	24.50
		14	QPSK	23.55	23.51	23.36	24.50
	8	0	QPSK	22.75	22.52	22.59	23.50
		4	QPSK	22.82	22.64	22.46	23.50
		7	QPSK	22.73	22.73	22.39	23.50
	15	0	QPSK	22.66	22.57	22.50	23.50
3	1	0	16QAM	23.09	23.28	22.43	23.50
		8	16QAM	23.36	23.23	22.69	23.50
		14	16QAM	23.00	23.03	22.14	23.50
	8	0	16QAM	21.64	21.40	21.63	22.50
		4	16QAM	21.63	21.47	21.50	22.50
		7	16QAM	21.83	21.69	21.28	22.50
	15	0	16QAM	21.65	21.54	21.41	22.50
3	1	0	64QAM	22.12	21.78	21.21	22.50
		8	64QAM	22.35	21.62	21.60	22.50
		14	64QAM	22.10	21.52	21.10	22.50
	8	0	64QAM	20.98	20.57	20.69	21.50
		4	64QAM	21.07	20.58	20.47	21.50
		7	64QAM	21.09	20.68	20.48	21.50
	15	0	64QAM	20.79	20.46	20.65	21.50
Channel				20407	20525	20643	Tune-up lim
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	1	0	QPSK	23.68	23.68	23.43	24.50
		3	QPSK	23.72	23.79	23.70	24.50
		5	QPSK	23.69	23.77	23.62	24.50
	3	0	QPSK	23.61	23.61	23.57	24.50
		1	QPSK	23.60	23.61	23.52	24.50
		3	QPSK	23.67	23.67	23.67	24.50
	6	0	QPSK	22.71	22.72	22.59	23.50
1.4	1	0	16QAM	22.58	22.88	23.16	23.50
		3	16QAM	22.74	23.04	23.34	23.50
		5	16QAM	22.70	22.86	23.30	23.50
	3	0	16QAM	22.78	22.72	22.59	23.50
		1	16QAM	22.86	22.69	22.62	23.50
		3	16QAM	22.84	22.80	22.64	23.50
	6	0	16QAM	21.55	21.56	21.70	22.50
1.4	1	0	64QAM	21.55	22.04	21.76	22.50
		3	64QAM	21.84	22.01	21.89	22.50
		5	64QAM	21.73	21.90	21.75	22.50
	3	0	64QAM	21.59	21.95	21.79	22.50
		1	64QAM	21.59	21.95	21.80	22.50
		3	64QAM	21.67	21.87	21.78	22.50
	6	0	64QAM	20.67	20.65	20.69	21.50

8.2.3 LTE Band5 Output Power

LTE B5 State1							
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
Frequency (MHz)				829	836.5	844	(dBm)
10	1	0	QPSK	22.24	22.05	22.19	23.00
		25	QPSK	22.15	22.34	22.26	23.00
		49	QPSK	22.13	22.07	22.16	23.00
	25	0	QPSK	22.21	22.11	22.17	23.00
		12	QPSK	22.17	22.29	22.15	23.00
		25	QPSK	22.13	22.02	22.11	23.00
	50	0	QPSK	22.09	22.15	22.06	23.00
	10	0	16QAM	22.18	22.23	22.15	23.00
		25	16QAM	22.16	22.21	22.13	23.00
		49	16QAM	22.13	22.15	22.10	23.00
10	1	0	16QAM	22.21	22.29	22.18	22.50
		12	16QAM	22.23	22.25	22.16	22.50
		25	16QAM	22.15	22.19	22.13	22.50
	50	0	16QAM	22.20	22.24	22.17	22.50
	10	0	64QAM	21.59	21.49	21.55	22.50
		25	64QAM	21.50	21.71	21.75	22.50
		49	64QAM	21.48	21.55	21.64	22.50
	25	0	64QAM	20.72	20.40	20.63	21.50
		12	64QAM	20.52	20.79	20.75	21.50
		25	64QAM	20.49	20.48	20.60	21.50
10	50	0	64QAM	20.61	20.47	20.66	21.50
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	1	0	QPSK	22.10	22.01	22.09	23.00
		12	QPSK	22.10	22.32	22.14	23.00
		24	QPSK	21.98	21.95	22.15	23.00
	12	0	QPSK	22.17	21.96	22.16	23.00
		7	QPSK	22.08	22.27	22.03	23.00
		13	QPSK	22.02	21.92	22.02	23.00
	25	0	QPSK	22.01	22.05	21.96	23.00
	5	0	16QAM	22.07	22.18	22.08	23.00
		12	16QAM	22.09	22.10	22.01	23.00
		24	16QAM	22.10	22.03	21.96	23.00
	12	0	16QAM	22.11	22.14	22.04	22.50
		7	16QAM	22.11	22.13	22.08	22.50
		13	16QAM	22.00	22.11	22.12	22.50
5	25	0	16QAM	22.09	22.23	22.16	22.50
	1	0	64QAM	21.45	21.35	21.62	22.50
		12	64QAM	21.45	21.67	21.71	22.50
		24	64QAM	21.46	21.43	21.61	22.50
	12	0	64QAM	20.59	20.35	20.62	21.50
		7	64QAM	20.40	20.75	20.60	21.50
		13	64QAM	20.38	20.44	20.54	21.50
	25	0	64QAM	20.58	20.40	20.59	21.50
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	1	0	QPSK	22.14	22.01	22.11	23.00
		8	QPSK	22.10	22.32	22.23	23.00
		14	QPSK	22.07	22.00	22.13	23.00
	8	0	QPSK	22.18	22.00	22.09	23.00
		4	QPSK	22.08	22.17	22.06	23.00
		7	QPSK	22.00	21.93	21.98	23.00
	15	0	QPSK	21.99	22.08	21.97	23.00
	3	0	16QAM	22.17	22.09	22.11	23.00
		8	16QAM	22.15	22.14	22.00	23.00
		14	16QAM	22.07	22.06	22.06	23.00
	8	0	16QAM	22.07	22.21	22.06	22.50
		4	16QAM	22.20	22.13	22.03	22.50
		7	16QAM	22.02	22.04	22.01	22.50
3	15	0	16QAM	22.05	22.09	22.13	22.50
	1	0	64QAM	21.56	21.34	21.62	22.50
		8	64QAM	21.45	21.62	21.72	22.50
		14	64QAM	21.34	21.45	21.56	22.50
	8	0	64QAM	20.60	20.33	20.61	21.50
		4	64QAM	20.51	20.73	20.62	21.50
		7	64QAM	20.43	20.33	20.58	21.50
	15	0	64QAM	20.56	20.35	20.60	21.50
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	1	0	QPSK	22.09	21.93	22.11	23.00
		3	QPSK	22.07	22.30	22.15	23.00
		5	QPSK	22.12	22.03	22.12	23.00
	3	0	QPSK	22.18	22.04	22.11	23.00
		1	QPSK	22.11	22.31	22.23	23.00
		3	QPSK	22.11	21.94	22.01	23.00
	6	0	QPSK	22.15	21.92	22.16	23.00
	1.4	0	16QAM	22.07	22.30	22.20	23.00
		3	16QAM	22.10	21.94	22.12	23.00
		5	16QAM	22.21	21.92	22.15	23.00
	3	0	16QAM	22.14	22.25	22.25	23.00
		1	16QAM	22.05	22.05	22.11	23.00
		3	16QAM	22.10	22.02	22.06	23.00
1.4	6	0	16QAM	22.08	22.22	22.06	22.50
	1	0	64QAM	21.51	21.39	21.53	22.50
		3	64QAM	21.44	21.58	21.66	22.50
		5	64QAM	21.46	21.52	21.56	22.50
	3	0	64QAM	21.52	21.35	21.42	22.50
		1	64QAM	21.40	21.61	21.73	22.50
		3	64QAM	21.34	21.51	21.60	22.50
	6	0	64QAM	20.50	20.33	20.54	21.50

8.2.4 LTE Band7 Output Power

LTE B7 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	1	0	QPSK	22.61	23.07	22.84	24.00
		49	QPSK	23.31	23.68	23.63	24.00
		99	QPSK	22.81	23.44	23.07	24.00
	50	0	QPSK	22.12	22.28	22.14	23.00
		24	QPSK	22.06	22.20	22.12	23.00
		50	QPSK	22.06	22.13	22.36	23.00
	100	0	QPSK	22.14	22.22	22.29	23.00
20	1	0	16QAM	22.23	22.33	22.98	23.00
		49	16QAM	23.00	22.70	22.52	23.00
		99	16QAM	22.27	21.84	22.47	23.00
	50	0	16QAM	21.13	21.25	21.01	22.00
		24	16QAM	21.03	21.20	21.05	22.00
		50	16QAM	21.06	21.18	21.30	22.00
	100	0	16QAM	21.03	21.18	21.17	22.00
20	1	0	64QAM	21.09	21.64	21.49	22.00
		49	64QAM	21.63	21.99	22.00	22.00
		99	64QAM	21.09	21.74	21.44	22.00
	50	0	64QAM	20.28	20.25	20.34	21.00
		24	64QAM	20.17	20.17	20.44	21.00
		50	64QAM	20.17	20.21	20.51	21.00
	100	0	64QAM	20.18	20.04	20.29	21.00
Channel				20825	21100	21375	Tune-up power(dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	1	0	QPSK	22.56	23.01	22.69	24.00
		37	QPSK	23.22	23.63	23.56	24.00
		74	QPSK	22.66	23.43	23.00	24.00
	36	0	QPSK	21.99	22.20	22.09	23.00
		20	QPSK	21.99	22.10	22.21	23.00
		39	QPSK	22.05	21.98	22.25	23.00
	75	0	QPSK	22.09	22.18	22.20	23.00
15	1	0	16QAM	22.22	22.31	22.92	23.00
		37	16QAM	22.86	22.56	22.41	23.00
		74	16QAM	22.12	21.70	22.34	23.00
	36	0	16QAM	21.09	21.22	20.99	22.00
		20	16QAM	20.90	21.12	20.98	22.00
		39	16QAM	21.05	21.15	21.25	22.00
	75	0	16QAM	20.93	21.17	21.03	22.00
15	1	0	64QAM	21.08	21.56	21.47	22.00
		37	64QAM	21.57	21.93	21.92	22.00
		74	64QAM	20.96	21.65	21.31	22.00
	36	0	64QAM	20.26	20.21	20.31	21.00
		20	64QAM	20.05	20.14	20.40	21.00
		39	64QAM	20.02	20.07	20.50	21.00
	75	0	64QAM	20.09	20.01	20.25	21.00
Channel				20800	21100	21400	Tune-up power(dBm)
Frequency (MHz)				2505	2535	2565	
10	1	0	QPSK	22.54	22.93	22.82	24.00
		25	QPSK	23.23	23.62	23.49	24.00
		49	QPSK	22.69	23.43	22.98	24.00
	25	0	QPSK	21.98	22.24	21.99	23.00
		12	QPSK	21.96	22.12	22.10	23.00
		25	QPSK	21.93	22.08	22.23	23.00
	50	0	QPSK	22.07	22.11	22.25	23.00
10	1	0	16QAM	22.13	22.28	22.87	23.00
		25	16QAM	22.88	22.67	22.43	23.00
		49	16QAM	22.21	21.73	22.33	23.00
	25	0	16QAM	21.10	21.24	20.94	22.00
		12	16QAM	20.96	21.14	21.02	22.00
		25	16QAM	20.92	21.06	21.26	22.00
	50	0	16QAM	20.98	21.05	21.10	22.00
10	1	0	64QAM	21.00	21.61	21.38	22.00
		25	64QAM	21.56	21.96	21.99	22.00
		49	64QAM	21.03	21.69	21.31	22.00
	25	0	64QAM	20.23	20.20	20.22	21.00
		12	64QAM	20.04	20.11	20.30	21.00
		25	64QAM	20.13	20.16	20.37	21.00
	50	0	64QAM	20.13	19.89	20.23	21.00
Channel				20775	21100	21425	Tune-up power(dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	1	0	QPSK	22.49	23.01	22.81	24.00
		12	QPSK	23.24	23.67	23.62	24.00
		24	QPSK	22.67	23.36	22.93	24.00
	12	0	QPSK	22.04	22.26	21.99	23.00
		7	QPSK	21.99	22.05	22.09	23.00
		13	QPSK	22.02	21.98	22.31	23.00
	25	0	QPSK	22.03	22.17	22.26	23.00
5	1	0	16QAM	22.20	22.21	22.93	23.00
		12	16QAM	22.95	22.56	22.47	23.00
		24	16QAM	22.15	21.73	22.40	23.00
	12	0	16QAM	21.00	21.20	20.97	22.00
		7	16QAM	20.97	21.14	21.00	22.00
		13	16QAM	21.02	21.12	21.17	22.00
	25	0	16QAM	20.96	21.11	21.03	22.00
5	1	0	64QAM	21.05	21.58	21.43	22.00
		12	64QAM	21.62	21.90	21.92	22.00
		24	64QAM	20.94	21.69	21.30	22.00
	12	0	64QAM	20.13	20.21	20.33	21.00
		7	64QAM	20.05	20.10	20.37	21.00
		13	64QAM	20.09	20.19	20.39	21.00
	25	0	64QAM	20.17	19.97	20.23	21.00

8.2.4 LTE Band7 Output Power

LTE B7 state1							
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	1	0	QPSK	12.71	12.14	11.98	13.00
		49	QPSK	12.53	12.87	12.74	13.00
		99	QPSK	11.57	11.98	11.67	13.00
	50	0	QPSK	11.85	11.84	11.76	12.00
		24	QPSK	11.88	11.86	11.22	12.00
		50	QPSK	11.56	11.44	11.46	12.00
	100	0	QPSK	11.68	11.51	11.03	12.00
20	1	0	16QAM	10.93	10.64	10.33	12.00
		49	16QAM	10.99	11.06	10.22	12.00
		99	16QAM	10.03	10.17	10.07	12.00
	50	0	16QAM	10.83	10.80	10.69	11.00
		24	16QAM	10.85	10.83	10.16	11.00
		50	16QAM	10.53	10.40	10.39	11.00
	100	0	16QAM	10.66	10.47	10.99	11.00
20	1	0	64QAM	10.64	10.05	9.85	11.00
		49	64QAM	9.50	10.74	9.82	11.00
		99	64QAM	9.53	9.83	9.52	11.00
	50	0	64QAM	9.60	9.02	8.88	10.00
		24	64QAM	9.51	9.73	9.61	10.00
		50	64QAM	8.53	8.83	8.56	10.00
	100	0	64QAM	9.60	9.13	8.91	10.00
Channel				20825	21100	21375	Tune-up power(dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	1	0	QPSK	12.61	12.02	11.84	13.00
		37	QPSK	12.40	12.73	12.69	13.00
		74	QPSK	11.46	11.89	11.66	13.00
	36	0	QPSK	11.79	11.72	11.66	12.00
		20	QPSK	11.74	11.75	11.14	12.00
		39	QPSK	11.47	11.37	11.36	12.00
	75	0	QPSK	11.57	11.38	10.98	12.00
15	1	0	16QAM	10.87	10.55	10.29	12.00
		37	16QAM	10.86	11.02	10.16	12.00
		74	16QAM	10.23	10.36	10.22	12.00
	36	0	16QAM	10.72	10.70	10.64	11.00
		20	16QAM	10.84	10.71	10.10	11.00
		39	16QAM	10.41	10.38	10.27	11.00
	75	0	16QAM	10.54	10.34	10.84	11.00
15	1	0	64QAM	10.58	9.94	9.72	11.00
		37	64QAM	9.41	10.73	9.79	11.00
		74	64QAM	9.47	9.69	9.38	11.00
	36	0	64QAM	9.47	8.98	8.87	10.00
		20	64QAM	9.37	9.60	9.53	10.00
		39	64QAM	8.39	8.75	8.47	10.00
	75	0	64QAM	9.49	8.98	8.83	10.00
Channel				20800	21100	21400	Tune-up power(dBm)
Frequency (MHz)				2505	2535	2565	
10	1	0	QPSK	12.63	12.10	11.93	13.00
		25	QPSK	12.46	12.85	12.65	13.00
		49	QPSK	11.42	11.94	11.55	13.00
	25	0	QPSK	11.73	11.75	11.70	12.00
		12	QPSK	11.80	11.82	11.20	12.00
		25	QPSK	11.44	11.33	11.34	12.00
	50	0	QPSK	11.56	11.50	10.98	12.00
10	1	0	16QAM	10.91	10.57	10.21	12.00
		25	16QAM	10.96	11.05	10.18	12.00
		49	16QAM	10.15	10.13	10.12	12.00
	25	0	16QAM	10.72	10.66	10.63	11.00
		12	16QAM	10.83	10.68	10.14	11.00
		25	16QAM	10.52	10.38	10.35	11.00
	50	0	16QAM	10.56	10.33	10.85	11.00
10	1	0	64QAM	10.51	9.94	9.79	11.00
		25	64QAM	9.38	10.73	9.80	11.00
		49	64QAM	9.52	9.82	9.39	11.00
	25	0	64QAM	9.50	9.00	8.79	10.00
		12	64QAM	9.46	9.67	9.47	10.00
		25	64QAM	8.46	8.78	8.45	10.00
	50	0	64QAM	9.58	9.07	8.78	10.00
Channel				20775	21100	21425	Tune-up power(dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	1	0	QPSK	12.60	12.09	11.84	13.00
		12	QPSK	12.45	12.75	12.66	13.00
		24	QPSK	11.44	11.85	11.56	13.00
	12	0	QPSK	11.78	11.74	11.72	12.00
		7	QPSK	11.86	11.74	11.21	12.00
		13	QPSK	11.43	11.34	11.39	12.00
	25	0	QPSK	11.67	11.49	10.95	12.00
5	1	0	16QAM	10.92	10.51	10.24	12.00
		12	16QAM	10.86	11.01	10.16	12.00
		24	16QAM	10.00	10.16	10.03	12.00
	12	0	16QAM	10.80	10.76	10.59	11.00
		7	16QAM	10.76	10.77	10.12	11.00
		13	16QAM	10.46	10.28	10.29	11.00
	25	0	16QAM	10.65	10.32	10.92	11.00
5	1	0	64QAM	10.63	9.94	9.76	11.00
		12	64QAM	9.40	10.61	9.72	11.00
		24	64QAM	9.46	9.74	9.46	11.00
	12	0	64QAM	9.57	8.88	8.76	10.00
		7	64QAM	9.50	9.65	9.49	10.00
		13	64QAM	8.41	8.71	8.50	10.00
	25	0	64QAM	9.58	9.07	8.79	10.00

8.2.5 LTE Band12 Output Power

LTE B12 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	1	0	QPSK	23.13	23.07	23.35	24.50
		25	QPSK	23.49	23.62	23.55	24.50
		49	QPSK	23.19	22.95	22.99	24.50
	25	0	QPSK	22.32	22.35	22.47	23.50
		12	QPSK	22.31	22.50	22.42	23.50
		25	QPSK	22.33	22.39	22.25	23.50
	50	0	QPSK	22.37	22.34	22.43	23.50
		0	16QAM	22.74	22.89	22.22	23.50
		25	16QAM	23.46	23.10	22.44	23.50
		49	16QAM	22.82	22.67	21.90	23.50
10	1	0	16QAM	21.36	21.47	21.69	22.50
		12	16QAM	21.31	21.47	21.51	22.50
		25	16QAM	21.38	21.43	21.34	22.50
	50	0	16QAM	21.38	21.27	21.28	22.50
		0	64QAM	21.78	20.97	21.20	22.50
		25	64QAM	22.09	21.66	21.47	22.50
		49	64QAM	21.86	20.90	20.76	22.50
	25	0	64QAM	20.74	20.50	20.56	21.50
		12	64QAM	20.66	20.51	20.50	21.50
		25	64QAM	20.49	20.50	20.26	21.50
	50	0	64QAM	20.40	20.31	20.44	21.50
Channel				23035	23095	23155	Tune-up power(dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	1	0	QPSK	23.05	23.06	23.27	24.50
		12	QPSK	23.37	23.50	23.40	24.50
		24	QPSK	23.12	22.82	22.86	24.50
	12	0	QPSK	22.24	22.27	22.45	23.50
		7	QPSK	22.21	22.25	22.36	23.50
		13	QPSK	22.28	22.31	22.17	23.50
	25	0	QPSK	22.28	22.31	22.39	23.50
		0	16QAM	22.66	22.82	22.21	23.50
		12	16QAM	23.31	23.02	22.30	23.50
		24	16QAM	22.71	22.58	21.85	23.50
5	1	0	16QAM	21.26	21.46	21.66	22.50
		7	16QAM	21.25	21.43	21.46	22.50
		13	16QAM	21.30	21.29	21.29	22.50
	12	0	16QAM	21.25	21.12	21.21	22.50
		0	64QAM	21.69	20.94	21.16	22.50
		12	64QAM	21.94	21.53	21.32	22.50
		24	64QAM	21.76	20.78	20.61	22.50
	25	0	64QAM	20.72	20.45	20.55	21.50
		7	64QAM	20.57	20.49	20.43	21.50
		13	64QAM	20.46	20.48	20.25	21.50
	25	0	64QAM	20.32	20.20	20.31	21.50
Channel				23025	23095	23165	Tune-up power(dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	1	0	QPSK	23.02	22.92	23.28	24.50
		8	QPSK	23.48	23.50	23.49	24.50
		14	QPSK	23.11	22.84	22.91	24.50
	8	0	QPSK	22.24	22.33	22.39	23.50
		4	QPSK	22.20	22.20	22.30	23.50
		7	QPSK	22.22	22.34	22.13	23.50
	15	0	QPSK	22.28	22.31	22.28	23.50
		0	16QAM	22.73	22.87	22.10	23.50
		8	16QAM	23.35	23.06	22.35	23.50
		14	16QAM	22.69	22.60	21.84	23.50
3	1	0	16QAM	21.23	21.45	21.64	22.50
		4	16QAM	21.30	21.32	21.40	22.50
		7	16QAM	21.26	21.29	21.24	22.50
	8	0	16QAM	21.33	21.21	21.20	22.50
		0	64QAM	21.75	20.88	21.13	22.50
		8	64QAM	22.08	21.59	21.39	22.50
		14	64QAM	21.80	20.87	20.69	22.50
	15	0	64QAM	20.60	20.49	20.53	21.50
		4	64QAM	20.53	20.43	20.42	21.50
		7	64QAM	20.41	20.37	20.18	21.50
	15	0	64QAM	20.33	20.28	20.33	21.50
Channel				23017	23095	23173	Tune-up power(dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	1	0	QPSK	23.33	23.33	23.31	24.50
		3	QPSK	23.36	23.43	23.35	24.50
		5	QPSK	23.38	23.29	23.27	24.50
	3	0	QPSK	23.37	23.28	23.20	24.50
		1	QPSK	23.35	23.27	23.17	24.50
		3	QPSK	23.34	23.40	23.26	24.50
	6	0	QPSK	22.34	22.36	22.32	23.00
		0	16QAM	22.60	22.98	22.35	23.50
		3	16QAM	22.74	23.17	22.50	23.50
		5	16QAM	22.60	23.05	22.37	23.50
1.4	1	0	16QAM	22.37	22.24	22.39	23.00
		1	16QAM	22.36	22.24	22.37	23.00
		3	16QAM	22.47	22.34	22.37	23.00
	3	0	16QAM	21.20	21.21	21.05	22.00
		0	64QAM	21.26	21.15	21.19	22.50
		3	64QAM	21.23	21.04	21.27	22.50
	6	0	64QAM	21.10	20.95	21.15	22.50
		0	64QAM	21.11	21.25	21.26	22.00
		1	64QAM	21.11	20.98	21.25	22.00
		3	64QAM	21.26	21.46	21.32	22.00
	6	0	64QAM	20.18	20.44	20.24	21.00

8.2.5 LTE Band12 Output Power

LTE B12 State1							
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	1	0	QPSK	20.22	20.13	20.37	21.50
		25	QPSK	20.61	20.64	20.61	21.50
		49	QPSK	20.56	19.97	20.08	21.50
	25	0	QPSK	20.42	20.42	20.45	21.50
		12	QPSK	20.43	20.46	20.35	21.50
		25	QPSK	20.32	20.38	20.14	21.50
50	0	QPSK	20.42	20.37	20.41	21.50	
10	1	0	16QAM	20.39	20.32	20.44	21.50
		25	16QAM	20.60	20.63	20.45	21.50
		49	16QAM	20.20	19.53	20.16	21.50
	25	0	16QAM	20.45	20.40	20.32	21.50
		12	16QAM	20.42	20.63	20.44	21.50
		25	16QAM	20.30	20.53	20.20	21.50
50	0	16QAM	20.45	20.29	20.31	21.50	
10	1	0	64QAM	20.40	20.07	20.37	21.50
		25	64QAM	20.50	20.62	20.50	21.50
		49	64QAM	20.44	19.83	19.93	21.50
	25	0	64QAM	20.43	20.12	20.45	21.50
		12	64QAM	20.59	20.56	20.50	21.50
		25	64QAM	20.44	19.86	20.07	21.50
50	0	64QAM	20.45	20.05	20.37	21.50	
Channel				23035	23095	23155	Tune-up power(dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	1	0	QPSK	20.32	20.12	20.09	21.50
		12	QPSK	20.54	20.59	20.40	21.50
		24	QPSK	20.20	19.70	19.97	21.50
	12	0	QPSK	20.48	20.36	20.23	21.50
		7	QPSK	20.46	20.55	20.24	21.50
		13	QPSK	20.36	20.31	20.10	21.50
25	0	QPSK	20.46	20.37	20.20	21.50	
5	1	0	16QAM	20.29	20.31	19.97	21.50
		12	16QAM	20.38	20.58	20.22	21.50
		24	16QAM	19.60	19.78	19.61	21.50
	12	0	16QAM	20.29	20.13	20.07	21.50
		7	16QAM	20.29	20.23	20.08	21.50
		13	16QAM	20.24	20.18	19.94	21.50
25	0	16QAM	20.41	20.28	20.10	21.50	
5	1	0	64QAM	20.47	20.04	20.35	21.50
		12	64QAM	20.49	20.62	20.54	21.50
		24	64QAM	20.42	19.82	19.95	21.50
	12	0	64QAM	20.41	20.03	20.33	21.50
		7	64QAM	20.52	20.55	20.48	21.50
		13	64QAM	20.52	19.94	20.04	21.50
25	0	64QAM	20.39	20.01	20.37	21.50	
Channel				23025	23095	23165	Tune-up power(dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	1	0	QPSK	20.42	20.25	20.35	21.50
		8	QPSK	20.58	20.37	20.49	21.50
		14	QPSK	20.33	20.13	20.28	21.50
	8	0	QPSK	20.44	20.59	20.32	21.50
		4	QPSK	20.42	20.34	20.33	21.50
		7	QPSK	20.35	20.39	20.28	21.50
15	0	QPSK	20.39	20.36	20.28	21.50	
3	1	0	16QAM	20.39	20.55	20.40	21.50
		8	16QAM	20.54	20.55	20.51	21.50
		14	16QAM	20.37	20.50	20.38	21.50
	8	0	16QAM	20.50	20.26	20.39	21.50
		4	16QAM	20.57	20.50	20.46	21.50
		7	16QAM	20.51	20.51	20.40	21.50
15	0	16QAM	20.52	20.47	20.37	21.50	
3	1	0	64QAM	20.49	20.00	20.44	21.50
		8	64QAM	20.52	20.61	20.56	21.50
		14	64QAM	20.54	19.85	19.99	21.50
	8	0	64QAM	20.46	20.07	20.38	21.50
		4	64QAM	20.46	20.54	20.53	21.50
		7	64QAM	20.43	19.82	20.03	21.50
15	0	64QAM	20.51	20.04	20.34	21.50	
Channel				23017	23095	23173	Tune-up power(dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	1	0	QPSK	20.31	20.33	20.09	21.50
		3	QPSK	20.44	20.60	20.16	21.50
		5	QPSK	20.45	20.31	20.21	21.50
	3	0	QPSK	20.30	20.33	20.19	21.50
		1	QPSK	20.49	20.38	20.20	21.50
		3	QPSK	20.49	20.40	20.22	21.50
6	0	QPSK	20.33	20.34	20.18	21.50	
1.4	1	0	16QAM	20.35	20.36	20.42	21.50
		3	16QAM	20.57	20.43	20.47	21.50
		5	16QAM	20.44	20.28	20.29	21.50
	3	0	16QAM	20.30	20.02	19.79	21.50
		1	16QAM	20.43	19.91	19.76	21.50
		3	16QAM	20.36	19.85	19.68	21.50
6	0	16QAM	20.42	20.05	19.95	21.50	
1.4	1	0	64QAM	20.49	20.07	20.38	21.50
		3	64QAM	20.56	20.59	20.50	21.50
		5	64QAM	20.54	19.96	20.01	21.50
	3	0	64QAM	20.49	19.99	20.45	21.50
		1	64QAM	20.48	20.50	20.47	21.50
		3	64QAM	20.52	19.94	19.97	21.50
6	0	64QAM	20.37	20.12	20.34	21.50	

8.2.6 LTE Band13 Output Power

LTE B13 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			Tune-up limit (dBm)
Frequency (MHz)				782			
10	1	0	QPSK		23.24		24.00
		25	QPSK		23.57		24.00
		49	QPSK		23.19		24.00
	25	0	QPSK		22.39		23.00
		12	QPSK		22.41		23.00
		25	QPSK		22.41		23.00
	50	0	QPSK		22.38		23.00
10	1	0	16QAM		22.91		23.00
		25	16QAM		22.86		23.00
		49	16QAM		22.52		23.00
	25	0	16QAM		21.24		22.00
		12	16QAM		21.25		22.00
		25	16QAM		21.39		22.00
	50	0	16QAM		21.15		22.00
10	1	0	64QAM	21.87	22.00		
		25	64QAM	21.89	22.00		
		49	64QAM	21.83	22.00		
	25	0	64QAM	20.35	21.00		
		12	64QAM	20.33	21.00		
		25	64QAM	20.53	21.00		
	50	0	64QAM	20.32	21.00		
Channel				23205	23230	23255	Tune-up power(dBm)
Frequency (MHz)				779.5	782	784.5	
5	1	0	QPSK	23.16	22.99	22.98	24.00
		12	QPSK	23.41	23.49	23.42	24.00
		24	QPSK	23.07	22.89	22.85	24.00
	12	0	QPSK	22.37	22.33	22.37	23.00
		7	QPSK	22.35	22.37	22.38	23.00
	13	QPSK	22.35	22.47	22.30	23.00	
5	1	0	16QAM	21.98	22.53	22.09	23.00
		12	16QAM	22.43	22.56	22.49	23.00
		24	16QAM	22.00	22.64	21.94	23.00
	12	0	16QAM	21.32	21.09	21.01	22.00
		7	16QAM	21.32	21.10	20.92	22.00
	13	16QAM	21.33	21.05	20.93	22.00	
5	1	0	64QAM	21.20	21.45	20.91	22.00
		12	64QAM	21.31	21.64	21.61	22.00
		24	64QAM	20.93	21.21	20.76	22.00
	12	0	64QAM	20.26	20.35	20.27	21.00
		7	64QAM	20.27	20.36	20.25	21.00
		13	64QAM	20.27	20.41	20.29	21.00
	25	0	64QAM	20.56	20.35	20.01	21.00

8.2.6 LTE Band13 Output Power

LTE B13 State1								
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			Tune-up limit (dBm)	
Frequency (MHz)				782				
10	1	0	QPSK		22.66		23.50	
		25	QPSK		23.02		23.50	
		49	QPSK		22.48		23.50	
	25	0	QPSK		22.39		23.00	
		12	QPSK		22.55		23.00	
		25	QPSK		22.35		23.00	
	50	0	QPSK		22.37		23.00	
10	1	0	16QAM		22.44		23.00	
		25	16QAM		22.94		23.00	
		49	16QAM		22.31		23.00	
	25	0	16QAM		21.76		22.00	
		12	16QAM		21.80		22.00	
		25	16QAM		21.66		22.00	
	50	0	16QAM		21.72		22.00	
10	1	0	64QAM		21.11		22.00	
		25	64QAM		21.39		22.00	
		49	64QAM		20.85		22.00	
	25	0	64QAM		20.12		21.00	
		12	64QAM		20.46		21.00	
		25	64QAM		19.89		21.00	
	50	0	64QAM		20.04		21.00	
Channel				23205	23230	23255	Tune-up power(dBm)	
Frequency (MHz)				779.5	782	784.5		
5	1	0	QPSK	22.33	21.81	22.07	23.50	
		12	QPSK	22.76	22.90	22.89	23.50	
		24	QPSK	22.16	21.91	22.06	23.50	
	12	0	QPSK	22.41	22.30	22.43	23.00	
		7	QPSK	22.56	22.55	22.50	23.00	
	13	QPSK	22.35	22.38	22.32	23.00		
5	25	0	QPSK	22.47	22.40	22.31	23.00	
		1	0	16QAM	22.08	22.33	22.03	23.00
			12	16QAM	22.28	22.69	22.31	23.00
	24		16QAM	21.66	22.31	21.58	23.00	
	12	0	16QAM	21.73	21.70	21.61	22.00	
		7	16QAM	21.78	21.95	21.81	22.00	
13	16QAM	21.63	21.82	21.60	22.00			
5	25	0	16QAM	21.93	21.84	21.76	22.00	
		1	0	64QAM	20.79	20.29	20.42	22.00
			12	64QAM	21.15	21.26	21.33	22.00
	24		64QAM	20.51	20.39	20.46	22.00	
	12	0	64QAM	19.70	19.18	19.56	21.00	
		7	64QAM	20.21	20.33	20.30	21.00	
	13	64QAM	19.61	19.30	19.54	21.00		
25	0	64QAM	19.75	19.17	19.53	21.00		

8.2.7 LTE Band17 Output Power

LTE B17 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	
Frequency (MHz)				709	710	711	
10	1	0	QPSK	23.39	23.25	23.30	24.50
		25	QPSK	23.56	23.71	23.64	24.50
		49	QPSK	23.37	23.16	23.27	24.50
	25	0	QPSK	22.55	22.45	22.63	23.50
		12	QPSK	22.53	22.59	22.55	23.50
		25	QPSK	22.54	22.46	22.47	23.50
	50	0	QPSK	22.58	22.51	22.59	23.50
10	1	0	16QAM	23.05	23.01	22.45	23.50
		25	16QAM	23.16	23.48	22.61	23.50
		49	16QAM	22.27	22.88	22.12	23.50
	25	0	16QAM	21.46	21.58	21.84	22.50
		12	16QAM	21.45	21.51	21.68	22.50
		25	16QAM	21.56	21.34	21.58	22.50
	50	0	16QAM	21.49	21.54	21.59	22.50
10	1	0	64QAM	21.99	21.57	21.26	22.50
		25	64QAM	22.27	21.66	21.73	22.50
		49	64QAM	22.02	21.06	21.07	22.50
	25	0	64QAM	20.94	20.64	20.76	21.50
		12	64QAM	20.84	20.56	20.67	21.50
		25	64QAM	20.73	20.56	20.57	21.50
	50	0	64QAM	20.67	20.69	20.73	21.50
Channel				23755	23790	23825	Tune-up power(dBm)
Frequency (MHz)				706.5	710	713.5	
5	1	0	QPSK	23.24	23.11	23.15	24.50
		12	QPSK	23.55	23.63	23.57	24.50
		24	QPSK	23.26	23.15	23.12	24.50
	12	0	QPSK	22.40	22.30	22.53	23.50
		7	QPSK	22.40	22.34	22.49	23.50
		13	QPSK	22.40	22.42	22.39	23.50
	25	0	QPSK	22.54	22.44	22.58	23.50
5	1	0	16QAM	22.92	22.99	22.41	23.50
		12	16QAM	23.07	23.47	22.59	23.50
		24	16QAM	22.14	22.85	22.07	23.50
	12	0	16QAM	21.40	21.44	21.76	22.50
		7	16QAM	21.38	21.46	21.65	22.50
		13	16QAM	21.54	21.29	21.45	22.50
	25	0	16QAM	21.42	21.41	21.58	22.50
5	1	0	64QAM	21.88	21.52	21.11	22.50
		12	64QAM	22.15	21.53	21.58	22.50
		24	64QAM	21.96	21.05	20.96	22.50
	12	0	64QAM	20.87	20.51	20.70	21.50
		7	64QAM	20.77	20.41	20.53	21.50
		13	64QAM	20.68	20.45	20.43	21.50
	25	0	64QAM	20.64	20.57	20.66	21.50

8.2.7 LTE Band17 Output Power

LTE B17 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	
Frequency (MHz)				709	710	711	
10	1	0	QPSK	20.50	20.28	20.54	21.50
		25	QPSK	20.78	20.85	20.84	21.50
		49	QPSK	20.40	20.16	20.36	21.50
	25	0	QPSK	20.64	20.59	20.67	21.50
		12	QPSK	20.69	20.61	20.49	21.50
		25	QPSK	20.47	20.42	20.37	21.50
	50	0	QPSK	20.65	20.60	20.62	21.50
10	1	0	16QAM	20.59	20.47	20.12	21.50
		25	16QAM	20.83	20.81	20.76	21.50
		49	16QAM	20.46	19.97	20.42	21.50
	25	0	16QAM	20.56	20.47	20.81	21.50
		12	16QAM	20.70	20.60	20.56	21.50
		25	16QAM	20.53	20.43	20.44	21.50
	50	0	16QAM	20.69	20.54	20.59	21.50
10	1	0	64QAM	20.40	20.21	20.46	21.50
		25	64QAM	20.63	20.84	20.83	21.50
		49	64QAM	20.25	20.02	20.24	21.50
	25	0	64QAM	20.35	20.14	20.42	21.50
		12	64QAM	20.76	20.70	20.72	21.50
		25	64QAM	20.35	20.12	20.33	21.50
	50	0	64QAM	20.47	20.20	20.52	21.50
Channel				23755	23790	23825	Tune-up power(dBm)
Frequency (MHz)				706.5	710	713.5	
5	1	0	QPSK	20.10	20.31	20.35	21.50
		12	QPSK	20.61	20.80	20.64	21.50
		24	QPSK	20.16	20.20	20.24	21.50
	12	0	QPSK	20.45	20.49	20.58	21.50
		7	QPSK	20.60	20.61	20.55	21.50
		13	QPSK	20.50	20.43	20.47	21.50
	25	0	QPSK	20.45	20.49	20.51	21.50
5	1	0	16QAM	20.49	20.46	20.43	21.50
		12	16QAM	20.70	20.73	20.42	21.50
		24	16QAM	20.18	19.92	19.75	21.50
	12	0	16QAM	20.29	20.55	20.34	21.50
		7	16QAM	20.49	20.73	20.46	21.50
		13	16QAM	20.41	20.57	20.59	21.50
	25	0	16QAM	20.35	20.60	20.70	21.50
5	1	0	64QAM	20.40	20.19	20.50	21.50
		12	64QAM	20.73	20.78	20.79	21.50
		24	64QAM	20.25	20.13	20.35	21.50
	12	0	64QAM	20.39	20.22	20.51	21.50
		7	64QAM	20.76	20.72	20.79	21.50
		13	64QAM	20.34	20.02	20.31	21.50
	25	0	64QAM	20.37	20.26	20.49	21.50

8.2.8 LTE Band25 Output Power

LTE B25 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	1	0	QPSK	22.84	23.10	23.21	24.50
		49	QPSK	23.60	24.03	23.70	24.50
		99	QPSK	22.95	23.71	23.25	24.50
	50	0	QPSK	22.27	22.22	22.35	23.50
		24	QPSK	22.18	22.50	22.43	23.50
		50	QPSK	22.15	22.64	22.50	23.50
	100	0	QPSK	22.26	22.36	22.38	23.50
20	1	0	16QAM	22.46	22.54	23.21	23.50
		49	16QAM	23.10	22.92	23.44	23.50
		99	16QAM	22.46	22.58	23.13	23.50
	50	0	16QAM	21.37	21.17	21.27	22.50
		24	16QAM	21.25	21.30	21.34	22.50
		50	16QAM	21.21	21.58	21.45	22.50
	100	0	16QAM	21.29	21.21	21.44	22.50
20	1	0	64QAM	21.30	21.82	21.64	22.50
		49	64QAM	21.81	22.35	22.13	22.50
		99	64QAM	21.23	22.16	21.73	22.50
	50	0	64QAM	20.44	20.20	20.41	21.50
		24	64QAM	20.41	20.34	20.47	21.50
		50	64QAM	20.30	20.68	20.63	21.50
	100	0	64QAM	20.30	20.34	20.44	21.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	1	0	QPSK	22.80	23.03	23.11	24.50
		37	QPSK	23.53	23.89	23.57	24.50
		74	QPSK	22.81	23.61	23.13	24.50
	36	0	QPSK	22.26	22.16	22.21	23.50
		20	QPSK	22.04	22.33	22.39	23.50
		39	QPSK	22.00	22.63	22.42	23.50
	75	0	QPSK	22.16	22.27	22.34	23.50
15	1	0	16QAM	22.45	22.39	23.15	23.50
		37	16QAM	23.03	22.78	23.36	23.50
		74	16QAM	22.35	22.51	23.09	23.50
	36	0	16QAM	21.31	21.02	21.21	22.50
		20	16QAM	21.11	21.18	21.20	22.50
		39	16QAM	21.16	21.43	21.41	22.50
	75	0	16QAM	21.21	21.17	21.41	22.50
15	1	0	64QAM	21.22	21.71	21.50	22.50
		37	64QAM	21.69	22.26	22.09	22.50
		74	64QAM	21.14	22.06	21.67	22.50
	36	0	64QAM	20.31	20.19	20.37	21.50
		20	64QAM	20.37	20.27	20.37	21.50
		39	64QAM	20.18	20.55	20.55	21.50
	75	0	64QAM	20.19	20.23	20.37	21.50
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	1	0	QPSK	22.69	23.02	23.16	24.50
		25	QPSK	23.52	23.95	23.66	24.50
		49	QPSK	22.80	23.66	23.24	24.50
	25	0	QPSK	22.18	22.07	22.31	23.50
		12	QPSK	22.08	22.35	22.38	23.50
		25	QPSK	22.08	22.52	22.35	23.50
	50	0	QPSK	22.21	22.30	22.23	23.50
10	1	0	16QAM	22.35	22.53	23.12	23.50
		25	16QAM	22.98	22.78	23.38	23.50
		49	16QAM	22.43	22.55	23.07	23.50
	25	0	16QAM	21.22	21.12	21.14	22.50
		12	16QAM	21.19	21.21	21.24	22.50
		25	16QAM	21.06	21.46	21.39	22.50
	50	0	16QAM	21.23	21.06	21.39	22.50
10	1	0	64QAM	21.18	21.69	21.49	22.50
		25	64QAM	21.68	22.23	22.12	22.50
		49	64QAM	21.14	22.15	21.64	22.50
	25	0	64QAM	20.32	20.08	20.31	21.50
		12	64QAM	20.27	20.29	20.34	21.50
		25	64QAM	20.20	20.67	20.49	21.50
	50	0	64QAM	20.16	20.24	20.33	21.50

Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	1	0	QPSK	22.80	23.06	23.10	24.50
		12	QPSK	23.55	23.92	23.60	24.50
		24	QPSK	22.81	23.67	23.14	24.50
	12	0	QPSK	22.21	22.18	22.21	23.50
		7	QPSK	22.05	22.39	22.36	23.50
		13	QPSK	22.01	22.55	22.37	23.50
	25	0	QPSK	22.13	22.22	22.36	23.50
5	1	0	16QAM	22.37	22.49	23.06	23.50
		12	16QAM	23.02	22.88	23.30	23.50
		24	16QAM	22.32	22.48	23.11	23.50
	12	0	16QAM	21.34	21.16	21.26	22.50
		7	16QAM	21.16	21.26	21.26	22.50
		13	16QAM	21.09	21.57	21.37	22.50
	25	0	16QAM	21.20	21.11	21.32	22.50
5	1	0	64QAM	21.17	21.74	21.58	22.50
		12	64QAM	21.75	22.30	22.10	22.50
		24	64QAM	21.10	22.05	21.64	22.50
	12	0	64QAM	20.42	20.05	20.28	21.50
		7	64QAM	20.34	20.26	20.46	21.50
		13	64QAM	20.23	20.67	20.52	21.50
	25	0	64QAM	20.28	20.27	20.42	21.50
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	1	0	QPSK	22.72	22.99	23.15	24.50
		8	QPSK	23.52	23.92	23.59	24.50
		14	QPSK	22.88	23.56	23.16	24.50
	8	0	QPSK	22.21	22.08	22.23	23.50
		4	QPSK	22.06	22.31	22.32	23.50
		7	QPSK	22.05	22.58	22.42	23.50
	15	0	QPSK	22.15	22.30	22.26	23.50
3	1	0	16QAM	22.41	22.44	23.12	23.50
		8	16QAM	23.09	22.84	23.32	23.50
		14	16QAM	22.36	22.50	23.07	23.50
	8	0	16QAM	21.35	21.13	21.15	22.50
		4	16QAM	21.17	21.20	21.25	22.50
		7	16QAM	21.07	21.55	21.38	22.50
	15	0	16QAM	21.17	21.11	21.42	22.50
3	1	0	64QAM	21.28	21.75	21.55	22.50
		8	64QAM	21.73	22.27	22.10	22.50
		14	64QAM	21.11	22.15	21.62	22.50
	8	0	64QAM	20.29	20.19	20.28	21.50
		4	64QAM	20.37	20.20	20.33	21.50
		7	64QAM	20.16	20.57	20.50	21.50
	15	0	64QAM	20.16	20.25	20.35	21.50
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	1	0	QPSK	23.10	23.19	23.38	24.50
		3	QPSK	23.44	23.54	23.12	24.50
		5	QPSK	23.25	23.23	22.99	24.50
	3	0	QPSK	23.21	23.25	23.48	24.50
		1	QPSK	23.21	23.26	23.46	24.50
		3	QPSK	23.14	23.31	23.16	24.50
	6	0	QPSK	22.16	22.33	22.26	23.50
1.4	1	0	16QAM	22.25	22.41	22.85	23.50
		3	16QAM	22.27	22.64	22.84	23.50
		5	16QAM	22.13	22.72	22.75	23.50
	3	0	16QAM	22.29	22.42	22.41	23.50
		1	16QAM	22.33	22.44	22.30	23.50
		3	16QAM	22.25	22.51	22.18	23.50
	6	0	16QAM	21.03	21.26	21.56	22.50
1.4	1	0	64QAM	21.03	21.82	21.35	22.50
		3	64QAM	21.37	21.75	21.03	22.50
		5	64QAM	21.15	21.62	20.85	22.50
	3	0	64QAM	21.11	21.56	21.77	22.50
		1	64QAM	21.11	21.59	21.77	22.50
		3	64QAM	21.13	21.70	21.45	22.50
	6	0	64QAM	20.16	20.49	20.50	21.50

8.2.8 LTE Band25 Output Power

LTE B25 state1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	1	0	QPSK	11.78	11.51	11.61	13.00
		49	QPSK	12.36	12.72	11.88	13.00
		99	QPSK	11.67	12.68	11.02	13.00
	50	0	QPSK	10.98	10.70	10.81	12.00
		24	QPSK	11.34	11.69	11.06	12.00
		50	QPSK	10.67	11.17	11.37	12.00
20	1	0	QPSK	10.92	11.49	11.09	12.00
		0	16QAM	10.26	10.73	10.98	12.00
		49	16QAM	11.88	11.16	11.26	12.00
	50	0	16QAM	10.19	11.24	10.41	12.00
		0	16QAM	10.04	9.75	9.82	11.00
		24	16QAM	10.39	10.75	10.08	11.00
20	1	50	16QAM	9.71	10.22	10.39	11.00
		0	16QAM	9.99	10.54	10.12	11.00
	50	0	64QAM	9.71	9.28	9.55	11.00
		49	64QAM	10.25	10.71	9.75	11.00
		99	64QAM	9.64	10.62	9.01	11.00
	100	0	64QAM	8.66	8.22	8.56	10.00
20	1	24	64QAM	9.23	9.64	8.80	10.00
		50	64QAM	8.66	9.66	8.95	10.00
		0	64QAM	8.67	8.38	8.56	10.00
	100	0	64QAM	26115	26340	26615	Tune-up limit (dBm)
		0	64QAM	1857.5	1880	1907.5	
		0	64QAM	11.92	11.63	11.88	13.00
15	1	37	QPSK	12.36	12.75	12.33	13.00
		74	QPSK	12.61	12.69	12.54	13.00
		0	QPSK	10.96	10.71	10.48	12.00
	36	20	QPSK	11.34	11.65	11.34	12.00
		39	QPSK	10.96	11.05	11.48	12.00
		0	QPSK	10.88	11.44	10.98	12.00
15	1	0	16QAM	10.85	10.97	10.25	12.00
		37	16QAM	11.31	11.16	11.71	12.00
		74	16QAM	10.77	11.27	10.18	12.00
	36	0	16QAM	9.97	9.81	9.48	11.00
		20	16QAM	10.36	10.75	10.35	11.00
		39	16QAM	9.99	10.13	10.48	11.00
15	1	0	16QAM	9.92	10.52	10.04	11.00
		0	64QAM	9.70	9.15	9.54	11.00
		37	64QAM	10.14	10.64	9.63	11.00
	36	74	64QAM	9.53	10.48	9.92	11.00
		0	64QAM	8.55	8.15	8.46	10.00
		20	64QAM	9.15	9.60	8.66	10.00
15	1	39	64QAM	8.61	9.60	8.92	10.00
		0	64QAM	8.56	8.35	8.48	10.00
	75	0	64QAM	26090	26340	26640	Tune-up limit (dBm)
		0	64QAM	1855	1880	1910	
		0	64QAM	11.21	11.33	11.20	13.00
10	1	25	QPSK	12.44	12.68	12.58	13.00
		49	QPSK	11.63	11.98	11.88	13.00
		0	QPSK	11.03	11.07	11.21	12.00
	25	12	QPSK	11.37	11.67	11.91	12.00
		25	QPSK	11.21	11.99	11.53	12.00
		0	QPSK	11.08	11.53	11.42	12.00
10	1	0	16QAM	10.14	10.64	10.27	12.00
		25	16QAM	11.39	11.17	11.07	12.00
		49	16QAM	10.57	11.32	10.93	12.00
	25	0	16QAM	10.07	10.14	10.33	11.00
		12	16QAM	10.42	10.75	10.03	11.00
		25	16QAM	10.26	10.07	10.65	11.00
10	1	0	16QAM	10.11	10.60	10.49	11.00
		0	64QAM	9.62	9.24	9.45	11.00
		25	64QAM	10.19	10.61	9.61	11.00
	25	49	64QAM	9.53	10.60	9.96	11.00
		0	64QAM	8.51	8.10	8.43	10.00
		12	64QAM	9.11	9.49	8.66	10.00
10	25	25	64QAM	8.58	9.54	8.85	10.00
		0	64QAM	8.54	8.23	8.46	10.00
		0	64QAM	8.54	8.23	8.46	10.00

Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	1	0	QPSK	11.56	11.95	12.75	13.00
		12	QPSK	12.30	12.81	12.74	13.00
		24	QPSK	12.05	12.76	11.09	13.00
	12	0	QPSK	10.92	11.30	11.99	12.00
		7	QPSK	11.21	11.70	11.88	12.00
		13	QPSK	11.20	11.77	11.07	12.00
	25	0	QPSK	11.08	11.59	11.57	12.00
5	1	0	16QAM	10.64	11.44	11.85	12.00
		12	16QAM	11.41	11.33	11.06	12.00
		24	16QAM	11.17	11.37	10.20	12.00
	12	0	16QAM	10.02	10.46	10.07	11.00
		7	16QAM	10.32	10.87	10.96	11.00
		13	16QAM	10.31	10.95	10.17	11.00
	25	0	16QAM	10.14	10.69	10.57	11.00
5	1	0	64QAM	9.70	9.13	9.40	11.00
		12	64QAM	10.10	10.56	9.65	11.00
		24	64QAM	9.62	10.54	9.93	11.00
	12	0	64QAM	8.62	8.18	8.48	10.00
		7	64QAM	9.12	9.50	8.72	10.00
		13	64QAM	8.58	9.62	8.80	10.00
	25	0	64QAM	8.55	8.30	8.47	10.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	1	0	QPSK	11.75	12.38	12.83	13.00
		8	QPSK	12.13	12.86	12.35	13.00
		14	QPSK	12.13	12.82	11.23	13.00
	8	0	QPSK	10.97	11.56	11.63	12.00
		4	QPSK	11.11	11.70	11.38	12.00
		7	QPSK	11.15	11.77	10.83	12.00
	15	0	QPSK	11.08	11.65	11.26	12.00
3	1	0	16QAM	10.69	11.72	11.90	12.00
		8	16QAM	11.08	11.21	11.41	12.00
		14	16QAM	11.06	11.25	10.29	12.00
	8	0	16QAM	10.10	10.65	10.71	11.00
		4	16QAM	10.24	10.80	10.47	11.00
		7	16QAM	10.28	10.87	9.91	11.00
	15	0	16QAM	10.13	10.73	10.25	11.00
3	1	0	64QAM	9.64	9.15	9.46	11.00
		8	64QAM	10.18	10.67	9.68	11.00
		14	64QAM	9.56	10.58	9.99	11.00
	8	0	64QAM	8.65	8.09	8.53	10.00
		4	64QAM	9.22	9.52	8.76	10.00
		7	64QAM	8.56	9.54	8.84	10.00
	15	0	64QAM	8.61	8.27	8.52	10.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	1	0	QPSK	12.00	12.76	12.07	13.00
		3	QPSK	12.10	12.87	11.86	13.00
		5	QPSK	12.10	12.83	11.40	13.00
	3	0	QPSK	11.94	12.77	11.95	13.00
		1	QPSK	12.01	12.84	11.87	13.00
		3	QPSK	12.04	12.84	11.57	13.00
	6	0	QPSK	10.99	11.69	10.73	12.00
1.4	1	0	16QAM	11.04	11.16	11.11	12.00
		3	16QAM	11.16	11.20	10.90	12.00
		5	16QAM	11.18	11.24	10.48	12.00
	3	0	16QAM	11.01	11.97	11.15	12.00
		1	16QAM	11.08	11.15	11.07	12.00
		3	16QAM	11.11	11.16	10.75	12.00
	6	0	16QAM	10.16	10.65	9.93	11.00
1.4	1	0	64QAM	9.67	9.20	9.42	11.00
		3	64QAM	10.20	10.59	9.65	11.00
		5	64QAM	9.49	10.56	9.87	11.00
	3	0	64QAM	9.68	9.27	9.52	11.00
		1	64QAM	10.13	10.57	9.60	11.00
		3	64QAM	9.52	10.55	9.85	11.00
	6	0	64QAM	8.63	8.78	8.45	10.00

8.2.9 LTE Band26 Output Power

LTE B26 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	1	0	QPSK	23.84	23.62	23.51	24.50
		37	QPSK	23.87	23.89	23.78	24.50
		74	QPSK	23.53	23.62	23.32	24.50
	36	0	QPSK	22.79	22.63	22.68	23.50
		20	QPSK	22.53	22.64	22.62	23.50
		39	QPSK	22.66	22.68	22.66	23.50
		75	0	QPSK	22.66	22.66	22.70
15	1	0	16QAM	23.05	22.87	22.91	23.50
		37	16QAM	22.94	23.32	23.10	23.50
		74	16QAM	22.47	23.29	22.13	23.50
	36	0	16QAM	21.82	21.60	21.78	22.50
		20	16QAM	21.69	21.59	21.75	22.50
		39	16QAM	21.61	21.71	21.69	22.50
	75	0	16QAM	21.64	21.65	21.85	22.50
15	1	0	64QAM	22.14	21.80	21.98	22.50
		37	64QAM	22.31	21.80	22.18	22.50
		74	64QAM	22.14	21.20	21.64	22.50
	36	0	64QAM	20.89	20.51	20.84	21.50
		20	64QAM	20.85	20.77	20.84	21.50
		39	64QAM	20.53	20.86	20.73	21.50
	75	0	64QAM	20.67	20.69	20.81	21.50
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	1	0	QPSK	23.77	23.60	23.38	24.50
		25	QPSK	23.72	23.82	23.69	24.50
		49	QPSK	23.44	23.47	23.29	24.50
	25	0	QPSK	22.67	22.58	22.67	23.50
		12	QPSK	22.59	22.50	22.47	23.50
		25	QPSK	22.64	22.53	22.65	23.50
	50	0	QPSK	22.65	22.60	22.61	23.50
10	1	0	16QAM	23.03	22.84	22.85	23.50
		25	16QAM	22.86	23.22	22.97	23.50
		49	16QAM	22.39	23.23	22.00	23.50
	25	0	16QAM	21.68	21.49	21.77	22.50
		12	16QAM	21.63	21.57	21.69	22.50
		25	16QAM	21.49	21.56	21.66	22.50
	50	0	16QAM	21.53	21.57	21.70	22.50
10	1	0	64QAM	22.05	21.75	21.85	22.50
		25	64QAM	22.24	21.78	22.06	22.50
		49	64QAM	22.06	21.17	21.59	22.50
	25	0	64QAM	20.83	20.44	20.79	21.50
		12	64QAM	20.84	20.70	20.78	21.50
		25	64QAM	20.47	20.79	20.72	21.50
	50	0	64QAM	20.60	20.68	20.72	21.50
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	1	0	QPSK	23.78	23.51	23.36	24.50
		12	QPSK	23.72	23.86	23.74	24.50
		24	QPSK	23.41	23.58	23.19	24.50
	12	0	QPSK	22.78	22.61	22.67	23.50
		7	QPSK	22.65	22.52	22.48	23.50
		13	QPSK	22.56	22.60	22.56	23.50
	25	0	QPSK	22.57	22.60	22.56	23.50
5	1	0	16QAM	22.91	22.77	22.77	23.50
		12	16QAM	22.88	23.23	23.05	23.50
		24	16QAM	22.32	23.27	21.98	23.50
	12	0	16QAM	21.75	21.50	21.75	22.50
		7	16QAM	21.63	21.44	21.64	22.50
		13	16QAM	21.55	21.56	21.65	22.50
	25	0	16QAM	21.62	21.53	21.77	22.50
5	1	0	64QAM	22.12	21.66	21.84	22.50
		12	64QAM	22.20	21.78	22.05	22.50
		24	64QAM	22.07	21.14	21.54	22.50
	12	0	64QAM	20.84	20.49	20.71	21.50
		7	64QAM	20.81	20.64	20.75	21.50
		13	64QAM	20.42	20.76	20.72	21.50
	25	0	64QAM	20.64	20.67	20.79	21.50

Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	1	0	QPSK	23.79	23.54	23.46	24.50
		8	QPSK	23.72	23.88	23.65	24.50
		14	QPSK	23.38	23.57	23.31	24.50
	8	0	QPSK	22.74	22.60	22.55	23.50
		4	QPSK	22.65	22.61	22.51	23.50
		7	QPSK	22.51	22.61	22.62	23.50
	15	0	QPSK	22.62	22.57	22.60	23.50
3	1	0	16QAM	22.93	22.73	22.76	23.50
		8	16QAM	22.84	23.17	23.00	23.50
		14	16QAM	22.38	23.14	22.05	23.50
	8	0	16QAM	21.72	21.55	21.69	22.50
		4	16QAM	21.62	21.50	21.68	22.50
		7	16QAM	21.49	21.65	21.68	22.50
	15	0	16QAM	21.55	21.63	21.76	22.50
3	1	0	64QAM	22.10	21.71	21.89	22.50
		8	64QAM	22.16	21.73	22.12	22.50
		14	64QAM	22.10	21.07	21.50	22.50
	8	0	64QAM	20.81	20.50	20.78	21.50
		4	64QAM	20.83	20.75	20.76	21.50
		7	64QAM	20.52	20.72	20.68	21.50
	15	0	64QAM	20.57	20.66	20.73	21.50
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	1	0	QPSK	23.65	23.79	23.72	24.50
		3	QPSK	23.66	23.67	23.58	24.50
		5	QPSK	23.64	23.57	23.73	24.50
	3	0	QPSK	23.64	23.62	23.72	24.50
		1	QPSK	23.55	23.65	23.57	24.50
		3	QPSK	23.61	23.59	23.72	24.50
	6	0	QPSK	22.63	22.66	22.79	23.50
1.4	1	0	16QAM	22.78	23.20	22.79	23.50
		3	16QAM	22.85	23.34	22.88	23.50
		5	16QAM	22.73	23.26	22.87	23.50
	3	0	16QAM	22.67	22.96	22.77	23.50
		1	16QAM	22.47	22.86	22.77	23.50
		3	16QAM	22.29	22.62	22.80	23.50
	6	0	16QAM	21.49	21.45	21.71	22.50
1.4	1	0	64QAM	21.78	21.56	21.61	22.50
		3	64QAM	21.92	21.30	21.71	22.50
		5	64QAM	22.01	21.22	21.67	22.50
	3	0	64QAM	21.70	21.84	21.73	22.50
		1	64QAM	21.61	21.49	21.74	22.50
		3	64QAM	21.68	21.22	21.77	22.50
	6	0	64QAM	20.47	20.61	20.61	21.50

8.2.9 LTE Band26 Output Power

LTE B26 State1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	1	0	QPSK	22.01	21.99	21.97	23.00
		37	QPSK	22.16	22.34	22.17	23.00
		74	QPSK	21.89	22.18	21.97	23.00
	36	0	QPSK	22.07	22.24	22.30	23.00
		20	QPSK	22.20	22.09	22.30	23.00
		39	QPSK	22.07	22.11	22.15	23.00
	75	0	QPSK	22.07	22.14	22.16	23.00
15	1	0	16QAM	22.22	22.30	22.16	23.00
		37	16QAM	22.20	22.21	22.28	23.00
		74	16QAM	22.27	22.14	21.74	23.00
	36	0	16QAM	22.16	22.22	22.23	22.50
		20	16QAM	22.18	22.13	22.22	22.50
		39	16QAM	22.03	21.94	22.13	22.50
	75	0	16QAM	22.02	22.15	22.22	22.50
15	1	0	64QAM	22.09	22.20	22.08	22.50
		37	64QAM	22.13	22.10	22.14	22.50
		74	64QAM	21.97	21.89	22.04	22.50
	36	0	64QAM	20.44	20.46	20.38	21.50
		20	64QAM	20.64	20.72	20.54	21.50
		39	64QAM	20.27	20.59	20.44	21.50
	75	0	64QAM	20.41	20.36	20.37	21.50
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	1	0	QPSK	22.18	22.07	22.01	23.00
		25	QPSK	22.26	22.41	22.26	23.00
		49	QPSK	22.19	22.02	22.09	23.00
	25	0	QPSK	22.08	22.37	22.39	23.00
		12	QPSK	22.21	22.23	22.32	23.00
		25	QPSK	22.17	22.14	22.15	23.00
	50	0	QPSK	22.17	22.22	22.40	23.00
10	1	0	16QAM	22.25	22.25	22.22	23.00
		25	16QAM	22.27	22.31	22.29	23.00
		49	16QAM	22.05	21.57	21.93	23.00
	25	0	16QAM	22.27	22.32	22.30	22.50
		12	16QAM	22.31	22.30	22.20	22.50
		25	16QAM	22.26	22.10	22.28	22.50
	50	0	16QAM	22.12	22.16	22.26	22.50
10	1	0	64QAM	22.02	22.19	22.14	22.50
		25	64QAM	22.17	22.07	22.14	22.50
		49	64QAM	21.88	21.89	21.99	22.50
	25	0	64QAM	20.48	20.40	20.43	21.50
		12	64QAM	20.52	20.74	20.66	21.50
		25	64QAM	20.31	20.67	20.41	21.50
	50	0	64QAM	20.49	20.34	20.35	21.50
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	1	0	QPSK	21.93	21.62	22.03	23.00
		12	QPSK	22.24	22.28	22.08	23.00
		24	QPSK	21.96	21.71	22.04	23.00
	12	0	QPSK	22.11	22.25	22.27	23.00
		7	QPSK	22.15	22.09	22.27	23.00
		13	QPSK	22.07	22.09	22.24	23.00
	25	0	QPSK	22.12	22.22	22.25	23.00
5	1	0	16QAM	22.01	22.22	22.16	23.00
		12	16QAM	22.13	22.21	22.16	23.00
		24	16QAM	21.47	21.63	21.63	23.00
	12	0	16QAM	21.97	22.19	22.16	22.50
		7	16QAM	21.99	22.08	22.27	22.50
		13	16QAM	21.92	21.97	22.19	22.50
	25	0	16QAM	22.12	22.22	22.23	22.50
5	1	0	64QAM	22.09	22.18	22.13	22.50
		12	64QAM	22.14	22.10	22.20	22.50
		24	64QAM	21.93	21.93	22.10	22.50
	12	0	64QAM	20.40	20.39	20.34	21.50
		7	64QAM	20.56	20.78	20.55	21.50
		13	64QAM	20.28	20.65	20.46	21.50
	25	0	64QAM	20.48	20.37	20.34	21.50

Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	1	0	QPSK	22.10	21.96	22.14	23.00
		8	QPSK	22.22	22.30	22.19	23.00
		14	QPSK	22.03	21.86	22.23	23.00
	8	0	QPSK	22.10	22.21	22.26	23.00
		4	QPSK	22.15	22.23	22.17	23.00
		7	QPSK	22.06	22.23	22.18	23.00
	15	0	QPSK	22.17	22.19	22.25	23.00
3	1	0	16QAM	22.18	22.28	22.17	23.00
		8	16QAM	22.22	22.18	22.22	23.00
		14	16QAM	22.14	21.94	22.17	23.00
	8	0	16QAM	22.15	22.20	22.24	22.50
		4	16QAM	22.10	22.16	22.22	22.50
		7	16QAM	22.21	22.24	22.28	22.50
	15	0	16QAM	22.07	22.27	22.28	22.50
3	1	0	64QAM	22.07	22.08	22.12	22.50
		8	64QAM	22.11	22.03	22.12	22.50
		14	64QAM	21.92	21.83	22.09	22.50
	8	0	64QAM	20.42	20.44	20.33	21.50
		4	64QAM	20.56	20.72	20.66	21.50
		7	64QAM	20.29	20.62	20.37	21.50
	15	0	64QAM	20.47	20.48	20.34	21.50
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	1	0	QPSK	22.19	22.00	22.12	23.00
		3	QPSK	22.07	22.31	22.26	23.00
		5	QPSK	22.13	22.05	22.14	23.00
	3	0	QPSK	22.17	22.15	22.28	23.00
		1	QPSK	22.20	22.21	22.27	23.00
		3	QPSK	22.14	22.13	22.29	23.00
	6	0	QPSK	22.12	22.15	22.27	23.00
1.4	1	0	16QAM	22.10	22.14	22.24	23.00
		3	16QAM	22.27	21.96	22.23	23.00
		5	16QAM	22.03	21.95	22.26	23.00
	3	0	16QAM	21.75	21.78	22.27	23.00
		1	16QAM	21.79	21.77	22.21	23.00
		3	16QAM	21.76	21.67	22.30	23.00
	6	0	16QAM	22.02	21.85	22.29	22.50
1.4	1	0	64QAM	22.06	22.19	22.15	22.50
		3	64QAM	22.14	21.98	22.21	22.50
		5	64QAM	21.89	21.82	22.11	22.50
	3	0	64QAM	22.13	22.07	22.20	22.50
		1	64QAM	22.09	22.10	22.20	22.50
		3	64QAM	21.99	21.84	22.06	22.50
	6	0	64QAM	20.41	20.37	20.37	21.50

8.2.10 LTE Band66 Output Power

LTE B66 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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	1	0	QPSK	23.11	23.42	23.21	24.50
		49	QPSK	23.78	24.19	23.78	24.50
		99	QPSK	23.41	23.42	23.47	24.50
	50	0	QPSK	22.44	22.76	22.40	23.50
		24	QPSK	22.39	22.65	22.43	23.50
		50	QPSK	22.50	22.54	22.57	23.50
	100	0	QPSK	22.54	22.66	22.40	23.50
20	1	0	16QAM	22.59	22.70	23.32	23.50
		49	16QAM	23.40	22.99	23.43	23.50
		99	16QAM	22.93	22.09	23.42	23.50
	50	0	16QAM	21.38	21.78	21.30	22.50
		24	16QAM	21.40	21.71	21.30	22.50
		50	16QAM	21.43	21.50	21.53	22.50
	100	0	16QAM	21.42	21.64	21.47	22.50
20	1	0	64QAM	21.53	21.97	21.60	22.50
		49	64QAM	21.97	22.39	22.24	22.50
		99	64QAM	21.42	21.89	21.86	22.50
	50	0	64QAM	20.55	20.69	20.38	21.50
		24	64QAM	20.50	20.69	20.51	21.50
		50	64QAM	20.59	20.56	20.65	21.50
	100	0	64QAM	20.44	20.56	20.46	21.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	1	0	QPSK	23.02	23.30	23.20	24.50
		37	QPSK	23.70	24.12	23.74	24.50
		74	QPSK	23.28	23.34	23.39	24.50
	36	0	QPSK	22.37	22.67	22.37	23.50
		20	QPSK	22.24	22.62	22.31	23.50
		39	QPSK	22.38	22.51	22.54	23.50
	75	0	QPSK	22.41	22.57	22.29	23.50
15	1	0	16QAM	22.46	22.59	23.20	23.50
		37	16QAM	23.30	22.85	23.42	23.50
		74	16QAM	22.80	21.97	23.35	23.50
	36	0	16QAM	21.27	21.75	21.15	22.50
		20	16QAM	21.37	21.60	21.28	22.50
		39	16QAM	21.35	21.36	21.48	22.50
	75	0	16QAM	21.30	21.55	21.41	22.50
15	1	0	64QAM	21.51	21.85	21.52	22.50
		37	64QAM	21.82	22.31	22.09	22.50
		74	64QAM	21.35	21.80	21.77	22.50
	36	0	64QAM	20.42	20.65	20.29	21.50
		20	64QAM	20.37	20.65	20.46	21.50
		39	64QAM	20.44	20.46	20.59	21.50
	75	0	64QAM	20.40	20.44	20.35	21.50
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	1	0	QPSK	22.98	23.31	23.12	24.50
		25	QPSK	23.68	24.13	23.69	24.50
		49	QPSK	23.37	23.41	23.32	24.50
	25	0	QPSK	22.34	22.68	22.33	23.50
		12	QPSK	22.25	22.60	22.31	23.50
		25	QPSK	22.42	22.51	22.54	23.50
	50	0	QPSK	22.48	22.55	22.27	23.50
10	1	0	16QAM	22.57	22.64	23.30	23.50
		25	16QAM	23.31	22.93	23.29	23.50
		49	16QAM	22.81	22.05	23.39	23.50
	25	0	16QAM	21.30	21.64	21.26	22.50
		12	16QAM	21.29	21.67	21.23	22.50
		25	16QAM	21.34	21.44	21.38	22.50
	50	0	16QAM	21.36	21.55	21.34	22.50
10	1	0	64QAM	21.48	21.84	21.52	22.50
		25	64QAM	21.83	22.29	22.15	22.50
		49	64QAM	21.30	21.77	21.85	22.50
	25	0	64QAM	20.51	20.62	20.25	21.50
		12	64QAM	20.43	20.63	20.38	21.50
		25	64QAM	20.48	20.51	20.58	21.50
	50	0	64QAM	20.38	20.51	20.40	21.50

Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	1	0	QPSK	22.99	23.38	23.18	24.50
		12	QPSK	23.69	24.07	23.70	24.50
		24	QPSK	23.34	23.38	23.45	24.50
	12	0	QPSK	22.37	22.73	22.29	23.50
		7	QPSK	22.27	22.58	22.40	23.50
		13	QPSK	22.47	22.40	22.44	23.50
	25	0	QPSK	22.39	22.54	22.32	23.50
5	1	0	16QAM	22.54	22.69	23.25	23.50
		12	16QAM	23.29	22.95	23.40	23.50
		24	16QAM	22.87	22.00	23.34	23.50
	12	0	16QAM	21.31	21.65	21.28	22.50
		7	16QAM	21.37	21.70	21.24	22.50
		13	16QAM	21.34	21.41	21.39	22.50
	25	0	16QAM	21.34	21.56	21.33	22.50
5	1	0	64QAM	21.43	21.93	21.53	22.50
		12	64QAM	21.89	22.26	22.23	22.50
		24	64QAM	21.38	21.80	21.71	22.50
	12	0	64QAM	20.47	20.55	20.28	21.50
		7	64QAM	20.43	20.54	20.50	21.50
		13	64QAM	20.48	20.46	20.62	21.50
	25	0	64QAM	20.34	20.41	20.33	21.50
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	1	0	QPSK	23.02	23.39	23.18	24.50
		8	QPSK	23.69	24.08	23.68	24.50
		14	QPSK	23.30	23.29	23.37	24.50
	8	0	QPSK	22.36	22.63	22.36	23.50
		4	QPSK	22.36	22.56	22.29	23.50
		7	QPSK	22.38	22.43	22.56	23.50
	15	0	QPSK	22.39	22.52	22.26	23.50
3	1	0	16QAM	22.44	22.65	23.24	23.50
		8	16QAM	23.28	22.88	23.28	23.50
		14	16QAM	22.83	22.02	23.36	23.50
	8	0	16QAM	21.29	21.74	21.18	22.50
		4	16QAM	21.30	21.65	21.17	22.50
		7	16QAM	21.40	21.43	21.42	22.50
	15	0	16QAM	21.31	21.58	21.32	22.50
3	1	0	64QAM	21.41	21.88	21.55	22.50
		8	64QAM	21.89	22.28	22.11	22.50
		14	64QAM	21.37	21.77	21.71	22.50
	8	0	64QAM	20.49	20.66	20.30	21.50
		4	64QAM	20.44	20.59	20.46	21.50
		7	64QAM	20.52	20.54	20.59	21.50
	15	0	64QAM	20.41	20.54	20.43	21.50
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	1	0	QPSK	23.41	23.55	23.55	24.50
		3	QPSK	23.55	23.69	23.64	24.50
		5	QPSK	23.52	23.56	23.65	24.50
	3	0	QPSK	23.56	23.52	23.57	24.50
		1	QPSK	23.54	23.48	23.57	24.50
		3	QPSK	23.47	23.51	23.61	24.50
	6	0	QPSK	22.38	22.59	22.48	23.50
1.4	1	0	16QAM	22.62	22.63	22.67	23.50
		3	16QAM	22.75	22.68	22.85	23.50
		5	16QAM	22.51	22.60	22.81	23.50
	3	0	16QAM	22.43	22.70	22.54	23.50
		1	16QAM	22.41	22.70	22.54	23.50
		3	16QAM	22.49	22.63	22.64	23.50
	6	0	16QAM	21.27	21.56	21.45	22.50
1.4	1	0	64QAM	21.38	21.41	21.76	22.50
		3	64QAM	21.30	21.46	21.95	22.50
		5	64QAM	21.06	21.44	21.78	22.50
	3	0	64QAM	21.40	21.66	21.70	22.50
		1	64QAM	21.38	21.65	21.70	22.50
		3	64QAM	21.41	21.69	21.78	22.50
	6	0	64QAM	20.42	20.62	20.67	21.50

8.2.10 LTE Band66 Output Power

LTE B66 state1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	1	0	QPSK	14.25	14.39	14.17	16.00
		49	QPSK	14.37	15.66	14.18	16.00
		99	QPSK	14.27	14.37	14.33	16.00
	50	0	QPSK	13.65	14.61	13.10	15.00
		24	QPSK	13.70	13.77	13.42	15.00
		50	QPSK	13.48	14.59	13.43	15.00
100	0	QPSK	13.63	14.72	13.25	15.00	
20	1	0	16QAM	13.44	13.70	13.67	15.00
		49	16QAM	13.91	13.75	13.78	15.00
		99	16QAM	13.57	13.91	13.35	15.00
	50	0	16QAM	12.64	13.65	12.13	14.00
		24	16QAM	12.69	13.21	12.45	14.00
		50	16QAM	12.47	13.63	12.46	14.00
100	0	16QAM	12.64	13.79	12.28	14.00	
20	1	0	64QAM	12.03	12.15	12.06	14.00
		49	64QAM	12.33	13.54	12.11	14.00
		99	64QAM	12.29	12.35	12.30	14.00
	50	0	64QAM	11.32	11.38	11.35	13.00
		24	64QAM	11.26	12.61	11.03	13.00
		50	64QAM	11.24	11.30	11.28	13.00
100	0	64QAM	11.34	11.46	11.29	13.00	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	1	0	QPSK	14.15	14.18	14.03	16.00
		37	QPSK	14.22	15.61	14.13	16.00
		74	QPSK	14.17	14.26	14.25	16.00
	36	0	QPSK	13.50	14.60	13.00	15.00
		20	QPSK	13.58	13.74	13.36	15.00
		39	QPSK	13.33	14.52	13.28	15.00
75	0	QPSK	13.52	14.70	13.21	15.00	
15	1	0	16QAM	13.37	13.63	13.64	15.00
		37	16QAM	13.88	13.65	13.77	15.00
		74	16QAM	13.54	13.76	13.30	15.00
	36	0	16QAM	12.55	13.59	12.00	14.00
		20	16QAM	12.61	13.12	12.32	14.00
		39	16QAM	12.38	13.62	12.42	14.00
75	0	16QAM	12.63	13.78	12.18	14.00	
15	1	0	64QAM	12.01	12.09	12.06	14.00
		37	64QAM	12.20	13.44	12.07	14.00
		74	64QAM	12.24	12.30	12.16	14.00
	36	0	64QAM	11.24	11.32	11.23	13.00
		20	64QAM	11.25	12.49	11.22	13.00
		39	64QAM	11.10	11.16	11.18	13.00
75	0	64QAM	11.33	11.39	11.14	13.00	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	1	0	QPSK	14.13	14.18	14.14	16.00
		25	QPSK	14.32	15.60	14.07	16.00
		49	QPSK	14.03	14.31	14.27	16.00
	25	0	QPSK	13.52	14.52	13.06	15.00
		12	QPSK	13.62	13.65	13.38	15.00
		25	QPSK	13.47	14.56	13.35	15.00
50	0	QPSK	13.50	14.57	13.13	15.00	
10	1	0	16QAM	13.34	13.64	13.66	15.00
		25	16QAM	13.81	13.71	13.64	15.00
		49	16QAM	13.46	13.82	13.26	15.00
	25	0	16QAM	12.55	13.53	12.11	14.00
		12	16QAM	12.61	13.10	12.34	14.00
		25	16QAM	12.33	13.55	12.31	14.00
50	0	16QAM	12.52	13.73	12.24	14.00	
10	1	0	64QAM	12.01	12.06	12.00	14.00
		25	64QAM	12.30	13.53	12.08	14.00
		49	64QAM	12.15	12.32	12.20	14.00
	25	0	64QAM	11.17	11.37	11.28	13.00
		12	64QAM	11.16	12.50	11.58	13.00
		25	64QAM	11.11	11.28	11.25	13.00
50	0	64QAM	11.30	11.44	11.28	13.00	

Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	1	0	QPSK	14.07	14.11	14.02	16.00
		12	QPSK	14.26	15.61	14.17	16.00
		24	QPSK	14.06	14.22	14.31	16.00
	12	0	QPSK	13.55	14.56	14.26	15.00
		7	QPSK	13.56	13.65	13.38	15.00
		13	QPSK	13.43	14.55	13.31	15.00
	25	0	QPSK	13.60	14.67	13.18	15.00
5	1	0	16QAM	13.39	13.66	13.63	15.00
		12	16QAM	13.83	13.72	13.63	15.00
		24	16QAM	13.56	13.82	13.21	15.00
	12	0	16QAM	12.53	13.54	12.11	14.00
		7	16QAM	12.60	13.20	12.37	14.00
		13	16QAM	12.42	13.54	12.42	14.00
	25	0	16QAM	12.60	13.75	12.24	14.00
5	1	0	64QAM	12.13	12.09	12.01	14.00
		12	64QAM	12.30	13.42	12.05	14.00
		24	64QAM	12.14	12.28	12.23	14.00
	12	0	64QAM	11.22	11.24	11.31	13.00
		7	64QAM	11.25	12.56	11.02	13.00
		13	64QAM	11.13	11.18	11.15	13.00
	25	0	64QAM	11.33	11.42	11.27	13.00
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	1	0	QPSK	14.01	14.14	14.03	16.00
		8	QPSK	14.26	15.52	14.05	16.00
		14	QPSK	14.27	14.36	14.24	16.00
	8	0	QPSK	13.56	14.52	13.05	15.00
		4	QPSK	13.69	13.68	13.28	15.00
		7	QPSK	13.43	14.58	13.33	15.00
	15	0	QPSK	13.61	14.62	13.16	15.00
3	1	0	16QAM	13.29	13.68	13.56	15.00
		8	16QAM	13.84	13.66	13.75	15.00
		14	16QAM	13.49	13.83	13.24	15.00
	8	0	16QAM	12.52	13.59	12.10	14.00
		4	16QAM	12.67	13.16	12.32	14.00
		7	16QAM	12.38	13.59	12.40	14.00
	15	0	16QAM	12.53	13.74	12.26	14.00
3	1	0	64QAM	12.01	12.12	12.05	14.00
		8	64QAM	12.19	13.46	12.00	14.00
		14	64QAM	12.17	12.25	12.16	14.00
	8	0	64QAM	11.18	11.35	11.21	13.00
		4	64QAM	11.13	12.60	11.01	13.00
		7	64QAM	11.09	11.24	11.26	13.00
	15	0	64QAM	11.26	11.37	11.27	13.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	1	0	QPSK	14.31	15.14	14.82	16.00
		3	QPSK	14.38	15.49	14.97	16.00
		5	QPSK	14.29	15.12	14.90	16.00
	3	0	QPSK	14.28	15.19	14.81	16.00
		1	QPSK	14.31	15.21	14.89	16.00
		3	QPSK	14.23	15.13	14.94	16.00
	6	0	QPSK	13.44	14.30	14.09	15.00
1.4	1	0	16QAM	13.55	14.63	14.03	15.00
		3	16QAM	13.61	14.69	14.12	15.00
		5	16QAM	13.52	14.61	14.18	15.00
	3	0	16QAM	13.48	14.46	14.19	15.00
		1	16QAM	13.52	14.50	14.27	15.00
		3	16QAM	13.47	14.43	14.26	15.00
	6	0	16QAM	12.59	13.24	13.29	14.00
1.4	1	0	64QAM	12.01	12.11	12.05	14.00
		3	64QAM	12.24	13.41	12.09	14.00
		5	64QAM	12.16	12.22	12.25	14.00
	3	0	64QAM	12.06	12.13	12.04	14.00
		1	64QAM	12.19	13.51	12.04	14.00
		3	64QAM	12.17	12.28	12.22	14.00
	6	0	64QAM	11.20	11.30	11.32	13.00

8.2.11 LTE Band71 Output Power

LTE B71 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				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	1	0	QPSK	23.12	23.60	23.28	24.50
		49	QPSK	23.94	24.00	23.90	24.50
		99	QPSK	23.28	23.56	23.51	24.50
	50	0	QPSK	22.46	22.69	22.46	23.50
		24	QPSK	22.47	22.61	22.47	23.50
		50	QPSK	22.58	22.60	22.56	23.50
	100	0	QPSK	22.58	22.56	22.53	23.50
20	1	0	16QAM	22.59	22.47	23.32	23.50
		49	16QAM	23.46	22.78	22.90	23.50
		99	16QAM	22.37	22.48	23.33	23.50
	50	0	16QAM	21.57	21.71	21.48	22.50
		24	16QAM	21.57	21.62	21.48	22.50
		50	16QAM	21.54	21.56	21.58	22.50
	100	0	16QAM	21.52	21.61	21.48	22.50
20	1	0	64QAM	21.34	21.97	21.71	22.50
		49	64QAM	22.26	22.36	22.41	22.50
		99	64QAM	21.67	21.88	21.64	22.50
	50	0	64QAM	20.61	20.65	20.53	21.50
		24	64QAM	20.55	20.61	20.50	21.50
		50	64QAM	20.68	20.60	20.59	21.50
	100	0	64QAM	20.67	20.65	20.50	21.50
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	1	0	QPSK	23.28	23.37	23.40	24.50
		37	QPSK	23.73	23.80	23.64	24.50
		74	QPSK	23.48	23.44	23.46	24.50
	36	0	QPSK	22.49	22.63	22.49	23.50
		20	QPSK	22.47	22.55	22.46	23.50
		39	QPSK	22.51	22.44	22.59	23.50
	75	0	QPSK	22.48	22.53	22.53	23.50
15	1	0	16QAM	22.78	23.18	22.67	23.50
		37	16QAM	22.71	23.32	22.57	23.50
		74	16QAM	23.03	23.07	22.13	23.50
	36	0	16QAM	21.49	21.67	21.45	22.50
		20	16QAM	21.41	21.57	21.39	22.50
		39	16QAM	21.52	21.53	21.67	22.50
	75	0	16QAM	21.39	21.58	21.47	22.50
15	1	0	64QAM	21.94	21.32	21.84	22.50
		37	64QAM	22.29	21.65	21.98	22.50
		74	64QAM	22.15	21.13	21.53	22.50
	36	0	64QAM	20.72	20.81	20.38	21.50
		20	64QAM	20.49	20.80	20.42	21.50
		39	64QAM	20.63	20.70	20.66	21.50
	75	0	64QAM	20.53	20.67	20.52	21.50

Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	1	0	QPSK	23.07	23.55	23.27	24.50
		25	QPSK	23.88	23.97	23.87	24.50
		49	QPSK	23.20	23.55	23.44	24.50
	25	0	QPSK	22.45	22.56	22.39	23.50
		12	QPSK	22.38	22.50	22.33	23.50
		25	QPSK	22.43	22.53	22.42	23.50
	50	0	QPSK	22.57	22.48	22.50	23.50
10	1	0	16QAM	22.50	22.41	23.29	23.50
		25	16QAM	23.37	22.65	22.89	23.50
		49	16QAM	22.22	22.45	23.24	23.50
	25	0	16QAM	21.56	21.64	21.46	22.50
		12	16QAM	21.56	21.58	21.38	22.50
		25	16QAM	21.44	21.52	21.45	22.50
	50	0	16QAM	21.41	21.50	21.46	22.50
10	1	0	64QAM	21.22	21.95	21.59	22.50
		25	64QAM	22.17	22.34	22.31	22.50
		49	64QAM	21.65	21.74	21.61	22.50
	25	0	64QAM	20.57	20.63	20.51	21.50
		12	64QAM	20.43	20.49	20.48	21.50
		25	64QAM	20.66	20.57	20.52	21.50
	50	0	64QAM	20.58	20.55	20.43	21.50
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	1	0	QPSK	23.01	23.53	23.19	24.50
		12	QPSK	23.79	24.04	23.78	24.50
		24	QPSK	23.25	23.44	23.46	24.50
	12	0	QPSK	22.44	22.64	22.36	23.50
		7	QPSK	22.42	22.47	22.41	23.50
		13	QPSK	22.51	22.58	22.44	23.50
25	0	QPSK	22.43	22.55	22.51	23.50	
5	1	0	16QAM	22.58	22.40	23.18	23.50
		12	16QAM	23.31	22.72	22.98	23.50
		24	16QAM	22.27	22.35	23.18	23.50
	12	0	16QAM	21.56	21.65	21.45	22.50
		7	16QAM	21.51	21.51	21.40	22.50
		13	16QAM	21.52	21.42	21.49	22.50
	25	0	16QAM	21.39	21.53	21.44	22.50
5	1	0	64QAM	21.31	21.91	21.58	22.50
		12	64QAM	22.23	22.26	22.32	22.50
		24	64QAM	21.64	21.85	21.63	22.50
	12	0	64QAM	20.53	20.56	20.49	21.50
		7	64QAM	20.48	20.53	20.45	21.50
		13	64QAM	20.63	20.51	20.53	21.50
	25	0	64QAM	20.64	20.60	20.49	21.50

8.2.11 LTE Band71 Output Power

LTE B71 State1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	1	0	QPSK	22.68	22.69	22.76	23.50
		49	QPSK	22.93	22.97	22.95	23.50
		99	QPSK	22.38	22.71	22.73	23.50
	50	0	QPSK	22.66	22.74	22.77	23.50
		24	QPSK	22.67	22.75	22.76	23.50
		50	QPSK	22.63	22.72	22.74	23.50
	100	0	QPSK	22.61	22.67	22.69	23.50
20	1	0	16QAM	22.47	22.54	22.59	23.50
		49	16QAM	22.78	22.86	22.88	23.50
		99	16QAM	22.21	22.29	22.32	23.50
	50	0	16QAM	22.28	22.32	22.35	22.50
		24	16QAM	22.25	22.29	22.31	22.50
		50	16QAM	22.16	22.24	22.26	22.50
	100	0	16QAM	21.92	22.01	22.05	22.50
20	1	0	64QAM	21.55	21.62	21.69	22.50
		49	64QAM	21.92	21.93	21.88	22.50
		99	64QAM	21.36	21.65	21.63	22.50
	50	0	64QAM	20.63	20.62	20.65	21.50
		24	64QAM	20.67	20.62	20.73	21.50
		50	64QAM	20.84	20.94	20.85	21.50
	100	0	64QAM	20.23	20.56	20.62	21.50
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	1	0	QPSK	22.60	22.54	22.67	23.50
		37	QPSK	22.86	22.92	22.86	23.50
		74	QPSK	22.27	22.68	22.62	23.50
	36	0	QPSK	22.57	22.62	22.72	23.50
		20	QPSK	22.60	22.64	22.67	23.50
		39	QPSK	22.59	22.59	22.69	23.50
	75	0	QPSK	22.46	22.52	22.61	23.50
15	1	0	16QAM	22.43	22.44	22.56	23.50
		37	16QAM	22.65	22.77	22.76	23.50
		74	16QAM	22.18	22.27	22.23	23.50
	36	0	16QAM	22.18	22.24	22.20	22.50
		20	16QAM	22.22	22.27	22.24	22.50
		39	16QAM	22.02	22.22	22.19	22.50
	75	0	16QAM	21.77	21.95	21.94	22.50
15	1	0	64QAM	21.42	21.57	21.65	22.50
		37	64QAM	21.84	21.85	21.78	22.50
		74	64QAM	21.34	21.59	21.49	22.50
	36	0	64QAM	20.61	20.50	20.62	21.50
		20	64QAM	20.61	20.58	20.66	21.50
		39	64QAM	20.81	20.89	20.81	21.50
	75	0	64QAM	20.18	20.54	20.53	21.50

Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	1	0	QPSK	22.64	22.65	22.74	23.50
		25	QPSK	22.83	22.96	22.94	23.50
		49	QPSK	22.32	22.62	22.71	23.50
	25	0	QPSK	22.57	22.61	22.66	23.50
		12	QPSK	22.66	22.72	22.70	23.50
		25	QPSK	22.57	22.62	22.68	23.50
	50	0	QPSK	22.58	22.59	22.55	23.50
10	1	0	16QAM	22.41	22.44	22.58	23.50
		25	16QAM	22.77	22.81	22.82	23.50
		49	16QAM	22.20	22.17	22.17	23.50
	25	0	16QAM	22.13	22.21	22.30	22.50
		12	16QAM	22.18	22.21	22.23	22.50
		25	16QAM	22.01	22.13	22.14	22.50
	50	0	16QAM	21.79	21.95	22.04	22.50
10	1	0	64QAM	21.52	21.50	21.59	22.50
		25	64QAM	21.91	21.88	21.75	22.50
		49	64QAM	21.28	21.58	21.52	22.50
	25	0	64QAM	20.50	20.52	20.63	21.50
		12	64QAM	20.58	20.57	20.67	21.50
		25	64QAM	20.78	20.92	20.75	21.50
	50	0	64QAM	20.15	20.45	20.53	21.50
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	1	0	QPSK	22.64	22.59	22.75	23.50
		12	QPSK	22.90	22.95	22.84	23.50
		24	QPSK	22.33	22.62	22.59	23.50
	12	0	QPSK	22.65	22.66	22.75	23.50
		7	QPSK	22.61	22.70	22.72	23.50
		13	QPSK	22.57	22.60	22.59	23.50
	25	0	QPSK	22.54	22.63	22.62	23.50
5	1	0	16QAM	22.41	22.40	22.55	23.50
		12	16QAM	22.71	22.79	22.76	23.50
		24	16QAM	22.15	22.17	22.26	23.50
	12	0	16QAM	22.24	22.31	22.28	22.50
		7	16QAM	22.14	22.27	22.20	22.50
		13	16QAM	22.15	22.17	22.20	22.50
	25	0	16QAM	21.85	21.93	21.91	22.50
5	1	0	64QAM	21.52	21.61	21.59	22.50
		12	64QAM	21.90	21.80	21.81	22.50
		24	64QAM	21.26	21.60	21.53	22.50
	12	0	64QAM	20.62	20.60	20.63	21.50
		7	64QAM	20.64	20.47	20.71	21.50
		13	64QAM	20.70	20.90	20.83	21.50
	25	0	64QAM	20.22	20.53	20.49	21.50

8.2.12 LTE Band38 Output Power

LTE B38 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	1	0	QPSK	23.21	22.96	22.93	24.00
		49	QPSK	23.52	23.58	23.20	24.00
		99	QPSK	23.02	22.52	22.77	24.00
	50	0	QPSK	22.21	22.06	22.06	23.00
		24	QPSK	22.12	22.20	21.99	23.00
		50	QPSK	22.13	22.00	21.97	23.00
	100	0	QPSK	22.19	22.09	22.05	23.00
		0	16QAM	22.79	22.33	21.56	23.00
		49	16QAM	22.75	22.88	21.96	23.00
		99	16QAM	22.66	22.26	21.62	23.00
20	1	0	16QAM	21.25	21.24	21.19	22.00
		24	16QAM	21.23	21.17	21.14	22.00
		50	16QAM	21.24	21.14	21.12	22.00
	100	0	16QAM	21.13	21.09	20.82	22.00
		0	64QAM	21.42	21.39	21.26	22.00
		49	64QAM	21.55	21.95	21.92	22.00
		99	64QAM	21.59	21.31	21.27	22.00
	50	0	64QAM	20.41	20.17	20.12	21.00
		24	64QAM	20.29	20.06	20.05	21.00
		50	64QAM	20.25	20.08	20.03	21.00
	100	0	64QAM	20.21	20.04	19.96	21.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	1	0	QPSK	22.49	22.63	22.18	24.00
		37	QPSK	23.09	23.26	23.01	24.00
		74	QPSK	22.82	23.02	22.83	24.00
	36	0	QPSK	22.13	22.07	22.06	23.00
		20	QPSK	22.07	22.01	22.04	23.00
		39	QPSK	21.98	21.99	22.08	23.00
	75	0	QPSK	22.07	22.00	22.08	23.00
		0	16QAM	21.77	22.47	22.14	23.00
		37	16QAM	21.85	22.67	22.26	23.00
		74	16QAM	21.48	22.37	21.82	23.00
15	1	0	16QAM	20.96	21.20	21.13	22.00
		20	16QAM	21.13	21.15	21.10	22.00
		39	16QAM	20.97	21.14	21.14	22.00
	75	0	16QAM	21.05	21.10	21.09	22.00
		0	64QAM	21.83	21.23	21.79	22.00
		37	64QAM	21.75	21.25	21.87	22.00
		74	64QAM	21.88	20.99	21.78	22.00
	36	0	64QAM	20.40	20.23	20.04	21.00
		20	64QAM	20.25	20.38	20.00	21.00
		39	64QAM	20.16	20.24	20.01	21.00
	75	0	64QAM	20.19	20.27	20.13	21.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	1	0	QPSK	22.52	22.65	22.41	24.00
		25	QPSK	23.22	23.26	23.06	24.00
		49	QPSK	22.74	22.88	22.73	24.00
	25	0	QPSK	22.07	22.02	22.05	23.00
		12	QPSK	22.04	22.00	22.04	23.00
		25	QPSK	22.02	22.05	22.04	23.00
	50	0	QPSK	22.06	22.08	22.00	23.00
		0	16QAM	22.04	22.35	21.87	23.00
		25	16QAM	22.07	22.85	22.48	23.00
		49	16QAM	21.51	22.49	21.81	23.00
10	1	0	16QAM	20.95	21.03	21.16	22.00
		12	16QAM	20.95	21.02	21.16	22.00
		25	16QAM	20.92	20.99	21.24	22.00
	50	0	16QAM	20.98	21.08	20.95	22.00
		0	64QAM	21.85	21.41	20.66	22.00
		25	64QAM	21.34	21.46	21.03	22.00
		49	64QAM	21.94	21.05	20.62	22.00
	25	0	64QAM	20.19	20.10	20.14	21.00
		12	64QAM	20.23	20.08	20.16	21.00
		25	64QAM	20.16	20.14	20.14	21.00
	50	0	64QAM	20.35	20.03	20.10	21.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	1	0	QPSK	22.67	22.36	22.49	24.00
		12	QPSK	22.89	22.95	22.78	24.00
		24	QPSK	22.40	22.33	22.74	24.00
	12	0	QPSK	22.02	22.01	21.98	23.00
		7	QPSK	22.02	21.99	21.98	23.00
		13	QPSK	22.06	21.99	21.99	23.00
	25	0	QPSK	21.99	21.99	22.01	23.00
		0	16QAM	22.14	22.12	22.19	23.00
		12	16QAM	22.54	22.48	22.56	23.00
		24	16QAM	22.11	22.04	22.13	23.00
5	1	0	16QAM	20.98	20.88	20.95	22.00
		7	16QAM	20.95	20.84	20.95	22.00
		13	16QAM	21.00	20.83	20.92	22.00
	25	0	16QAM	21.08	20.99	20.78	22.00
		0	64QAM	21.45	21.12	20.80	22.00
		12	64QAM	21.64	21.46	20.83	22.00
	12	0	64QAM	21.25	21.15	20.35	22.00
		7	64QAM	19.92	20.44	19.91	21.00
		13	64QAM	19.90	20.44	19.94	21.00
		25	64QAM	19.93	20.34	19.96	21.00
	25	0	64QAM	20.06	20.43	20.05	21.00

8.2.12 LTE Band38 Output Power

LTE B38 State1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	1	0	QPSK	14.26	14.34	14.21	16.00
		49	QPSK	14.56	15.32	15.26	16.00
		99	QPSK	14.26	14.74	14.76	16.00
	50	0	QPSK	13.94	13.70	13.48	15.00
		24	QPSK	14.05	13.92	13.70	15.00
		50	QPSK	13.76	13.60	13.46	15.00
	100	0	QPSK	13.79	13.64	13.42	15.00
		0	16QAM	13.22	13.42	13.02	15.00
		49	16QAM	14.33	14.24	13.96	15.00
		99	16QAM	13.36	13.21	13.16	15.00
20	1	0	16QAM	12.83	12.62	12.45	13.00
		24	16QAM	12.94	12.84	12.67	13.00
		50	16QAM	12.64	12.53	12.44	13.00
	100	0	16QAM	12.68	12.56	12.35	13.00
		0	64QAM	12.15	12.21	12.15	14.00
		49	64QAM	12.45	13.26	13.11	14.00
		99	64QAM	12.21	12.68	12.74	14.00
	50	0	64QAM	11.21	11.30	11.17	13.00
		24	64QAM	11.51	12.19	12.15	13.00
		50	64QAM	11.24	11.59	11.74	13.00
	100	0	64QAM	11.23	11.24	11.11	13.00
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	1	0	QPSK	14.77	14.72	14.57	16.00
		37	QPSK	15.18	15.28	15.12	16.00
		74	QPSK	14.76	14.63	14.76	16.00
	36	0	QPSK	13.84	13.59	13.46	15.00
		20	QPSK	14.15	13.90	13.66	15.00
		39	QPSK	13.65	13.53	13.49	15.00
	75	0	QPSK	13.76	13.62	13.40	15.00
		0	16QAM	13.33	13.50	13.17	15.00
		37	16QAM	14.40	14.33	14.02	15.00
		74	16QAM	13.40	13.33	13.20	15.00
15	1	0	16QAM	12.73	12.46	12.43	13.00
		20	16QAM	12.71	12.79	12.63	13.00
		39	16QAM	12.54	12.43	12.45	13.00
	75	0	16QAM	12.67	12.53	12.33	13.00
		0	64QAM	12.07	12.11	12.05	14.00
		37	64QAM	12.32	13.13	13.04	14.00
		74	64QAM	12.09	12.66	12.60	14.00
	36	0	64QAM	11.20	11.20	11.11	13.00
		20	64QAM	11.47	12.15	12.14	13.00
		39	64QAM	11.23	11.57	11.66	13.00
	75	0	64QAM	11.20	11.18	11.02	13.00
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	1	0	QPSK	14.78	14.71	14.63	16.00
		25	QPSK	15.13	15.23	15.17	16.00
		49	QPSK	14.91	14.63	14.68	16.00
	25	0	QPSK	13.83	13.56	13.41	15.00
		12	QPSK	14.13	13.87	13.71	15.00
		25	QPSK	13.84	13.60	13.56	15.00
	50	0	QPSK	13.89	13.63	13.47	15.00
		0	16QAM	13.39	13.53	13.28	15.00
		25	16QAM	14.48	14.37	14.13	15.00
		49	16QAM	13.46	13.42	13.41	15.00
10	1	0	16QAM	12.75	12.46	12.36	13.00
		12	16QAM	12.71	12.79	12.67	13.00
		25	16QAM	12.77	12.52	12.53	13.00
	50	0	16QAM	12.80	12.56	12.45	13.00
		0	64QAM	12.06	12.06	12.02	14.00
		25	64QAM	12.39	13.17	13.10	14.00
		49	64QAM	12.07	12.55	12.69	14.00
	25	0	64QAM	11.08	11.18	11.06	13.00
		12	64QAM	11.45	12.12	12.07	13.00
		25	64QAM	11.20	11.57	11.62	13.00
	50	0	64QAM	11.14	11.18	11.09	13.00
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	1	0	QPSK	14.73	14.73	14.43	16.00
		12	QPSK	15.42	15.46	14.82	16.00
		24	QPSK	14.81	14.75	14.35	16.00
	12	0	QPSK	13.81	13.59	13.55	15.00
		7	QPSK	14.05	13.83	13.79	15.00
		13	QPSK	13.85	13.55	13.63	15.00
	25	0	QPSK	13.84	13.64	13.60	15.00
		0	16QAM	13.67	13.33	13.27	15.00
		12	16QAM	14.48	14.02	14.06	15.00
		24	16QAM	13.82	13.32	13.44	15.00
5	1	0	16QAM	12.82	12.58	12.48	13.00
		7	16QAM	12.81	12.82	12.74	13.00
		13	16QAM	12.89	12.53	12.58	13.00
	12	0	16QAM	12.76	12.56	12.56	13.00
		0	64QAM	12.00	12.08	12.04	14.00
		12	64QAM	12.31	13.18	13.01	14.00
	25	0	64QAM	12.20	12.60	12.61	14.00
		0	64QAM	11.08	11.17	11.10	13.00
		7	64QAM	11.41	12.06	12.00	13.00
		13	64QAM	11.11	11.49	11.60	13.00
	25	0	64QAM	11.13	11.17	11.07	13.00

8.2.13 LTE Band41 Output Power

LTE B41 Full Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	1	0	QPSK	22.62	23.24	22.99	23.54	23.02	24.50
		49	QPSK	23.38	23.50	24.14	23.95	23.98	24.50
		99	QPSK	23.13	23.17	23.85	23.73	23.72	24.50
	50	0	QPSK	22.36	22.56	22.62	22.69	22.70	23.50
		24	QPSK	22.43	22.40	22.68	22.64	22.62	23.50
		50	QPSK	22.41	22.45	22.84	22.62	22.52	23.50
	100	0	QPSK	22.41	22.51	22.65	22.64	22.68	23.50
20	1	0	16QAM	22.76	22.31	22.44	21.92	23.17	23.50
		49	16QAM	23.04	22.44	22.76	21.81	23.47	23.50
		99	16QAM	22.77	22.18	22.53	21.81	23.26	23.50
	50	0	16QAM	21.44	21.53	21.69	21.62	21.80	22.50
		24	16QAM	21.45	21.45	21.78	21.57	21.70	22.50
		50	16QAM	21.43	21.36	21.82	21.55	21.71	22.50
	100	0	16QAM	21.41	21.47	21.62	21.39	21.70	22.50
20	1	0	64QAM	21.75	21.15	22.75	21.41	21.96	22.50
		49	64QAM	22.35	21.41	23.05	21.84	21.84	22.50
		99	64QAM	21.86	21.12	23.01	21.70	21.73	22.50
	50	0	64QAM	20.53	20.12	20.60	20.43	20.77	21.50
		24	64QAM	20.55	20.09	20.64	20.45	20.71	21.50
		50	64QAM	20.54	20.42	20.75	20.91	20.57	21.50
	100	0	64QAM	20.50	20.05	20.67	20.58	20.75	21.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	1	0	QPSK	22.97	23.18	23.33	23.50	23.28	24.50
		37	QPSK	23.51	23.44	23.92	23.86	23.61	24.50
		74	QPSK	23.41	23.02	23.90	23.62	23.48	24.50
	36	0	QPSK	22.38	22.47	22.67	22.60	22.73	23.50
		20	QPSK	22.38	22.34	22.70	22.56	22.63	23.50
		39	QPSK	22.41	22.40	22.72	22.50	22.67	23.50
	75	0	QPSK	22.36	22.38	22.65	22.54	22.74	23.50
15	1	0	16QAM	22.20	22.29	23.13	21.89	22.66	23.50
		37	16QAM	22.08	22.35	23.25	21.72	22.51	23.50
		74	16QAM	21.97	22.03	23.28	21.72	22.46	23.50
	36	0	16QAM	21.27	21.43	21.66	21.49	21.82	22.50
		20	16QAM	21.27	21.31	21.69	21.56	21.73	22.50
		39	16QAM	21.37	21.32	21.70	21.43	21.55	22.50
	75	0	16QAM	21.32	21.37	21.66	21.38	21.69	22.50
15	1	0	64QAM	22.10	21.11	21.72	21.33	21.73	22.50
		37	64QAM	22.40	21.32	21.64	21.80	21.88	22.50
		74	64QAM	22.33	21.03	22.06	21.63	22.35	22.50
	36	0	64QAM	20.51	20.05	20.75	20.31	20.71	21.50
		20	64QAM	20.50	20.02	20.78	20.31	20.62	21.50
		39	64QAM	20.47	20.31	20.89	20.84	20.57	21.50
	75	0	64QAM	20.40	19.94	20.75	20.49	20.84	21.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	1	0	QPSK	23.15	23.10	23.34	23.52	23.23	24.50
		25	QPSK	23.65	23.44	23.68	23.87	23.45	24.50
		49	QPSK	23.60	23.04	23.78	23.58	23.44	24.50
	25	0	QPSK	22.54	22.47	22.68	22.57	22.73	23.50
		12	QPSK	22.53	22.34	22.70	22.49	22.64	23.50
		25	QPSK	22.57	22.33	22.74	22.51	22.58	23.50
	50	0	QPSK	22.56	22.43	22.67	22.59	22.68	23.50
10	1	0	16QAM	22.34	22.27	22.70	21.89	23.01	23.50
		25	16QAM	22.38	22.35	23.06	21.67	23.37	23.50
		49	16QAM	22.30	22.04	23.30	21.79	23.08	23.50
	25	0	16QAM	21.42	21.48	21.64	21.58	21.77	22.50
		12	16QAM	21.38	21.44	21.65	21.42	21.70	22.50
		25	16QAM	21.54	21.25	21.65	21.45	21.62	22.50
	50	0	16QAM	21.38	21.34	21.70	21.32	21.76	22.50
10	1	0	64QAM	22.15	21.10	22.04	21.32	21.49	22.50
		25	64QAM	22.62	21.38	22.14	21.70	21.46	22.50
		49	64QAM	22.55	20.99	22.20	21.57	21.19	22.50
	25	0	64QAM	20.50	20.02	20.73	20.28	20.80	21.50
		12	64QAM	20.47	19.94	20.77	20.38	20.75	21.50
		25	64QAM	20.55	20.40	20.79	20.88	20.70	21.50
	50	0	64QAM	20.52	19.91	20.67	20.44	20.74	21.50
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	1	0	QPSK	23.29	23.22	23.09	23.40	23.33	24.50
		12	QPSK	23.40	23.42	23.75	23.22	23.25	24.50
		24	QPSK	23.30	23.06	23.24	23.42	23.47	24.50
	12	0	QPSK	22.57	22.51	22.63	22.58	22.71	23.50
		7	QPSK	22.58	22.28	22.66	22.55	22.66	23.50
		13	QPSK	22.60	22.34	22.72	22.53	22.59	23.50
	25	0	QPSK	22.53	22.38	22.60	22.63	22.67	23.50
5	1	0	16QAM	22.23	22.29	22.73	21.81	22.77	23.50
		12	16QAM	22.28	22.37	22.93	21.78	22.77	23.50
		24	16QAM	22.21	22.05	22.79	21.70	22.81	23.50
	12	0	16QAM	21.52	21.45	21.44	21.51	21.50	22.50
		7	16QAM	21.54	21.30	21.51	21.52	21.40	22.50
		13	16QAM	21.50	21.28	21.49	21.54	21.35	22.50
	25	0	16QAM	21.51	21.42	21.66	21.29	21.47	22.50
5	1	0	64QAM	21.16	21.09	22.10	21.28	21.56	22.50
		12	64QAM	21.77	21.35	22.38	21.83	21.31	22.50
		24	64QAM	21.90	21.05	22.19	21.67	20.98	22.50
	12	0	64QAM	20.44	19.97	20.97	20.39	20.49	21.50
		7	64QAM	20.44	20.03	21.00	20.36	20.49	21.50
		13	64QAM	20.42	20.38	20.99	20.76	20.47	21.50
	25	0	64QAM	20.46	19.92	21.00	20.53	20.59	21.50

8.2.13 LTE Band41 Output Power

LTE B41 Full Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	1	0	QPSK	15.04	15.11	15.46	15.98	15.61	16.50
		49	QPSK	15.89	15.42	16.06	16.05	15.90	16.50
		99	QPSK	15.17	14.93	15.69	15.97	15.39	16.50
		0	QPSK	14.75	15.45	15.35	16.05	15.55	16.50
	50	24	QPSK	15.12	15.44	15.64	16.04	15.47	16.50
		50	QPSK	14.63	15.31	15.53	16.05	15.37	16.50
		0	QPSK	14.75	15.42	15.44	15.95	15.53	16.50
	100	0	QPSK	14.75	15.42	15.44	15.95	15.53	16.50
20	1	0	16QAM	14.67	15.15	14.83	16.02	15.79	16.50
		49	16QAM	15.94	15.19	15.63	16.00	15.96	16.50
		99	16QAM	15.47	14.64	15.73	16.03	15.47	16.50
		0	16QAM	14.66	15.34	15.35	15.97	15.55	16.50
	50	24	16QAM	15.00	15.46	15.58	15.98	15.49	16.50
		50	16QAM	14.57	15.31	15.48	15.96	15.35	16.50
		0	16QAM	14.67	15.39	15.35	15.99	15.41	16.50
	100	0	16QAM	14.67	15.39	15.35	15.99	15.41	16.50
20	1	0	64QAM	14.96	15.10	15.38	15.86	15.50	16.50
		49	64QAM	15.87	15.38	16.05	15.90	15.80	16.50
		99	64QAM	15.08	14.90	15.60	15.85	15.38	16.50
		0	64QAM	14.94	15.07	15.45	15.92	15.59	16.50
	50	24	64QAM	15.82	15.32	15.94	15.97	15.88	16.50
		50	64QAM	15.06	14.82	15.68	15.96	15.25	16.50
		0	64QAM	15.02	15.06	15.45	15.95	15.49	16.50
	100	0	64QAM	15.02	15.06	15.45	15.95	15.49	16.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	1	0	QPSK	14.43	15.53	15.37	15.95	15.42	16.50
		37	QPSK	15.11	15.46	16.03	15.91	15.75	16.50
		74	QPSK	14.69	15.27	15.53	15.94	15.31	16.50
		0	QPSK	14.81	15.45	15.41	15.97	15.60	16.50
	36	20	QPSK	15.14	15.41	15.59	16.01	15.48	16.50
		39	QPSK	14.94	15.30	15.50	16.02	15.37	16.50
		0	QPSK	14.89	15.47	15.48	15.96	15.57	16.50
	75	0	QPSK	14.89	15.47	15.48	15.96	15.57	16.50
15	1	0	16QAM	14.74	15.73	15.35	15.96	15.71	16.50
		37	16QAM	15.40	15.81	15.42	15.93	15.37	16.50
		74	16QAM	15.01	15.68	15.48	15.99	15.18	16.50
		0	16QAM	14.74	15.33	15.45	16.00	15.42	16.50
	36	20	16QAM	15.03	15.33	15.59	16.01	15.37	16.50
		39	16QAM	14.86	15.15	15.54	16.00	15.24	16.50
		0	16QAM	14.84	15.33	15.52	15.92	15.51	16.50
	75	0	16QAM	14.84	15.33	15.52	15.92	15.51	16.50
15	1	0	64QAM	15.01	15.01	15.37	15.92	15.54	16.50
		37	64QAM	15.88	15.34	16.01	15.94	15.80	16.50
		74	64QAM	15.16	14.81	15.56	15.94	15.37	16.50
		0	64QAM	15.03	15.08	15.39	15.97	15.49	16.50
	36	20	64QAM	15.78	15.35	15.95	16.01	15.88	16.50
		39	64QAM	15.02	14.80	15.80	15.92	15.37	16.50
		0	64QAM	14.92	14.99	15.43	15.97	15.56	16.50
	75	0	64QAM	14.92	14.99	15.43	15.97	15.56	16.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	1	0	QPSK	15.58	15.50	15.29	15.91	15.60	16.50
		25	QPSK	15.73	15.48	16.03	15.98	15.52	16.50
		49	QPSK	14.84	15.31	15.95	15.99	15.28	16.50
		0	QPSK	14.83	15.48	15.99	15.94	15.64	16.50
	25	12	QPSK	15.08	15.43	15.52	15.96	15.52	16.50
		25	QPSK	15.01	15.38	15.51	15.98	15.42	16.50
		0	QPSK	14.92	15.42	15.52	15.97	15.50	16.50
	50	0	QPSK	14.92	15.42	15.52	15.97	15.50	16.50
10	1	0	16QAM	14.80	15.71	15.13	16.01	16.02	16.50
		25	16QAM	15.40	15.93	15.42	15.94	15.99	16.50
		49	16QAM	15.19	15.66	15.45	15.99	15.92	16.50
		0	16QAM	14.79	15.60	15.34	15.94	15.49	16.50
	25	12	16QAM	15.00	15.62	15.35	15.99	15.42	16.50
		25	16QAM	14.97	15.55	15.48	15.96	15.36	16.50
		0	16QAM	14.86	15.37	15.49	15.97	15.49	16.50
	50	0	16QAM	14.86	15.37	15.49	15.97	15.49	16.50
10	1	0	64QAM	15.01	15.09	15.44	15.89	15.55	16.50
		25	64QAM	15.75	15.35	15.93	16.01	15.78	16.50
		49	64QAM	15.12	14.80	15.66	15.83	15.25	16.50
		0	64QAM	14.98	14.96	15.41	15.89	15.49	16.50
	25	12	64QAM	15.76	15.41	15.92	16.00	15.77	16.50
		25	64QAM	15.11	14.90	15.57	15.83	15.31	16.50
		0	64QAM	14.91	15.00	15.32	15.93	15.49	16.50
	50	0	64QAM	14.91	15.00	15.32	15.93	15.49	16.50
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	1	0	QPSK	15.26	15.15	15.06	15.96	15.14	16.50
		12	QPSK	16.01	15.87	16.02	15.92	15.32	16.50
		24	QPSK	15.42	15.32	15.21	15.71	15.03	16.50
		0	QPSK	15.46	15.43	15.47	15.97	15.48	16.50
	12	7	QPSK	15.62	15.50	15.57	15.94	15.54	16.50
		13	QPSK	15.44	15.36	15.45	15.99	15.33	16.50
		0	QPSK	15.50	15.42	15.43	15.98	15.48	16.50
	25	0	QPSK	15.50	15.42	15.43	15.98	15.48	16.50
5	1	0	16QAM	14.96	14.94	15.18	16.01	15.22	16.50
		12	16QAM	15.16	15.03	15.56	15.98	15.00	16.50
		24	16QAM	14.81	14.52	15.06	15.94	14.84	16.50
		0	16QAM	14.63	15.28	15.31	15.95	15.51	16.50
	12	7	16QAM	14.91	15.37	15.56	15.93	15.61	16.50
		13	16QAM	14.79	15.08	15.44	15.95	15.41	16.50
		0	16QAM	14.65	15.45	15.32	15.96	15.34	16.50
	25	0	16QAM	14.65	15.45	15.32	15.96	15.34	16.50
5	1	0	64QAM	14.98	14.97	15.33	15.85	15.56	16.50
		12	64QAM	15.79	15.35	15.97	15.90	15.75	16.50
		24	64QAM	15.15	14.84	15.61	15.88	15.26	16.50
		0	64QAM	15.00	15.10	15.34	15.97	15.51	16.50
	12	7	64QAM	15.86	15.39	15.92	16.01	15.77	16.50
		13	64QAM	15.02	14.78	15.65	15.88	15.37	16.50
		0	64QAM	15.01	15.07	15.37	15.94	15.48	16.50
	25	0	64QAM	15.01	15.07	15.37	15.94	15.48	16.50