

8 CONDUCTED RF OUPUT POWER

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8.1 GSM Output Power

GSM 850 ANT1									
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power (dBm)			Tune-up Power(dBm)
Channel	128	190	251			128	190	251	
Frequency (MHz)	824.2	836.6	848.8			824.2	836.6	848.8	
GSM (GMSK, 1-Slot)	27.69	27.34	26.92	28.00	9.19	18.50	18.15	17.73	18.81
GPRS (GMSK, 1-Slot)	27.67	27.32	26.90	28.00	9.19	18.48	18.13	17.71	18.81
GPRS (GMSK, 2-Slots)	29.75	29.51	29.17	30.00	6.13	23.62	23.38	23.04	23.87
GPRS (GMSK, 3-Slots)	30.31	30.09	29.87	30.50	4.42	25.89	25.67	25.45	26.08
GPRS (GMSK, 4-Slots)	28.96	29.03	28.70	29.50	3.18	25.78	25.85	25.52	26.32
EGPRS (8PSK, 1-Slot)	27.67	27.32	26.89	28.00	9.19	18.48	18.13	17.70	18.81
EGPRS (8PSK, 2-Slots)	29.75	29.50	29.17	30.00	6.13	23.62	23.37	23.04	23.87
EGPRS (8PSK, 3-Slots)	30.31	30.10	29.87	30.50	4.42	25.89	25.68	25.45	26.08
EGPRS (8PSK, 4-Slots)	28.22	28.50	28.30	29.00	3.18	25.04	25.32	25.12	25.82

GSM 850 ANT2									
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power (dBm)			Tune-up Power(dBm)
Channel	128	190	251			128	190	251	
Frequency (MHz)	824.2	836.6	848.8			824.2	836.6	848.8	
GSM (GMSK, 1-Slot)	27.10	26.82	26.79	28.00	9.19	17.91	17.63	17.60	18.81
GPRS (GMSK, 1-Slot)	27.07	26.79	26.76	28.00	9.19	17.88	17.60	17.57	18.81
GPRS (GMSK, 2-Slots)	29.27	29.05	28.78	30.00	6.13	23.14	22.92	22.65	23.87
GPRS (GMSK, 3-Slots)	29.79	29.68	29.51	30.50	4.42	25.37	25.26	25.09	26.08
GPRS (GMSK, 4-Slots)	28.44	28.55	28.31	29.50	3.18	25.26	25.37	25.13	26.32
EGPRS (8PSK, 1-Slot)	27.09	26.84	26.75	28.00	9.19	17.90	17.65	17.56	18.81
EGPRS (8PSK, 2-Slots)	29.31	29.09	28.83	30.00	6.13	23.18	22.96	22.70	23.87
EGPRS (8PSK, 3-Slots)	29.94	29.73	29.55	30.50	4.42	25.52	25.31	25.13	26.08
EGPRS (8PSK, 4-Slots)	28.20	28.45	28.36	29.00	3.18	25.02	25.27	25.18	25.82

8.1 GSM Output Power

GSM 1900 ANT1									
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power(dBm)			Tune-up Power(dBm)
Channel	512	661	810			512	661	810	
Frequency (MHz)	1850.2	1880	1909.8			1850.2	1880	1909.8	
GSM (GMSK, 1-Slot)	25.88	25.77	25.62	26.50	9.19	16.69	16.58	16.43	17.31
GPRS (GMSK, 1-Slot)	25.88	25.78	25.63	26.50	9.19	16.69	16.59	16.44	17.31
GPRS (GMSK, 2-Slots)	26.87	26.80	26.76	28.00	6.13	20.74	20.67	20.63	21.87
GPRS (GMSK, 3-Slots)	26.68	26.75	26.65	27.50	4.42	22.26	22.33	22.23	23.08
GPRS (GMSK, 4-Slots)	25.67	25.59	25.42	26.00	3.18	22.49	22.41	22.24	22.82
EGPRS (8PSK, 1-Slot)	25.88	25.77	25.63	26.50	9.19	16.69	16.58	16.44	17.31
EGPRS (8PSK, 2-Slots)	25.81	25.70	25.57	26.50	6.13	19.68	19.57	19.44	20.37
EGPRS (8PSK, 3-Slots)	25.74	25.64	25.50	26.50	4.42	21.32	21.22	21.08	22.08
EGPRS (8PSK, 4-Slots)	25.68	25.58	25.44	26.00	3.18	22.50	22.40	22.26	22.82

GSM 1900 ANT2									
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power(dBm)			Tune-up Power(dBm)
Channel	512	661	810			512	661	810	
Frequency (MHz)	1850.2	1880	1909.8			1850.2	1880	1909.8	
GSM (GMSK, 1-Slot)	26.04	26.03	25.92	27.00	9.19	16.85	16.84	16.73	17.81
GPRS (GMSK, 1-Slot)	26.03	26.03	25.93	27.00	9.19	16.84	16.84	16.74	17.81
GPRS (GMSK, 2-Slots)	27.01	27.03	26.93	28.00	6.13	20.88	20.90	20.80	21.87
GPRS (GMSK, 3-Slots)	26.95	26.98	26.92	28.00	4.42	22.53	22.56	22.50	23.58
GPRS (GMSK, 4-Slots)	25.83	25.84	25.73	26.50	3.18	22.65	22.66	22.55	23.32
EGPRS (8PSK, 1-Slot)	25.81	25.77	25.75	26.50	9.19	16.62	16.58	16.56	17.31
EGPRS (8PSK, 2-Slots)	25.81	25.70	25.57	26.50	6.13	19.68	19.57	19.44	20.37
EGPRS (8PSK, 3-Slots)	25.74	25.64	25.50	26.50	4.42	21.32	21.22	21.08	22.08
EGPRS (8PSK, 4-Slots)	25.68	25.58	25.44	26.50	3.18	22.50	22.40	22.26	23.32

8.2 WCDMA Output Power

WCDMA II ANT1				
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	13.57	13.68	13.65	14.50
HSDPA Subtest-1	13.59	13.51	13.65	14.50
HSDPA Subtest-2	13.55	13.47	13.56	14.50
HSDPA Subtest-3	12.95	13.05	13.13	14.00
HSDPA Subtest-4	13.09	13.06	13.12	14.00
DC-HSDPA Subtest-1	13.50	13.44	13.53	14.50
DC-HSDPA Subtest-2	13.41	13.58	13.55	14.50
DC-HSDPA Subtest-3	12.98	13.04	12.95	14.00
DC-HSDPA Subtest-4	12.93	12.99	13.05	14.00
HSUPA Subtest-1	13.60	13.57	13.49	14.50
HSUPA Subtest-2	11.54	11.56	11.51	12.50
HSUPA Subtest-3	12.48	12.41	12.58	13.50
HSUPA Subtest-4	11.48	11.50	11.59	12.50
HSUPA Subtest-5	13.48	13.53	13.49	14.50
HSPA+	10.97	11.03	11.14	12.00
Mode	Max:	13.68		

WCDMA II ANT2				
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	13.70	13.81	13.76	14.50
HSDPA Subtest-1	13.75	13.75	13.78	14.50
HSDPA Subtest-2	13.67	13.68	13.73	14.50
HSDPA Subtest-3	13.19	13.20	13.25	14.00
HSDPA Subtest-4	13.19	13.19	13.23	14.00
DC-HSDPA Subtest-1	13.64	13.60	13.63	14.50
DC-HSDPA Subtest-2	13.63	13.68	13.76	14.50
DC-HSDPA Subtest-3	13.18	13.15	13.13	14.00
DC-HSDPA Subtest-4	13.14	13.14	13.26	14.00
HSUPA Subtest-1	13.72	13.72	13.63	14.50
HSUPA Subtest-2	11.67	11.66	11.69	12.50
HSUPA Subtest-3	12.60	12.61	12.68	13.50
HSUPA Subtest-4	11.63	11.74	11.72	12.50
HSUPA Subtest-5	13.68	13.66	13.66	14.50
HSPA+	11.10	11.19	11.25	12.00
Mode	Max:	13.81		

8.2 WCDMA Output Power

WCDMA IV ANT1				
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	14.81	14.91	14.85	16.00
HSDPA Subtest-1	14.79	14.88	14.86	16.00
HSDPA Subtest-2	14.81	14.72	14.81	16.00
HSDPA Subtest-3	14.33	14.32	14.31	15.50
HSDPA Subtest-4	14.22	14.36	14.43	15.50
DC-HSDPA Subtest-1	14.77	14.76	14.80	16.00
DC-HSDPA Subtest-2	14.68	14.79	14.80	16.00
DC-HSDPA Subtest-3	14.26	14.21	14.31	15.50
DC-HSDPA Subtest-4	14.34	14.25	14.27	15.50
HSUPA Subtest-1	14.64	14.76	14.86	16.00
HSUPA Subtest-2	12.78	12.78	12.73	14.00
HSUPA Subtest-3	13.77	13.78	13.70	15.00
HSUPA Subtest-4	12.83	12.77	12.83	14.00
HSUPA Subtest-5	14.90	14.79	14.85	16.00
HSPA+	12.17	12.28	12.41	13.50
Mode	Max:	14.91		

WCDMA IV ANT2				
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	14.89	14.96	14.87	16.00
HSDPA Subtest-1	14.94	14.91	14.87	16.00
HSDPA Subtest-2	14.86	14.87	14.95	16.00
HSDPA Subtest-3	14.37	14.38	14.45	15.50
HSDPA Subtest-4	14.34	14.37	14.45	15.50
DC-HSDPA Subtest-1	14.84	14.90	14.95	16.00
DC-HSDPA Subtest-2	14.83	14.92	14.83	16.00
DC-HSDPA Subtest-3	14.29	14.35	14.43	15.50
DC-HSDPA Subtest-4	14.36	14.38	14.40	15.50
HSUPA Subtest-1	14.79	14.78	14.95	16.00
HSUPA Subtest-2	12.92	12.79	12.86	14.00
HSUPA Subtest-3	13.82	13.81	13.84	15.00
HSUPA Subtest-4	12.89	12.86	12.93	14.00
HSUPA Subtest-5	14.91	14.89	14.93	16.00
HSPA+	12.32	12.33	12.46	13.50
Mode	Max:	14.96		

8.2 WCDMA Output Power

WCDMA V ANT1				
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	18.65	18.67	18.61	19.50
HSDPA Subtest-1	18.63	18.62	18.58	19.50
HSDPA Subtest-2	18.60	18.60	18.62	19.50
HSDPA Subtest-3	18.19	18.10	18.24	19.00
HSDPA Subtest-4	18.09	18.18	18.11	19.00
DC-HSDPA Subtest-1	18.64	18.47	18.59	19.50
DC-HSDPA Subtest-2	18.66	18.58	18.42	19.50
DC-HSDPA Subtest-3	18.05	18.16	18.06	19.00
DC-HSDPA Subtest-4	18.16	18.06	18.11	19.00
HSUPA Subtest-1	18.65	18.53	18.57	19.50
HSUPA Subtest-2	16.56	16.59	16.58	17.50
HSUPA Subtest-3	17.62	17.63	17.56	18.50
HSUPA Subtest-4	16.66	16.54	16.55	17.50
HSUPA Subtest-5	18.57	18.63	18.55	19.50
HSPA+	16.09	16.16	16.07	17.00
Mode	Max:	18.67		

WCDMA V ANT2				
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	18.92	18.97	18.91	20.00
HSDPA Subtest-1	18.91	18.93	18.90	20.00
HSDPA Subtest-2	18.95	18.90	18.86	20.00
HSDPA Subtest-3	18.45	18.42	18.45	19.50
HSDPA Subtest-4	18.43	18.43	18.42	19.50
DC-HSDPA Subtest-1	18.91	18.79	18.89	20.00
DC-HSDPA Subtest-2	18.92	18.85	18.75	20.00
DC-HSDPA Subtest-3	18.34	18.39	18.36	19.50
DC-HSDPA Subtest-4	18.46	18.40	18.33	19.50
HSUPA Subtest-1	18.90	18.86	18.79	20.00
HSUPA Subtest-2	16.85	16.85	16.82	18.00
HSUPA Subtest-3	17.91	17.92	17.86	19.00
HSUPA Subtest-4	16.94	16.80	16.77	18.00
HSUPA Subtest-5	18.92	18.86	18.82	20.00
HSPA+	16.33	16.38	16.32	17.50
Mode	Max:	18.97		

8.3.1 LTE Band2 Output Power

LTE B2 ANT2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				1870.5	1880	1890.5			
Frequency [MHz]				1880	1890	1900			
20	1	0	QPSK	14.10	14.10	14.13	15.00		
		49	QPSK	13.93	14.06	13.99	15.00		
		98	QPSK	13.68	13.81	13.71	15.00		
		0	QPSK	12.89	13.06	12.90	14.00		
		24	QPSK	12.89	13.02	12.98	14.00		
	50	0	QPSK	12.94	12.97	12.94	14.00		
		0	QPSK	12.95	12.98	12.97	14.00		
	100	0	16QAM	13.21	13.26	13.20	14.00		
		49	16QAM	13.54	13.45	13.50	14.00		
		98	16QAM	13.28	13.54	13.19	14.00		
20	1	0	16QAM	11.92	12.03	11.98	13.00		
		49	16QAM	11.96	12.01	11.87	13.00		
		98	16QAM	11.80	11.84	11.81	13.00		
		0	16QAM	11.90	11.98	11.88	13.00		
		24	16QAM	11.96	12.01	11.87	13.00		
	50	0	16QAM	11.95	11.84	11.77	13.00		
		49	16QAM	11.72	11.80	11.76	13.00		
		0	16QAM	10.70	11.00	10.97	12.00		
		24	16QAM	10.77	10.86	10.82	12.00		
		0	16QAM	10.92	10.96	10.83	12.00		
20	1	0	64QAM	11.78	11.95	11.80	13.00		
		49	64QAM	11.95	11.84	11.77	13.00		
		98	64QAM	11.72	11.80	11.76	13.00		
		0	64QAM	10.70	11.00	10.97	12.00		
		24	64QAM	10.77	10.86	10.82	12.00		
	50	0	64QAM	11.67	11.87	11.73	13.00		
		49	64QAM	11.60	11.68	11.73	13.00		
		0	64QAM	10.74	10.95	10.83	12.00		
		24	64QAM	10.72	10.81	10.78	12.00		
		0	64QAM	10.84	10.84	10.73	12.00		
15	1	0	QPSK	14.07	14.10	14.04	15.00		
		49	QPSK	13.83	13.98	13.87	15.00		
		98	QPSK	13.68	13.68	13.59	15.00		
		0	QPSK	12.85	12.83	12.80	14.00		
		24	QPSK	12.93	12.98	12.94	14.00		
	26	0	QPSK	12.76	12.86	12.79	14.00		
		0	QPSK	12.68	12.96	12.79	14.00		
	75	0	16QAM	13.15	13.14	13.07	14.00		
		0	16QAM	13.44	13.51	13.44	14.00		
		74	16QAM	13.26	13.19	13.05	14.00		
15	1	0	16QAM	11.89	11.98	11.91	13.00		
		49	16QAM	11.87	12.00	11.86	13.00		
		98	16QAM	11.82	11.97	11.81	13.00		
		0	16QAM	11.62	11.90	11.75	13.00		
		0	64QAM	11.77	11.89	11.83	13.00		
	26	0	64QAM	11.67	11.87	11.73	13.00		
		74	64QAM	11.60	11.68	11.73	13.00		
		0	64QAM	10.74	10.95	10.83	12.00		
		24	64QAM	10.72	10.81	10.78	12.00		
		0	64QAM	10.84	10.84	10.73	12.00		
15	1	0	QPSK	13.98	14.12	14.02	15.00		
		25	QPSK	13.62	14.01	13.92	15.00		
		49	QPSK	13.63	13.72	13.59	15.00		
		0	QPSK	12.86	12.95	12.86	14.00		
		12	QPSK	12.86	12.95	12.97	14.00		
	25	0	QPSK	12.71	12.91	12.74	14.00		
		0	QPSK	12.91	12.92	12.88	14.00		
		0	16QAM	13.09	13.24	13.11	14.00		
		25	16QAM	13.40	13.40	13.40	14.00		
		49	16QAM	13.14	13.29	13.07	14.00		
10	1	0	16QAM	11.77	11.80	11.80	13.00		
		12	16QAM	11.92	11.87	11.79	13.00		
		25	16QAM	11.72	11.80	11.79	13.00		
		0	16QAM	11.89	11.97	11.76	13.00		
		0	64QAM	11.65	11.85	11.59	13.00		
	25	0	64QAM	11.94	11.84	11.85	13.00		
		49	64QAM	11.68	11.78	11.76	13.00		
		0	64QAM	10.71	10.86	10.86	12.00		
		12	64QAM	10.65	10.85	10.83	12.00		
		0	64QAM	10.86	10.86	10.88	12.00		
5	1	0	QPSK	14.04	14.13	14.09	15.00		
		12	QPSK	13.84	13.80	13.84	15.00		
		24	QPSK	13.68	13.66	13.62	15.00		
		0	QPSK	12.81	12.98	12.96	14.00		
		7	QPSK	12.89	12.83	12.88	14.00		
	12	0	QPSK	12.72	12.89	12.79	14.00		
		0	QPSK	12.89	12.89	12.77	14.00		
		0	16QAM	13.06	13.24	13.10	14.00		
		12	16QAM	13.45	13.51	13.44	14.00		
		24	16QAM	13.25	13.52	13.05	14.00		
5	1	0	16QAM	11.85	11.97	11.97	13.00		
		7	16QAM	11.83	11.87	11.75	13.00		
		0	16QAM	11.81	11.82	11.86	13.00		
		0	16QAM	11.85	11.97	11.74	13.00		
		0	64QAM	11.77	11.84	11.89	13.00		
	12	0	64QAM	11.94	11.82	11.82	13.00		
		24	64QAM	11.58	11.75	11.65	13.00		
		0	64QAM	10.65	10.94	10.84	12.00		
		7	64QAM	10.66	10.75	10.84	12.00		
		13	64QAM	10.80	10.87	10.88	12.00		
3	1	0	QPSK	13.97	14.04	14.01	15.00		
		8	QPSK	13.76	14.01	13.97	15.00		
		14	QPSK	13.65	13.77	13.61	15.00		
		0	QPSK	12.82	12.97	12.90	14.00		
		4	QPSK	12.91	12.87	12.84	14.00		
	8	0	QPSK	12.69	12.93	12.80	14.00		
		0	QPSK	12.81	12.82	12.83	14.00		
		0	16QAM	13.11	13.19	13.07	14.00		
		0	16QAM	13.49	13.52	13.42	14.00		
		14	16QAM	13.15	13.20	13.04	14.00		
3	1	0	16QAM	11.88	12.01	11.88	13.00		
		4	16QAM	11.88	11.97	11.79	13.00		
		7	16QAM	11.82	11.82	11.85	13.00		
		0	16QAM	11.83	11.84	11.82	13.00		
		0	64QAM	11.98	11.85	11.86	13.00		
	8	0	64QAM	11.81	11.79	11.68	13.00		
		14	64QAM	11.60	11.74	11.73	13.00		
		0	64QAM	10.76	10.87	10.88	12.00		
		4	64QAM	10.70	10.86	10.77	12.00		
		7	64QAM	10.77	10.85	10.78	12.00		
1.4	1	0	QPSK	14.00	14.11	14.07	15.00		
		3	QPSK	14.07	14.08	13.94	15.00		
		8	QPSK	14.07	13.96	14.06	15.00		
		0	QPSK	14.04	14.00	14.04	15.00		
		1	QPSK	14.07	14.08	14.03	15.00		
	3	0	QPSK	14.05	14.02	14.05	15.00		
		0	QPSK	13.99	13.96	13.13	14.00		
		0	16QAM	13.21	13.37	13.14	14.00		
		0	16QAM	13.56	13.47	13.30	14.00		
		5	16QAM	13.16	13.37	13.17	14.00		
1.4	1	0	16QAM	13.21	13.24	13.35	14.00		
		1	16QAM	13.13	13.27	13.42	14.00		
		3	16QAM	13.20	13.27	13.41	14.00		
		0	16QAM	12.25	12.00	12.29	13.00		
		0	64QAM	11.66	11.81	11.84	13.00		
	3	0	64QAM	11.77	11.77	11.83	13.00		
		5	64QAM	11.57	11.68	11.58	13.00		
		0	64QAM	11.64	11.76	11.85	13.00		
		1	64QAM	11.76	11.68	11.67	13.00		
		3	64QAM	11.54	11.72	11.83	13.00		

8.3.2 LTE Band4 Output Power

LTE B4 ANT2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	
Channel				20550	20175	20550		
Frequency (MHz)				1720	1732.5	1760		
20	1	0	QPSK	15.48	15.50	15.41	15.50	
		48	QPSK	15.40	15.45	15.31	15.50	
		96	QPSK	15.25	15.37	15.34	15.50	
		0	QPSK	14.34	14.46	14.37	15.50	
		24	QPSK	14.37	14.37	14.37	15.50	
	50	0	QPSK	14.17	14.32	14.30	15.50	
		48	QPSK	14.28	14.37	14.25	15.50	
		0	16QAM	14.68	14.62	14.51	15.50	
		48	16QAM	14.67	14.65	14.63	15.50	
		96	16QAM	14.54	14.61	14.57	15.50	
20	1	0	16QAM	13.34	13.44	13.31	14.50	
		50	24	16QAM	13.30	13.38	13.23	14.50
		50	16QAM	13.29	13.37	13.23	14.50	
		100	0	16QAM	13.21	13.35	13.31	14.50
		0	64QAM	13.41	13.47	13.38	14.50	
	50	48	64QAM	13.28	13.43	13.23	14.50	
		96	64QAM	13.22	13.39	13.16	14.50	
		0	64QAM	12.40	12.48	12.25	13.50	
		24	64QAM	12.31	12.41	12.21	13.50	
		50	64QAM	12.31	12.43	12.27	13.50	
20	1	0	64QAM	12.15	12.37	12.34	13.50	
		50	0	64QAM	20055	20175	20550	
		Channel				Tune-up limit (dBm)		
		Frequency (MHz)				1717.5	1732.5	1747.5
						1767.5		
15	1	0	QPSK	15.48	15.50	15.38	15.50	
		37	QPSK	15.33	15.35	15.18	14.50	
		74	QPSK	15.15	15.35	15.22	14.50	
		0	QPSK	14.30	14.44	14.24	15.50	
		20	QPSK	14.33	14.28	14.30	15.50	
	36	39	QPSK	14.04	14.20	14.15	15.50	
		0	QPSK	14.18	14.31	14.16	15.50	
		0	16QAM	14.45	14.51	14.39	15.50	
		1	37	16QAM	14.72	14.80	14.75	15.50
		74	16QAM	14.47	14.59	14.50	15.50	
15	36	0	16QAM	13.25	13.34	13.17	14.50	
		20	16QAM	13.19	13.37	13.15	14.50	
		39	16QAM	13.20	13.29	13.12	14.50	
		0	16QAM	13.14	13.22	13.27	14.50	
		0	64QAM	13.38	13.48	13.28	14.50	
	75	37	64QAM	13.22	13.37	13.19	14.50	
		74	64QAM	13.18	13.24	13.14	14.50	
		0	64QAM	12.30	12.40	12.11	13.50	
		20	64QAM	12.28	12.39	12.11	13.50	
		39	64QAM	12.15	12.35	12.14	13.50	
15	75	0	64QAM	12.10	12.34	12.24	13.50	
		Channel				20055	20175	20550
		Frequency (MHz)				1715	1732.5	1750
						1760		
						1765		
10	1	0	QPSK	15.36	15.46	15.40	15.50	
		20	QPSK	15.28	15.43	15.20	15.50	
		48	QPSK	15.15	15.31	15.31	15.50	
		0	QPSK	14.30	14.37	14.23	15.50	
		12	QPSK	14.23	14.34	14.22	15.50	
	25	25	QPSK	14.18	14.19	14.25	15.50	
		0	QPSK	14.24	14.35	14.18	15.50	
		0	16QAM	14.55	14.51	14.36	15.50	
		1	25	16QAM	14.77	14.86	14.62	15.50
		48	16QAM	14.48	14.53	14.42	15.50	
10	25	0	16QAM	13.28	13.36	13.25	14.50	
		12	16QAM	13.21	13.28	13.17	14.50	
		25	16QAM	13.17	13.35	13.10	14.50	
		0	16QAM	13.09	13.26	13.22	14.50	
		0	64QAM	13.33	13.38	13.31	14.50	
	50	26	64QAM	13.17	13.35	13.19	14.50	
		48	64QAM	13.14	13.30	13.08	14.50	
		0	64QAM	12.34	12.38	12.21	13.50	
		12	64QAM	12.29	12.30	12.07	13.50	
		25	64QAM	12.28	12.36	12.16	13.50	
10	50	0	64QAM	12.20	12.31	12.27	13.50	
		Channel				19975	20175	20550
		Frequency (MHz)				1712.5	1732.5	1752.5
						1762.5		
						1767.5		
5	1	0	QPSK	15.37	15.41	15.31	15.50	
		12	QPSK	15.33	15.38	15.29	15.50	
		24	QPSK	15.18	15.27	15.21	15.50	
		0	QPSK	14.24	14.34	14.34	15.50	
		12	7	QPSK	14.25	14.32	14.33	15.50
	25	15	QPSK	14.06	14.27	14.16	15.50	
		0	QPSK	14.16	14.25	14.19	15.50	
		0	16QAM	14.53	14.51	14.42	15.50	
		1	12	16QAM	14.82	14.88	14.70	15.50
		24	16QAM	14.40	14.56	14.43	15.50	
5	12	0	16QAM	13.25	13.37	13.27	14.50	
		7	16QAM	13.16	13.28	13.21	14.50	
		13	16QAM	13.24	13.35	13.19	14.50	
		25	0	16QAM	13.07	13.28	13.28	14.50
		0	64QAM	13.30	13.38	13.24	14.50	
	25	12	64QAM	13.27	13.36	13.10	14.50	
		26	64QAM	13.13	13.28	13.05	14.50	
		0	64QAM	12.39	12.35	12.23	13.50	
		7	64QAM	12.20	12.30	12.12	13.50	
		13	64QAM	12.19	12.30	12.13	13.50	
5	25	0	64QAM	12.13	12.28	12.20	13.50	
		Channel				19965 <th>20175</th> <th>20550</th>	20175	20550
		Frequency (MHz)				1711.5	1732.5	1753.5
						1763.5		
						1768.5		
3	1	0	QPSK	15.37	15.50	15.34	15.50	
		8	QPSK	15.38	15.31	15.21	14.50	
		14	QPSK	15.24	15.29	15.22	15.50	
		0	QPSK	14.19	14.35	14.27	15.50	
		4	QPSK	14.30	14.31	14.24	15.50	
	8	7	QPSK	14.11	14.26	14.16	15.50	
		0	QPSK	14.17	14.22	14.11	15.50	
		0	16QAM	14.52	14.61	14.36	15.50	
		1	8	16QAM	14.75	14.80	14.70	15.50
		14	16QAM	14.40	14.46	14.29	15.50	
3	8	0	16QAM	13.28	13.33	13.19	14.50	
		4	16QAM	13.21	13.30	13.21	14.50	
		7	16QAM	13.26	13.23	13.22	14.50	
		15	0	16QAM	13.16	13.28	13.21	14.50
		0	64QAM	13.39	13.37	13.37	14.50	
	1	8	64QAM	13.16	13.28	13.14	14.50	
		14	64QAM	13.21	13.21	13.02	14.50	
		0	64QAM	12.28	12.35	12.22	13.50	
		4	64QAM	12.26	12.38	12.16	13.50	
		7	64QAM	12.25	12.35	12.24	13.50	
8	15	0	64QAM	12.09	12.35	12.24	13.50	
		Channel				19957 <th>20175</th> <th>20550</th>	20175	20550
		Frequency (MHz)				1710.7	1732.5	1754.3
						1764.3		
						1769.3		
14	1	0	QPSK	15.25	15.54	15.20	15.50	
		3	QPSK	15.35	15.46	15.44	15.50	
		5	QPSK	15.23	15.36	15.31	15.50	
		0	QPSK	15.31	15.47	15.50	15.50	
		1	QPSK	15.35	15.43	15.40	15.50	
	3	3	QPSK	15.31	15.52	15.42	15.50	
		0	QPSK	14.34	14.36	14.39	15.50	
		0	16QAM	14.35	14.68	14.39	15.50	
		3	16QAM	14.48	14.75	14.42	15.50	
		0	16QAM	14.38	14.67	14.40	15.50	
14	1	0	16QAM	14.28	14.49	14.50	15.50	
		3	1	16QAM	14.37	14.50	14.61	15.50
		3	16QAM	14.37	14.51	14.57	15.50	
		5	0	16QAM	13.46	13.25	13.53	14.50
		0	64QAM	13.38	13.52	13.39	14.50	
	1	3	64QAM	13.52	13.55	13.35	14.50	
		5	64QAM	13.17	13.41	13.44	14.50	
		0	64QAM	13.28	13.43	13.50	14.50	
		3	1	64QAM	13.29	13.40	13.40	14.50
		3	64QAM	13.34	13.24	13.27	14.50	
8	6	0	64QAM	12.24	12.52	12.29	13.50	

8.3.3 LTE Band5 Output Power

LTE B5 ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				20450	20525	20600	Tune-up limit (dBm)		
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)		
10	1	0	QPSK	19.67	19.74	19.71	20.50		
		25	QPSK	19.52	19.63	19.59	20.50		
		49	QPSK	19.32	19.47	19.45	20.50		
	25	0	QPSK	18.58	18.65	18.50	19.50		
		12	QPSK	18.37	18.51	18.46	19.50		
		25	QPSK	18.43	18.46	18.36	19.50		
	50	0	QPSK	18.39	18.50	18.47	19.50		
		0	16QAM	18.89	18.90	18.85	19.50		
		25	16QAM	18.86	18.93	18.81	19.50		
10	1	49	16QAM	18.80	18.83	18.74	19.50		
		0	16QAM	17.49	17.61	17.53	18.50		
		12	16QAM	17.52	17.66	17.63	18.50		
	25	25	16QAM	17.57	17.58	17.45	18.50		
		0	16QAM	17.49	17.61	17.60	18.50		
		0	64QAM	17.63	17.64	17.57	18.50		
	1	25	64QAM	17.46	17.61	17.46	18.50		
		49	64QAM	17.52	17.57	17.55	18.50		
		0	64QAM	16.61	16.63	16.56	17.50		
10	25	12	64QAM	16.56	16.60	16.51	17.50		
		25	64QAM	16.42	16.56	16.45	17.50		
		0	64QAM	16.39	16.52	16.41	17.50		
	50	0	64QAM	17.63	17.64	17.57	18.50		
		25	64QAM	17.46	17.61	17.46	18.50		
		49	64QAM	17.52	17.57	17.55	18.50		
	1	0	64QAM	16.61	16.63	16.56	17.50		
		12	64QAM	16.56	16.60	16.51	17.50		
		25	64QAM	16.42	16.56	16.45	17.50		
50	0	64QAM	16.39	16.52	16.41	17.50			
	Channel				20425	20525	20625	Tune-up limit (dBm)	
	Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	
5	1	0	QPSK	19.60	19.73	19.60	20.50		
		12	QPSK	19.44	19.48	19.46	20.50		
		24	QPSK	19.21	19.39	19.39	20.50		
	12	0	QPSK	18.49	18.58	18.35	19.50		
		7	QPSK	18.31	18.44	18.35	19.50		
		13	QPSK	18.39	18.39	18.22	19.50		
	25	0	QPSK	18.26	18.49	18.41	19.50		
		0	16QAM	18.80	18.81	18.74	19.50		
		12	16QAM	18.81	18.85	18.77	19.50		
5	1	24	16QAM	18.75	18.68	18.65	19.50		
		0	16QAM	17.34	17.60	17.43	18.50		
		7	16QAM	17.41	17.59	17.54	18.50		
	12	13	16QAM	17.56	17.45	17.32	18.50		
		0	16QAM	17.46	17.54	17.58	18.50		
		0	64QAM	17.50	17.51	17.43	18.50		
	1	12	64QAM	17.34	17.47	17.39	18.50		
		24	64QAM	17.47	17.49	17.52	18.50		
		0	64QAM	16.53	16.50	16.55	17.50		
5	12	7	64QAM	16.41	16.54	16.37	17.50		
		13	64QAM	16.33	16.46	16.43	17.50		
		0	64QAM	16.35	16.44	16.30	17.50		
	25	0	64QAM	16.35	16.44	16.30	17.50		
		Channel				20415	20525	20635	Tune-up limit (dBm)
		Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)
	3	1	0	QPSK	19.57	19.60	19.57	20.50	
			8	QPSK	19.50	19.51	19.49	20.50	
			14	QPSK	19.18	19.38	19.43	20.50	
8		0	QPSK	18.56	18.50	18.48	19.50		
		4	QPSK	18.35	18.40	18.36	19.50		
		7	QPSK	18.36	18.44	18.35	19.50		
15		0	QPSK	18.27	18.38	18.41	19.50		
		0	16QAM	18.80	18.78	18.70	19.50		
		8	16QAM	18.77	18.79	18.73	19.50		
3	1	14	16QAM	18.68	18.81	18.66	19.50		
		0	16QAM	17.42	17.60	17.44	18.50		
		4	16QAM	17.40	17.54	17.53	18.50		
	8	7	16QAM	17.52	17.44	17.39	18.50		
		0	16QAM	17.43	17.58	17.47	18.50		
		0	64QAM	17.48	17.61	17.55	18.50		
	1	8	64QAM	17.42	17.59	17.37	18.50		
		14	64QAM	17.51	17.56	17.40	18.50		
		0	64QAM	16.49	16.61	16.49	17.50		
3	8	4	64QAM	16.41	16.51	16.45	17.50		
		7	64QAM	16.30	16.46	16.36	17.50		
		0	64QAM	16.32	16.46	16.34	17.50		
	15	0	64QAM	16.32	16.46	16.34	17.50		
		Channel				20407	20525	20643	Tune-up limit (dBm)
		Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)
	1.4	1	0	QPSK	19.53	19.64	19.38	20.50	
			3	QPSK	19.60	19.58	19.51	20.50	
			5	QPSK	19.51	19.48	19.38	20.50	
3		0	QPSK	19.54	19.61	19.56	20.50		
		1	QPSK	19.46	19.56	19.50	20.50		
		3	QPSK	19.55	19.58	19.60	20.50		
6		0	QPSK	18.50	18.48	18.46	19.50		
		0	16QAM	18.70	18.88	18.53	19.50		
		3	16QAM	18.85	19.01	18.60	19.50		
1.4	1	5	16QAM	18.75	18.91	18.52	19.50		
		0	16QAM	18.75	18.78	18.72	19.50		
		1	16QAM	18.71	18.78	18.80	19.50		
	3	3	16QAM	18.73	18.80	18.79	19.50		
		0	16QAM	17.76	17.50	17.67	18.50		
		0	64QAM	17.66	17.71	17.70	18.50		
	1	3	64QAM	17.59	17.70	17.79	18.50		
		5	64QAM	17.67	17.71	17.70	18.50		
		0	64QAM	17.69	17.75	17.62	18.50		
3	1	64QAM	17.63	17.63	17.71	18.50			
	3	64QAM	17.62	17.78	17.65	18.50			
	0	64QAM	16.70	16.72	16.70	17.50			

8.3.3 LTE Band5 Output Power

LTE B5 ANT2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				20450	20525	20600	Tune-up limit (dBm)		
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)		
10	1	0	QPSK	19.80	19.99	19.71	21.00		
		25	QPSK	19.92	19.94	19.84	21.00		
		49	QPSK	19.75	19.80	19.77	21.00		
	25	0	QPSK	18.84	18.86	18.85	20.00		
		12	QPSK	18.85	18.81	18.84	20.00		
		25	QPSK	18.91	18.78	18.77	20.00		
	50	0	QPSK	18.91	18.85	18.86	20.00		
		0	16QAM	18.80	19.21	18.82	20.00		
		25	16QAM	18.93	19.31	18.97	20.00		
10	1	25	16QAM	18.93	19.31	18.97	20.00		
		49	16QAM	18.79	19.14	18.81	20.00		
		0	16QAM	18.01	18.01	18.04	19.00		
	25	12	16QAM	18.05	17.93	17.99	19.00		
		25	16QAM	18.05	17.90	17.89	19.00		
		50	0	16QAM	18.01	18.01	17.92	19.00	
	10	1	0	64QAM	17.95	18.00	18.00	19.00	
			25	64QAM	17.93	17.80	17.84	19.00	
			49	64QAM	18.01	17.80	17.86	19.00	
25		0	64QAM	17.00	17.00	16.93	18.00		
		12	64QAM	16.95	16.78	16.90	18.00		
		25	64QAM	16.91	16.88	16.88	18.00		
50		0	64QAM	16.87	16.97	16.77	18.00		
		Channel				20425	20525	20625	Tune-up limit (dBm)
		Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)
5	1	0	QPSK	19.71	19.92	19.59	21.00		
		12	QPSK	19.84	19.79	19.73	21.00		
		24	QPSK	19.70	19.77	19.71	21.00		
	12	0	QPSK	18.73	18.82	18.72	20.00		
		7	QPSK	18.71	18.80	18.78	20.00		
		13	QPSK	18.77	18.69	18.73	20.00		
	25	0	QPSK	18.77	18.74	18.78	20.00		
		0	16QAM	18.73	19.17	18.81	20.00		
		12	16QAM	18.85	19.23	18.93	20.00		
5	1	24	16QAM	18.66	19.09	18.79	20.00		
		0	16QAM	17.89	17.97	17.98	19.00		
		7	16QAM	17.91	17.83	17.67	19.00		
	12	13	16QAM	17.90	17.76	17.85	19.00		
		0	16QAM	17.98	17.95	17.85	19.00		
		25	0	64QAM	17.90	17.97	17.98	19.00	
	5	1	0	64QAM	17.82	17.76	17.75	19.00	
			24	64QAM	17.94	17.79	17.73	19.00	
			0	64QAM	16.96	16.88	16.81	18.00	
12		7	64QAM	16.87	16.73	16.84	18.00		
		13	64QAM	16.81	16.75	16.82	18.00		
		25	0	64QAM	16.78	16.83	16.63	18.00	
Channel				20415	20525	20635	Tune-up limit (dBm)		
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)		
3		1	0	QPSK	19.67	19.96	19.68	21.00	
	8		QPSK	19.81	19.90	19.76	21.00		
	14		QPSK	19.73	19.66	19.74	21.00		
	8	0	QPSK	18.77	18.79	18.77	20.00		
		4	QPSK	18.83	18.70	18.80	20.00		
		7	QPSK	18.88	18.76	18.65	20.00		
	15	0	QPSK	18.83	18.75	18.79	20.00		
		0	16QAM	18.66	19.13	18.67	20.00		
		8	16QAM	18.82	19.27	18.90	20.00		
3	1	14	16QAM	18.73	19.06	18.72	20.00		
		0	16QAM	17.99	17.97	17.97	19.00		
		4	16QAM	18.00	17.90	17.95	19.00		
	8	7	16QAM	17.91	17.87	17.63	19.00		
		15	0	16QAM	17.88	17.95	17.82	19.00	
		0	64QAM	17.87	17.92	17.88	19.00		
	3	1	8	64QAM	17.83	17.79	17.80	19.00	
			14	64QAM	17.99	17.69	17.82	19.00	
			0	64QAM	16.92	16.94	16.90	18.00	
8		4	64QAM	16.92	16.63	16.76	18.00		
		7	64QAM	16.83	16.82	16.87	18.00		
		15	0	64QAM	16.74	16.82	16.71	18.00	
Channel				20407	20525	20643	Tune-up limit (dBm)		
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)		
1.4		1	0	QPSK	19.82	19.95	19.72	21.00	
	3		QPSK	19.92	19.93	19.84	21.00		
	5		QPSK	19.83	19.80	19.69	21.00		
	3	0	QPSK	19.94	19.91	19.88	21.00		
		1	QPSK	19.86	19.87	19.93	21.00		
		3	QPSK	19.87	19.90	19.88	21.00		
	6	0	QPSK	18.83	18.82	18.79	20.00		
		0	16QAM	19.02	19.18	18.82	20.00		
		3	16QAM	19.12	19.28	18.91	20.00		
1.4	1	5	16QAM	19.03	19.20	18.83	20.00		
		0	16QAM	19.02	19.10	19.05	20.00		
		1	16QAM	19.07	19.17	19.17	20.00		
	3	3	16QAM	19.03	19.15	19.09	20.00		
		0	16QAM	18.11	17.80	18.01	19.00		
		0	64QAM	17.88	18.08	17.76	19.00		
	1.4	1	3	64QAM	17.94	18.02	17.90	19.00	
			5	64QAM	18.00	18.16	17.68	19.00	
			0	64QAM	17.95	18.01	18.03	19.00	
3		1	64QAM	18.01	18.13	18.15	19.00		
		3	64QAM	18.00	18.06	18.04	19.00		
		6	0	64QAM	17.01	17.12	16.79	18.00	

8.3.4 LTE Band7 Output Power

LTE B7 ANT1									
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	15.01	15.15	15.04	16.00		
		49	QPSK	14.91	15.06	15.05	16.00		
		99	QPSK	14.95	14.98	14.89	16.00		
	50	0	QPSK	13.95	14.09	14.07	15.00		
		24	QPSK	13.89	14.03	13.99	15.00		
		50	QPSK	13.90	14.01	13.99	15.00		
20	100	0	QPSK	13.98	14.04	13.92	15.00		
		0	16QAM	14.35	14.46	14.43	15.00		
		49	16QAM	14.48	14.51	14.46	15.00		
	50	99	16QAM	14.35	14.43	14.40	15.00		
		0	16QAM	13.11	13.19	13.12	14.00		
		24	16QAM	13.11	13.14	13.11	14.00		
20	100	50	16QAM	12.96	13.11	13.09	14.00		
		0	16QAM	13.11	13.15	13.06	14.00		
		0	64QAM	13.09	13.20	13.14	14.00		
	1	49	64QAM	13.03	13.13	13.05	14.00		
		99	64QAM	13.03	13.10	12.97	14.00		
		0	64QAM	12.03	12.08	12.06	13.00		
20	50	24	64QAM	11.96	12.02	11.97	13.00		
		50	64QAM	11.96	11.98	11.93	13.00		
		100	0	64QAM	11.89	11.99	11.98	13.00	
	Channel				20825	21100	21375	Tune-up power(dBm)	
	Frequency (MHz)				2507.5	2535	2562.5		
	15	1	0	QPSK	14.99	15.03	14.96	16.00	
37			QPSK	14.84	15.01	14.90	16.00		
74			QPSK	14.92	14.87	14.81	16.00		
36		0	QPSK	13.88	14.08	14.04	15.00		
		20	QPSK	13.81	13.97	13.94	15.00		
		39	QPSK	13.83	13.92	13.85	15.00		
15	75	0	QPSK	13.84	13.96	13.88	15.00		
		0	16QAM	14.28	14.41	14.37	15.00		
		37	16QAM	14.47	14.47	14.40	15.00		
	1	74	16QAM	14.27	14.41	14.35	15.00		
		0	16QAM	13.06	13.11	12.98	14.00		
		20	16QAM	12.96	13.11	13.08	14.00		
15	36	39	16QAM	12.81	13.05	13.04	14.00		
		0	16QAM	12.98	13.13	12.96	14.00		
		0	64QAM	12.98	13.07	13.06	14.00		
	1	37	64QAM	12.91	12.98	13.00	14.00		
		74	64QAM	12.99	12.97	12.93	14.00		
		0	64QAM	12.00	11.99	12.03	13.00		
15	36	20	64QAM	11.91	11.91	11.91	13.00		
		39	64QAM	11.95	11.92	11.80	13.00		
		0	64QAM	11.84	11.94	11.95	13.00		
	75	0	64QAM	11.84	11.94	11.95	13.00		
		Channel				20800	21100	21400	Tune-up power(dBm)
		Frequency (MHz)				2505	2535	2565	
10		1	0	QPSK	14.91	15.08	14.91	16.00	
			25	QPSK	14.90	15.02	15.04	16.00	
	49		QPSK	14.80	14.84	14.84	16.00		
	25	0	QPSK	13.92	13.99	13.97	15.00		
		12	QPSK	13.78	13.96	13.90	15.00		
		25	QPSK	13.77	13.91	13.93	15.00		
10	50	0	QPSK	13.97	13.90	13.90	15.00		
		0	16QAM	14.31	14.33	14.34	15.00		
		25	16QAM	14.42	14.45	14.38	15.00		
	1	49	16QAM	14.23	14.31	14.36	15.00		
		0	16QAM	13.03	13.17	13.02	14.00		
		12	16QAM	13.03	13.09	13.10	14.00		
10	25	25	16QAM	12.88	13.06	13.00	14.00		
		0	16QAM	12.98	13.09	12.94	14.00		
		0	64QAM	13.07	13.13	13.05	14.00		
	1	25	64QAM	12.90	13.06	12.95	14.00		
		49	64QAM	12.89	13.01	12.89	14.00		
		0	64QAM	12.00	12.02	12.00	13.00		
10	25	12	64QAM	11.92	11.89	11.92	13.00		
		25	64QAM	11.81	11.87	11.89	13.00		
		0	64QAM	11.80	11.96	11.91	13.00		
	Channel				20775	21100	21425	Tune-up power(dBm)	
	Frequency (MHz)				2502.5	2535	2567.5		
	5	1	0	QPSK	14.97	15.04	14.90	16.00	
12			QPSK	14.79	15.02	14.91	16.00		
24			QPSK	14.85	14.92	14.76	16.00		
12		0	QPSK	13.90	13.99	14.04	15.00		
		7	QPSK	13.79	13.93	13.97	15.00		
		13	QPSK	13.75	13.88	13.95	15.00		
5	25	0	QPSK	13.86	13.93	13.91	15.00		
		0	16QAM	14.23	14.44	14.30	15.00		
		12	16QAM	14.41	14.38	14.36	15.00		
	1	24	16QAM	14.32	14.37	14.38	15.00		
		0	16QAM	12.98	13.06	13.02	14.00		
		7	16QAM	13.05	13.01	13.00	14.00		
5	25	13	16QAM	12.92	13.05	12.96	14.00		
		0	16QAM	13.04	13.11	12.98	14.00		
		0	64QAM	12.95	13.06	13.08	14.00		
	1	12	64QAM	12.91	13.11	12.96	14.00		
		24	64QAM	13.02	13.00	12.82	14.00		
		0	64QAM	11.88	11.93	11.94	13.00		
5	12	7	64QAM	11.85	11.87	11.85	13.00		
		13	64QAM	11.91	11.86	11.78	13.00		
		0	64QAM	11.86	11.89	11.95	13.00		
	25	0	64QAM	11.86	11.89	11.95	13.00		
		0	64QAM	11.86	11.89	11.95	13.00		
		0	64QAM	11.86	11.89	11.95	13.00		

8.3.4 LTE Band7 Output Power

LTE B7 ANT2								
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	15.46	15.55	15.54	16.50	
		49	QPSK	15.33	15.47	15.45	16.50	
		99	QPSK	15.00	15.10	15.05	16.50	
	50	0	QPSK	14.43	14.49	14.39	15.50	
		24	QPSK	14.43	14.46	14.45	15.50	
		50	QPSK	14.31	14.44	14.31	15.50	
20	100	0	QPSK	14.29	14.44	14.36	15.50	
		0	16QAM	14.65	14.73	14.64	15.50	
		49	16QAM	14.94	15.02	14.88	15.50	
	50	99	16QAM	14.68	14.70	14.63	15.50	
		0	16QAM	13.37	13.46	13.42	14.50	
		24	16QAM	13.31	13.46	13.34	14.50	
20	100	50	16QAM	13.43	13.45	13.43	14.50	
		0	16QAM	13.30	13.45	13.37	14.50	
		0	64QAM	13.30	13.35	13.29	14.50	
	1	49	64QAM	13.33	13.41	13.30	14.50	
		99	64QAM	13.24	13.31	13.28	14.50	
		0	64QAM	12.26	12.39	12.37	13.50	
20	50	24	64QAM	12.38	12.41	12.34	13.50	
		50	64QAM	12.24	12.37	12.29	13.50	
		100	0	64QAM	12.30	12.43	12.36	13.50
	Channel				20825	21100	21375	Tune-up power(dBm)
	Frequency (MHz)				2507.5	2535	2562.5	
	15	1	0	QPSK	15.36	15.53	15.44	16.50
37			QPSK	15.27	15.33	15.32	16.50	
74			QPSK	14.93	15.03	15.00	16.50	
36		0	QPSK	14.38	14.43	14.35	15.50	
		20	QPSK	14.36	14.41	14.42	15.50	
		39	QPSK	14.27	14.29	14.28	15.50	
15	75	0	QPSK	14.24	14.30	14.22	15.50	
		0	16QAM	14.51	14.59	14.57	15.50	
		37	16QAM	14.86	14.96	14.80	15.50	
	36	74	16QAM	14.67	14.63	14.49	15.50	
		0	16QAM	13.22	13.35	13.41	14.50	
		20	16QAM	13.27	13.44	13.23	14.50	
15	75	39	16QAM	13.28	13.32	13.34	14.50	
		0	16QAM	13.17	13.36	13.36	14.50	
		0	64QAM	13.19	13.22	13.18	14.50	
	1	37	64QAM	13.26	13.28	13.18	14.50	
		74	64QAM	13.14	13.24	13.16	14.50	
		0	64QAM	12.20	12.32	12.30	13.50	
15	36	20	64QAM	12.26	12.39	12.20	13.50	
		39	64QAM	12.23	12.30	12.18	13.50	
		0	64QAM	12.29	12.41	12.23	13.50	
	Channel				20800	21100	21400	Tune-up power(dBm)
	Frequency (MHz)				2505	2535	2565	
	10	1	0	QPSK	15.45	15.46	15.41	16.50
25			QPSK	15.19	15.36	15.42	16.50	
49			QPSK	14.95	14.95	14.98	16.50	
25		0	QPSK	14.29	14.44	14.27	15.50	
		12	QPSK	14.28	14.42	14.34	15.50	
		25	QPSK	14.29	14.38	14.23	15.50	
10	50	0	QPSK	14.18	14.37	14.34	15.50	
		0	16QAM	14.61	14.60	14.49	15.50	
		25	16QAM	14.88	14.88	14.79	15.50	
	1	49	16QAM	14.57	14.60	14.49	15.50	
		0	16QAM	13.33	13.45	13.41	14.50	
		12	16QAM	13.30	13.36	13.29	14.50	
10	25	25	16QAM	13.42	13.31	13.28	14.50	
		0	16QAM	13.27	13.33	13.25	14.50	
		0	64QAM	13.15	13.29	13.18	14.50	
	1	25	64QAM	13.25	13.37	13.27	14.50	
		49	64QAM	13.18	13.26	13.21	14.50	
		0	64QAM	12.14	12.27	12.30	13.50	
10	25	12	64QAM	12.33	12.33	12.27	13.50	
		25	64QAM	12.10	12.34	12.16	13.50	
		0	64QAM	12.28	12.38	12.30	13.50	
	Channel				20775	21100	21425	Tune-up power(dBm)
	Frequency (MHz)				2502.5	2535	2567.5	
	5	1	0	QPSK	15.32	15.50	15.48	16.50
12			QPSK	15.31	15.32	15.31	16.50	
24			QPSK	14.98	14.99	14.90	16.50	
12		0	QPSK	14.30	14.41	14.35	15.50	
		7	QPSK	14.35	14.40	14.34	15.50	
		13	QPSK	14.16	14.39	14.27	15.50	
5	25	0	QPSK	14.22	14.41	14.24	15.50	
		0	16QAM	14.50	14.68	14.52	15.50	
		12	16QAM	14.90	14.93	14.84	15.50	
	1	24	16QAM	14.56	14.65	14.48	15.50	
		0	16QAM	13.24	13.38	13.37	14.50	
		7	16QAM	13.30	13.32	13.32	14.50	
5	25	13	16QAM	13.36	13.42	13.37	14.50	
		0	16QAM	13.20	13.30	13.22	14.50	
		0	64QAM	13.20	13.33	13.25	14.50	
	1	12	64QAM	13.22	13.31	13.28	14.50	
		24	64QAM	13.18	13.26	13.16	14.50	
		0	64QAM	12.21	12.31	12.34	13.50	
5	12	7	64QAM	12.31	12.29	12.32	13.50	
		13	64QAM	12.22	12.30	12.17	13.50	
		0	64QAM	12.19	12.30	12.29	13.50	
	25	0	64QAM	12.19	12.30	12.29	13.50	
		0	64QAM	12.19	12.30	12.29	13.50	
		0	64QAM	12.19	12.30	12.29	13.50	

8.3.5 LTE Band38 Output Power

LTE B38 ANT1							
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	16.65	16.66	16.65	17.50
		49	QPSK	16.52	16.54	16.44	17.50
		99	QPSK	16.31	16.41	16.33	17.50
	50	0	QPSK	15.38	15.52	15.48	16.50
		24	QPSK	15.38	15.43	15.31	16.50
		50	QPSK	15.42	15.43	15.32	16.50
	100	0	QPSK	15.45	15.50	15.43	16.50
20	1	0	16QAM	15.35	15.41	15.39	16.50
		49	16QAM	15.65	15.66	15.52	16.50
		99	16QAM	15.24	15.36	15.25	16.50
	50	0	16QAM	14.57	14.60	14.57	15.50
		24	16QAM	14.40	14.51	14.38	15.50
		50	16QAM	14.40	14.52	14.45	15.50
	100	0	16QAM	14.46	14.56	14.55	15.50
20	1	0	64QAM	14.42	14.45	14.41	15.50
		49	64QAM	14.42	14.51	14.49	15.50
		99	64QAM	14.39	14.45	14.42	15.50
	50	0	64QAM	13.30	13.45	13.32	14.50
		24	64QAM	13.37	13.41	13.28	14.50
		50	64QAM	13.34	13.40	13.34	14.50
	100	0	64QAM	13.24	13.39	13.30	14.50
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	1	0	QPSK	16.60	16.61	16.56	17.50
		37	QPSK	16.42	16.49	16.38	17.50
		74	QPSK	16.17	16.32	16.26	17.50
	36	0	QPSK	15.34	15.44	15.47	16.50
		20	QPSK	15.37	15.30	15.16	16.50
		39	QPSK	15.30	15.42	15.28	16.50
	75	0	QPSK	15.35	15.48	15.37	16.50
15	1	0	16QAM	15.23	15.40	15.31	16.50
		37	16QAM	15.50	15.63	15.38	16.50
		74	16QAM	15.10	15.22	15.13	16.50
	36	0	16QAM	14.47	14.51	14.50	15.50
		20	16QAM	14.27	14.39	14.28	15.50
		39	16QAM	14.28	14.49	14.37	15.50
	75	0	16QAM	14.45	14.45	14.54	15.50
15	1	0	64QAM	14.40	14.43	14.30	15.50
		37	64QAM	14.39	14.42	14.39	15.50
		74	64QAM	14.25	14.40	14.35	15.50
	36	0	64QAM	13.21	13.43	13.30	14.50
		20	64QAM	13.22	13.29	13.15	14.50
		39	64QAM	13.31	13.31	13.21	14.50
	75	0	64QAM	13.17	13.36	13.21	14.50
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	1	0	QPSK	16.56	16.63	16.53	17.50
		25	QPSK	16.48	16.44	16.35	17.50
		49	QPSK	16.18	16.26	16.25	17.50
	25	0	QPSK	15.29	15.46	15.38	16.50
		12	QPSK	15.29	15.33	15.18	16.50
		25	QPSK	15.38	15.39	15.25	16.50
	50	0	QPSK	15.30	15.48	15.35	16.50
10	1	0	16QAM	15.20	15.29	15.37	16.50
		25	16QAM	15.55	15.62	15.42	16.50
		49	16QAM	15.23	15.32	15.18	16.50
	25	0	16QAM	14.48	14.50	14.44	15.50
		12	16QAM	14.39	14.38	14.37	15.50
		25	16QAM	14.31	14.42	14.32	15.50
	50	0	16QAM	14.33	14.54	14.49	15.50
10	1	0	64QAM	14.37	14.42	14.32	15.50
		25	64QAM	14.36	14.50	14.37	15.50
		49	64QAM	14.38	14.31	14.33	15.50
	25	0	64QAM	13.16	13.36	13.23	14.50
		12	64QAM	13.25	13.31	13.23	14.50
		25	64QAM	13.32	13.34	13.23	14.50
	50	0	64QAM	13.12	13.30	13.17	14.50
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	1	0	QPSK	16.51	16.65	16.64	17.50
		12	QPSK	16.48	16.51	16.38	17.50
		24	QPSK	16.21	16.33	16.18	17.50
	12	0	QPSK	15.34	15.48	15.38	16.50
		7	QPSK	15.25	15.34	15.18	16.50
		13	QPSK	15.32	15.35	15.19	16.50
	25	0	QPSK	15.35	15.44	15.34	16.50
5	1	0	16QAM	15.25	15.40	15.34	16.50
		12	16QAM	15.50	15.55	15.40	16.50
		24	16QAM	15.21	15.26	15.20	16.50
	12	0	16QAM	14.56	14.53	14.55	15.50
		7	16QAM	14.27	14.42	14.27	15.50
		13	16QAM	14.31	14.43	14.37	15.50
	25	0	16QAM	14.34	14.44	14.50	15.50
5	1	0	64QAM	14.30	14.36	14.36	15.50
		12	64QAM	14.31	14.37	14.42	15.50
		24	64QAM	14.31	14.34	14.41	15.50
	12	0	64QAM	13.23	13.42	13.27	14.50
		7	64QAM	13.36	13.39	13.15	14.50
		13	64QAM	13.33	13.32	13.32	14.50
	25	0	64QAM	13.22	13.35	13.21	14.50

8.3.5 LTE Band38 Output Power

LTE B38 ANT2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up lim (dBm)	
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	1	0	QPSK	16.42	17.18	16.73	18.00	
		49	QPSK	17.02	17.05	17.08	18.00	
		99	QPSK	16.75	17.10	16.74	18.00	
	50	0	QPSK	16.05	16.11	15.96	17.00	
		24	QPSK	15.93	15.96	15.88	17.00	
		50	QPSK	15.89	16.00	15.96	17.00	
20	100	0	QPSK	15.97	15.98	15.96	17.00	
		0	16QAM	16.04	15.89	16.07	17.00	
		49	16QAM	16.28	16.20	16.42	17.00	
	50	99	16QAM	16.00	15.90	16.11	17.00	
		0	16QAM	15.11	15.12	15.07	16.00	
		24	16QAM	14.99	15.04	15.03	16.00	
20	100	50	16QAM	14.93	14.97	15.10	16.00	
		0	16QAM	15.06	15.05	15.05	16.00	
		0	64QAM	14.97	15.03	15.00	16.00	
	1	49	64QAM	14.87	14.99	14.98	16.00	
		99	64QAM	14.82	14.84	15.04	16.00	
		0	64QAM	13.96	13.99	14.05	15.00	
20	50	24	64QAM	13.90	14.00	13.98	15.00	
		50	64QAM	13.92	13.89	14.09	15.00	
		0	64QAM	14.05	13.93	13.97	15.00	
	100	0	64QAM	14.05	13.93	13.97	15.00	
	Channel				37825	38000	38175	Tune-up lim (dBm)
	Frequency (MHz)				2577.5	2595	2612.5	
15	1	0	QPSK	16.34	17.11	16.70	18.00	
		37	QPSK	16.99	16.91	16.93	18.00	
		74	QPSK	16.72	16.99	16.61	18.00	
	36	0	QPSK	16.01	16.09	15.91	17.00	
		20	QPSK	15.90	15.87	15.74	17.00	
		39	QPSK	15.80	15.85	15.86	17.00	
15	75	0	QPSK	15.92	15.89	15.86	17.00	
		0	16QAM	15.95	15.76	15.95	17.00	
		37	16QAM	16.22	16.09	16.36	17.00	
	36	74	16QAM	15.98	15.85	16.02	17.00	
		0	16QAM	14.99	15.11	14.97	16.00	
		20	16QAM	14.96	15.03	14.94	16.00	
15	75	39	16QAM	14.91	14.85	15.07	16.00	
		0	16QAM	14.91	14.98	14.97	16.00	
		0	64QAM	14.88	14.94	14.98	16.00	
	1	37	64QAM	14.81	14.95	14.92	16.00	
		74	64QAM	14.77	14.74	14.97	16.00	
		0	64QAM	13.90	13.91	14.01	15.00	
15	36	20	64QAM	13.77	13.94	13.92	15.00	
		39	64QAM	13.78	13.77	14.04	15.00	
		0	64QAM	13.94	13.84	13.84	15.00	
	Channel				37800	38000	38200	Tune-up lim (dBm)
	Frequency (MHz)				2575	2595	2615	
	10	1	0	QPSK	16.37	17.17	16.64	18.00
25			QPSK	16.90	16.98	17.03	18.00	
49			QPSK	16.66	17.09	16.73	18.00	
25		0	QPSK	16.03	16.06	15.82	17.00	
		12	QPSK	15.84	15.89	15.87	17.00	
		25	QPSK	15.87	15.99	15.84	17.00	
10	50	0	QPSK	15.93	15.86	15.88	17.00	
		0	16QAM	15.92	15.83	16.06	17.00	
		25	16QAM	16.19	16.08	16.33	17.00	
	1	49	16QAM	15.92	15.79	15.98	17.00	
		0	16QAM	15.00	15.05	14.95	16.00	
		12	16QAM	14.94	14.96	14.89	16.00	
10	25	25	16QAM	14.84	14.83	15.02	16.00	
		0	16QAM	14.95	15.00	15.04	16.00	
		0	64QAM	14.95	14.93	14.88	16.00	
	1	25	64QAM	14.80	14.89	14.88	16.00	
		49	64QAM	14.70	14.77	15.03	16.00	
		0	64QAM	13.82	13.91	13.95	15.00	
10	25	12	64QAM	13.88	13.85	13.91	15.00	
		25	64QAM	13.91	13.74	14.00	15.00	
		0	64QAM	13.90	13.78	13.89	15.00	
	Channel				37775	38000	38225	Tune-up lim (dBm)
	Frequency (MHz)				2572.5	2595	2617.5	
	5	1	0	QPSK	16.30	17.12	16.69	18.00
12			QPSK	16.92	16.98	16.98	18.00	
24			QPSK	16.62	17.03	16.62	18.00	
12		0	QPSK	15.91	16.02	15.88	17.00	
		7	QPSK	15.90	15.89	15.77	17.00	
		13	QPSK	15.80	15.90	15.82	17.00	
5	25	0	QPSK	15.93	15.94	15.93	17.00	
		0	16QAM	15.95	15.83	16.04	17.00	
		12	16QAM	16.25	16.17	16.36	17.00	
	1	24	16QAM	15.91	15.77	16.00	17.00	
		0	16QAM	14.99	15.04	15.06	16.00	
		7	16QAM	14.84	14.97	14.98	16.00	
5	12	13	16QAM	14.82	14.84	15.01	16.00	
		0	16QAM	14.95	14.90	14.94	16.00	
		0	64QAM	14.96	14.90	14.98	16.00	
	1	12	64QAM	14.73	14.89	14.95	16.00	
		24	64QAM	14.80	14.70	14.89	16.00	
		0	64QAM	13.90	13.96	13.94	15.00	
5	12	7	64QAM	13.87	13.90	13.85	15.00	
		13	64QAM	13.86	13.82	13.94	15.00	
		0	64QAM	13.86	13.90	13.92	15.00	

8.3.6 LTE Band41 Output Power

LTE B41 120M ANT1									
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				40140	40390	40640	40890	41140	
Frequency (MHz)				2545	2570	2595	2620	2645	
20	1	0	QPSK	16.31	16.33	16.48	16.24	16.24	17.50
		49	QPSK	16.44	16.45	16.36	16.26	16.30	17.50
		99	QPSK	16.04	16.13	16.03	15.95	16.01	17.50
	50	0	QPSK	15.27	15.35	15.41	15.27	15.21	16.50
		24	QPSK	15.33	15.38	15.27	15.17	15.36	16.50
		50	QPSK	15.43	15.49	15.28	15.04	15.34	16.50
	100	0	QPSK	15.34	15.39	15.31	15.18	15.30	16.50
		0	16QAM	15.45	15.48	15.21	15.34	15.40	16.50
20	1	49	16QAM	15.65	15.77	15.50	15.64	15.76	16.50
		99	16QAM	15.30	15.41	15.22	15.32	15.39	16.50
		0	16QAM	14.36	14.39	14.41	14.38	14.37	15.50
	50	24	16QAM	14.30	14.45	14.37	14.28	14.43	15.50
		50	16QAM	14.39	14.53	14.36	14.11	14.49	15.50
		0	16QAM	14.42	14.49	14.37	14.20	14.46	15.50
	100	0	64QAM	14.30	14.24	14.30	14.28	14.39	15.50
		49	64QAM	14.20	14.38	14.28	14.34	14.26	15.50
20	1	99	64QAM	14.29	14.52	14.32	14.52	14.34	15.50
		0	64QAM	13.23	13.34	13.32	13.38	13.38	14.50
		24	64QAM	13.24	13.38	13.25	13.42	13.31	14.50
	50	50	64QAM	13.34	13.41	13.36	13.52	13.23	14.50
		0	64QAM	13.37	13.38	13.29	13.47	13.30	14.50
		0	64QAM	14.15	14.28	14.15	14.28	14.15	15.50
		49	64QAM	14.20	14.38	14.28	14.34	14.26	15.50
		99	64QAM	14.29	14.52	14.32	14.52	14.34	15.50
15	1	0	QPSK	16.32	16.25	16.48	16.23	16.25	17.50
		37	QPSK	16.43	16.40	16.30	16.25	16.34	17.50
		74	QPSK	16.06	16.03	15.88	15.89	16.02	17.50
	36	0	QPSK	15.30	15.24	15.35	15.22	15.27	16.50
		20	QPSK	15.36	15.36	15.25	15.10	15.33	16.50
		39	QPSK	15.39	15.43	15.13	14.96	15.35	16.50
	75	0	QPSK	15.26	15.36	15.19	15.04	15.32	16.50
		0	16QAM	15.40	15.35	15.09	15.25	15.45	16.50
15	1	37	16QAM	15.62	15.70	15.44	15.63	15.63	16.50
		74	16QAM	15.28	15.32	15.12	15.20	15.34	16.50
		0	16QAM	14.31	14.37	14.29	14.28	14.27	15.50
	36	20	16QAM	14.40	14.33	14.27	14.25	14.38	15.50
		39	16QAM	14.45	14.47	14.31	14.00	14.49	15.50
		0	16QAM	14.42	14.34	14.28	14.14	14.38	15.50
	75	0	64QAM	14.17	14.11	14.24	14.19	14.26	15.50
		0	64QAM	14.18	14.27	14.08	14.30	14.26	15.50
15	1	74	64QAM	14.25	14.47	14.19	14.39	14.27	15.50
		0	64QAM	13.17	13.28	13.16	13.26	13.31	14.50
		20	64QAM	13.10	13.36	13.11	13.35	13.22	14.50
	36	39	64QAM	13.19	13.36	13.21	13.27	13.35	14.50
		0	64QAM	13.31	13.30	13.35	13.25	13.22	14.50
		0	64QAM	14.17	14.11	14.24	14.19	14.26	15.50
	75	0	64QAM	14.18	14.27	14.08	14.30	14.26	15.50
		0	64QAM	14.25	14.47	14.19	14.39	14.27	15.50
10	1	0	QPSK	16.31	16.20	16.50	16.18	16.22	17.50
		25	QPSK	16.37	16.42	16.32	16.17	16.41	17.50
		49	QPSK	16.08	16.06	15.88	15.84	16.00	17.50
	25	0	QPSK	15.21	15.22	15.30	15.21	15.23	16.50
		12	QPSK	15.24	15.27	15.12	15.12	15.35	16.50
		25	QPSK	15.47	15.44	15.25	14.98	15.43	16.50
	50	0	QPSK	15.33	15.35	15.17	15.11	15.38	16.50
		0	16QAM	15.44	15.43	15.14	15.33	15.43	15.50
10	1	25	16QAM	15.66	15.65	15.43	15.53	15.66	15.50
		49	16QAM	15.33	15.28	15.09	15.17	15.36	15.50
		0	16QAM	14.26	14.33	14.40	14.37	14.31	14.50
	25	12	16QAM	14.33	14.42	14.24	14.17	14.43	14.50
		25	16QAM	14.49	14.49	14.22	14.01	14.39	14.50
		0	16QAM	14.39	14.40	14.30	14.07	14.39	14.50
	50	0	64QAM	14.28	14.14	14.17	14.19	14.25	15.50
		25	64QAM	14.09	14.27	14.05	14.29	14.18	15.50
10	1	49	64QAM	14.25	14.43	14.16	14.44	14.27	15.50
		0	64QAM	13.17	13.19	13.12	13.30	13.24	14.50
		12	64QAM	13.10	13.35	13.10	13.34	13.19	14.50
	25	25	64QAM	13.29	13.36	13.27	13.39	13.32	14.50
		0	64QAM	13.32	13.32	13.33	13.25	13.25	14.50
		0	64QAM	14.28	14.20	14.21	14.20	14.29	15.50
	50	12	64QAM	14.12	14.30	14.05	14.29	14.23	15.50
		24	64QAM	14.14	14.50	14.25	14.47	14.30	15.50
5	1	0	64QAM	13.09	13.33	13.18	13.20	13.24	14.50
		7	64QAM	13.09	13.25	13.22	13.36	13.19	14.50
		13	64QAM	13.21	13.33	13.28	13.28	13.24	14.50
	12	0	64QAM	13.15	13.25	13.24	13.30	13.21	14.50
		12	64QAM	13.15	13.25	13.24	13.30	13.21	14.50
		24	64QAM	13.15	13.25	13.24	13.30	13.21	14.50
	25	0	64QAM	13.15	13.25	13.24	13.30	13.21	14.50
		0	64QAM	13.15	13.25	13.24	13.30	13.21	14.50

8.3.6 LTE Band41 Output Power

LTE B41 120M ANT2									
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				40140	40390	40640	40890	41140	
Frequency (MHz)				2545	2570	2595	2620	2645	
20	1	0	QPSK	16.77	16.89	16.91	16.89	16.78	18.00
		49	QPSK	16.78	16.83	16.87	16.81	16.73	18.00
		99	QPSK	16.41	16.56	16.59	16.57	16.43	18.00
	50	0	QPSK	15.88	16.02	16.06	15.98	15.96	17.00
		24	QPSK	15.71	15.79	15.80	15.72	15.67	17.00
		50	QPSK	15.86	15.88	15.78	15.66	15.76	17.00
	100	0	QPSK	15.72	15.85	15.82	15.75	15.73	17.00
20	1	0	16QAM	15.74	15.87	15.75	15.94	15.80	17.00
		49	16QAM	16.14	16.19	16.06	16.24	16.07	17.00
		99	16QAM	15.87	15.88	15.77	15.95	15.81	17.00
	50	0	16QAM	14.78	14.87	14.92	14.90	14.84	16.00
		24	16QAM	14.80	14.88	14.89	14.85	14.80	16.00
		50	16QAM	14.94	14.99	14.87	14.78	14.93	16.00
	100	0	16QAM	14.79	14.89	14.89	14.80	14.86	16.00
20	1	0	64QAM	14.63	14.84	14.90	14.87	14.83	16.00
		49	64QAM	14.70	14.79	14.84	14.74	14.69	16.00
		99	64QAM	14.79	14.93	14.84	14.73	14.85	16.00
	50	0	64QAM	13.63	13.84	13.85	13.85	13.74	15.00
		24	64QAM	13.78	13.83	13.82	13.73	13.71	15.00
		50	64QAM	13.88	13.87	13.77	13.63	13.92	15.00
	100	0	64QAM	13.73	13.84	13.81	13.76	13.76	15.00
Channel				40115	40378	40640	40903	41165	Tune-up limit (dBm)
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5	
15	1	0	QPSK	16.67	16.80	16.89	16.79	16.74	18.00
		37	QPSK	16.76	16.79	16.81	16.78	16.71	18.00
		74	QPSK	16.29	16.43	16.54	16.43	16.40	18.00
	36	0	QPSK	15.87	15.88	16.01	15.88	15.86	17.00
		20	QPSK	15.67	15.71	15.76	15.60	15.57	17.00
		39	QPSK	15.80	15.74	15.67	15.54	15.64	17.00
	75	0	QPSK	15.64	15.84	15.72	15.64	15.61	17.00
15	1	0	16QAM	15.61	15.85	15.72	15.93	15.79	17.00
		37	16QAM	15.99	16.05	16.02	16.21	15.99	17.00
		74	16QAM	15.85	15.79	15.69	15.87	15.73	17.00
	36	0	16QAM	14.68	14.86	14.87	14.83	14.82	16.00
		20	16QAM	14.69	14.74	14.87	14.75	14.66	16.00
		39	16QAM	14.90	14.95	14.72	14.64	14.91	16.00
	75	0	16QAM	14.68	14.79	14.77	14.68	14.73	16.00
15	1	0	64QAM	14.51	14.70	14.88	14.81	14.77	16.00
		37	64QAM	14.64	14.65	14.78	14.68	14.68	16.00
		74	64QAM	14.64	14.82	14.70	14.71	14.74	16.00
	36	0	64QAM	13.60	13.69	13.78	13.80	13.65	15.00
		20	64QAM	13.68	13.71	13.78	13.66	13.61	15.00
		39	64QAM	13.81	13.83	13.70	13.50	13.80	15.00
	75	0	64QAM	13.59	13.76	13.67	13.74	13.75	15.00
Channel				40090	40365	40640	40915	41190	Tune-up limit (dBm)
Frequency (MHz)				2540	2567.5	2595	2622.5	2650	
10	1	0	QPSK	16.74	16.74	16.87	16.86	16.66	18.00
		25	QPSK	16.66	16.75	16.83	16.74	16.65	18.00
		49	QPSK	16.27	16.53	16.50	16.51	16.30	18.00
	25	0	QPSK	15.76	16.01	15.91	15.88	15.84	17.00
		12	QPSK	15.60	15.74	15.72	15.60	15.54	17.00
		25	QPSK	15.73	15.83	15.65	15.52	15.72	17.00
	50	0	QPSK	15.70	15.81	15.81	15.65	15.70	17.00
10	1	0	16QAM	15.62	15.86	15.67	15.86	15.78	17.00
		25	16QAM	16.08	16.10	16.04	16.15	15.92	17.00
		49	16QAM	15.85	15.79	15.70	15.85	15.69	17.00
	25	0	16QAM	14.74	14.85	14.82	14.84	14.74	16.00
		12	16QAM	14.79	14.75	14.79	14.70	14.78	16.00
		25	16QAM	14.84	14.88	14.84	14.68	14.90	16.00
	50	0	16QAM	14.66	14.87	14.85	14.72	14.84	16.00
10	1	0	64QAM	14.56	14.81	14.75	14.77	14.82	16.00
		25	64QAM	14.56	14.78	14.82	14.70	14.61	16.00
		49	64QAM	14.64	14.85	14.74	14.69	14.73	16.00
	25	0	64QAM	13.51	13.82	13.71	13.70	13.64	15.00
		12	64QAM	13.75	13.77	13.69	13.63	13.70	15.00
		25	64QAM	13.75	13.78	13.75	13.62	13.81	15.00
	50	0	64QAM	13.62	13.82	13.75	13.75	13.71	15.00
Channel				40065	40353	40640	40928	41215	Tune-up limit (dBm)
Frequency (MHz)				2537.5	2566.3	2595	2623.8	2652.5	
5	1	0	QPSK	16.72	16.75	16.89	16.85	16.72	18.00
		12	QPSK	16.71	16.70	16.74	16.72	16.61	18.00
		24	QPSK	16.36	16.50	16.52	16.47	16.42	18.00
	12	0	QPSK	15.74	15.90	15.99	15.89	15.89	17.00
		7	QPSK	15.62	15.64	15.71	15.66	15.61	17.00
		13	QPSK	15.76	15.74	15.73	15.63	15.74	17.00
	25	0	QPSK	15.70	15.74	15.75	15.66	15.72	17.00
5	1	0	16QAM	15.64	15.85	15.67	15.88	15.66	17.00
		12	16QAM	16.03	16.16	16.04	16.11	16.01	17.00
		24	16QAM	15.72	15.83	15.74	15.89	15.67	17.00
	12	0	16QAM	14.73	14.79	14.81	14.78	14.71	16.00
		7	16QAM	14.79	14.76	14.82	14.74	14.79	16.00
		13	16QAM	14.84	14.91	14.79	14.73	14.87	16.00
	25	0	16QAM	14.67	14.82	14.77	14.67	14.81	16.00
5	1	0	64QAM	14.48	14.75	14.84	14.80	14.78	16.00
		12	64QAM	14.69	14.71	14.83	14.60	14.59	16.00
		24	64QAM	14.72	14.92	14.83	14.71	14.80	16.00
	12	0	64QAM	13.62	13.80	13.81	13.75	13.62	15.00
		7	64QAM	13.67	13.76	13.68	13.70	13.56	15.00
		13	64QAM	13.78	13.79	13.76	13.51	13.90	15.00
	25	0	64QAM	13.46	13.77	13.76	13.68	13.66	15.00