

8 CONDUCTED RF OUPUT POWER

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8.1 GSM Output Power

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)	26.30	26.47	26.40	27.50	9.19	17.11	17.28	17.21	18.31
GPRS (GMSK, 1-Slot)	26.26	26.39	26.35	27.50	9.19	17.07	17.20	17.16	18.31
GPRS (GMSK, 2-Slots)	25.78	25.87	25.79	27.00	6.13	19.65	19.74	19.66	20.87
GPRS (GMSK, 3-Slots)	24.72	24.80	24.83	26.00	4.42	20.30	20.38	20.41	21.58
GPRS (GMSK, 4-Slots)	23.71	23.77	23.68	25.00	3.18	20.53	20.59	20.50	21.82

GSM 850 ANT5									
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)	27.33	27.45	27.38	28.50	9.19	18.14	18.26	18.19	19.31
GPRS (GMSK, 1-Slot)	27.31	27.42	27.35	28.50	9.19	18.12	18.23	18.16	19.31
GPRS (GMSK, 2-Slots)	26.82	26.76	26.90	28.00	6.13	20.69	20.63	20.77	21.87
GPRS (GMSK, 3-Slots)	25.76	25.56	25.81	26.50	4.42	21.34	21.14	21.39	22.08
GPRS (GMSK, 4-Slots)	25.08	25.13	25.10	26.00	3.18	21.90	21.95	21.92	22.82

8.1 GSM Output Power

PCS 1900 ANT2									
PCS1900 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)	21.64	21.16	20.72	22.00	9.19	12.45	11.97	11.53	12.81
GPRS (GMSK, 1-Slot)	21.65	21.15	20.71	22.00	9.19	12.46	11.96	11.52	12.81
GPRS (GMSK, 2-Slots)	20.40	20.42	20.25	21.50	6.13	14.27	14.29	14.12	15.37
GPRS (GMSK, 3-Slots)	19.34	18.65	18.74	19.50	4.42	14.92	14.23	14.32	15.08
GPRS (GMSK, 4-Slots)	17.78	17.49	17.32	18.50	3.18	14.60	14.31	14.14	15.32

PCS 1900 ANT5									
PCS1900 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)	21.68	21.77	21.57	22.50	9.19	12.49	12.58	12.38	13.31
GPRS (GMSK, 1-Slot)	21.61	21.73	21.58	22.50	9.19	12.42	12.54	12.39	13.31
GPRS (GMSK, 2-Slots)	20.79	20.80	20.78	22.00	6.13	14.66	14.67	14.65	15.87
GPRS (GMSK, 3-Slots)	19.17	18.97	18.89	20.00	4.42	14.75	14.55	14.47	15.58
GPRS (GMSK, 4-Slots)	17.76	17.78	17.67	18.50	3.18	14.58	14.60	14.49	15.32

8.2 WCDMA Output Power

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	15.78	15.86	15.76	17.00
HSDPA Subtest-1	14.81	14.90	14.77	16.00
HSDPA Subtest-2	14.82	14.92	14.78	16.00
HSDPA Subtest-3	14.33	14.45	14.24	15.50
HSDPA Subtest-4	14.32	14.42	14.21	15.50
HSUPA Subtest-1	14.74	14.85	14.74	16.00
HSUPA Subtest-2	12.76	12.92	12.81	14.00
HSUPA Subtest-3	13.74	13.83	13.68	15.00
HSUPA Subtest-4	12.90	12.90	12.86	14.00
HSUPA Subtest-5	14.80	14.78	14.69	16.00
HSPA+	12.34	12.49	12.33	13.50

WCDMA II ANT5				
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	16.27	16.32	16.24	17.50
HSDPA Subtest-1	15.23	15.37	15.18	16.50
HSDPA Subtest-2	15.17	15.36	15.18	16.50
HSDPA Subtest-3	14.79	14.90	14.81	16.00
HSDPA Subtest-4	14.69	14.87	14.79	16.00
HSUPA Subtest-1	15.12	15.26	15.16	16.50
HSUPA Subtest-2	13.19	13.37	13.16	14.50
HSUPA Subtest-3	14.19	14.28	14.12	15.50
HSUPA Subtest-4	13.19	13.43	13.19	14.50
HSUPA Subtest-5	15.21	15.28	15.16	16.50
HSPA+	12.72	12.96	12.69	14.00

8.2 WCDMA Output Power

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	17.53	17.65	17.49	18.50
HSDPA Subtest-1	16.57	16.67	16.61	17.50
HSDPA Subtest-2	16.67	16.62	16.59	17.50
HSDPA Subtest-3	16.21	16.15	16.14	17.00
HSDPA Subtest-4	16.18	16.12	16.09	17.00
HSUPA Subtest-1	16.46	16.64	16.52	17.50
HSUPA Subtest-2	14.50	14.66	14.49	15.50
HSUPA Subtest-3	15.53	15.65	15.53	16.50
HSUPA Subtest-4	14.55	14.61	14.48	15.50
HSUPA Subtest-5	16.50	16.63	16.53	17.50
HSPA+	13.99	14.03	14.00	15.00

WCDMA IV ANT5				
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	17.57	17.75	17.54	18.50
HSDPA Subtest-1	16.66	16.63	16.66	17.50
HSDPA Subtest-2	16.75	16.68	16.68	17.50
HSDPA Subtest-3	16.23	16.17	16.15	17.00
HSDPA Subtest-4	16.15	16.17	16.09	17.00
HSUPA Subtest-1	16.49	16.64	16.57	17.50
HSUPA Subtest-2	14.47	14.65	14.51	15.50
HSUPA Subtest-3	15.57	15.70	15.60	16.50
HSUPA Subtest-4	14.52	14.66	14.46	15.50
HSUPA Subtest-5	16.46	16.59	16.58	17.50
HSPA+	13.97	14.02	14.00	15.00

8.2 WCDMA Output Power

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	22.41	22.53	22.27	23.50
HSDPA Subtest-1	21.37	21.44	21.39	22.50
HSDPA Subtest-2	21.47	21.47	21.34	22.50
HSDPA Subtest-3	21.09	20.88	21.01	22.00
HSDPA Subtest-4	20.91	20.88	20.89	22.00
HSUPA Subtest-1	21.23	21.27	21.29	22.50
HSUPA Subtest-2	19.34	19.40	19.32	20.50
HSUPA Subtest-3	20.28	20.49	20.35	21.50
HSUPA Subtest-4	19.37	19.36	19.36	20.50
HSUPA Subtest-5	21.32	21.36	21.28	22.50
HSPA+	18.88	18.80	18.74	20.00

WCDMA V ANT5				
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	22.67	22.72	22.65	23.50
HSDPA Subtest-1	21.73	21.74	21.70	22.50
HSDPA Subtest-2	21.75	21.77	21.71	22.50
HSDPA Subtest-3	21.31	21.30	21.24	22.00
HSDPA Subtest-4	21.27	21.26	21.22	22.00
HSUPA Subtest-1	21.66	21.66	21.63	22.50
HSUPA Subtest-2	19.62	19.63	19.64	20.50
HSUPA Subtest-3	20.58	20.59	20.66	21.50
HSUPA Subtest-4	19.67	19.62	19.62	20.50
HSUPA Subtest-5	21.58	21.73	21.57	22.50
HSPA+	19.16	19.19	19.19	20.00

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				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	17.28	17.45	17.31	18.50	
			49	17.14	17.36	17.11	18.50	
			99	17.16	17.41	17.30	18.50	
		50	0	16.31	16.50	16.19	17.50	
			24	16.08	16.33	16.08	17.50	
			50	16.13	16.34	16.11	17.50	
		100	0	16.10	16.31	16.15	17.50	
		16QAM	1	0	16.34	16.45	16.23	17.50
				49	16.37	16.48	16.36	17.50
	99			16.22	16.43	16.19	17.50	
	50		0	15.08	15.29	15.14	16.50	
			24	15.08	15.33	15.15	16.50	
			50	15.16	15.36	15.14	16.50	
	100	0	15.19	15.32	15.09	16.50		
	64QAM	1	0	15.17	15.32	15.21	16.50	
			49	15.33	15.47	15.34	16.50	
			99	15.37	15.55	15.30	16.50	
		50	0	14.13	14.28	14.17	15.50	
			24	14.21	14.32	14.21	15.50	
			50	14.17	14.36	14.11	15.50	
		100	0	14.07	14.31	14.13	15.50	
Channel				18675	18900	19125	Tune-up limit (dBm)	
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	17.26	17.42	17.22	18.50	
			37	17.11	17.26	17.05	18.50	
			74	17.06	17.33	17.17	18.50	
		36	0	16.18	16.36	16.10	17.50	
			20	15.98	16.31	16.02	17.50	
			39	16.10	16.28	15.96	17.50	
		75	0	15.99	16.18	16.09	17.50	
	16QAM	1	0	16.19	16.41	16.20	17.50	
			37	16.24	16.40	16.35	17.50	
			74	16.07	16.34	16.13	17.50	
		36	0	14.94	15.18	15.03	16.50	
			20	15.06	15.26	15.13	16.50	
			39	15.15	15.26	15.13	16.50	
	75	0	15.15	15.22	15.08	16.50		
	64QAM	1	0	15.05	15.28	15.15	16.50	
			37	15.24	15.45	15.28	16.50	
			74	15.36	15.42	15.19	16.50	
		36	0	14.11	14.22	14.15	15.50	
			20	14.12	14.20	14.14	15.50	
			39	14.05	14.28	14.09	15.50	
		75	0	13.93	14.28	14.04	15.50	

Channel				18650	18900	19150	Tune-up limit	
Frequency (MHz)				1855	1880	1905	(dBm)	
10	QPSK	1	0	17.20	17.30	17.18	18.50	
			25	17.10	17.26	16.99	18.50	
			49	17.14	17.29	17.25	18.50	
		25	0	16.26	16.31	16.10	17.50	
			12	15.96	16.30	16.03	17.50	
			25	16.05	16.29	16.01	17.50	
		50	0	15.96	16.16	16.13	17.50	
		16QAM	1	0	16.31	16.41	16.17	17.50
				25	16.28	16.41	16.33	17.50
	49			16.09	16.28	16.14	17.50	
	25		0	15.00	15.22	15.11	16.50	
			12	15.02	15.32	15.13	16.50	
			25	15.07	15.31	15.13	16.50	
	64QAM	1	0	15.05	15.28	15.05	16.50	
			0	15.11	15.17	15.12	16.50	
			25	15.24	15.39	15.31	16.50	
		25	49	15.26	15.45	15.21	16.50	
			0	14.10	14.16	14.05	15.50	
			12	14.17	14.24	14.12	15.50	
		25	14.02	14.31	14.02	15.50		
		50	0	13.98	14.28	14.00	15.50	
Channel				18625	18900	19175	Tune-up limit	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	
5	QPSK	1	0	17.20	17.42	17.18	18.50	
			12	17.03	17.35	17.06	18.50	
			24	17.01	17.34	17.26	18.50	
		12	0	16.26	16.34	16.11	17.50	
			7	15.93	16.30	15.97	17.50	
			13	16.10	16.21	16.06	17.50	
		25	0	16.08	16.18	16.06	17.50	
		16QAM	1	0	16.19	16.40	16.13	17.50
				12	16.31	16.44	16.25	17.50
	24			16.21	16.29	16.04	17.50	
	12		0	15.02	15.14	15.12	16.50	
			7	14.93	15.30	15.06	16.50	
			13	15.07	15.31	15.02	16.50	
	64QAM	25	0	15.11	15.30	14.97	16.50	
			1	0	15.15	15.28	15.08	16.50
				12	15.27	15.40	15.23	16.50
		24		15.23	15.46	15.20	16.50	
		12	0	14.12	14.17	14.15	15.50	
			7	14.18	14.24	14.15	15.50	
			13	14.16	14.21	14.01	15.50	
		25	0	14.06	14.26	14.08	15.50	

Channel				18615	18900	19185	Tune-up limit	
Frequency (MHz)				1851.5	1880	1908.5	(dBm)	
3	QPSK	1	0	17.27	17.35	17.28	18.50	
			8	17.12	17.28	17.08	18.50	
			14	17.03	17.33	17.28	18.50	
		8	0	16.16	16.40	16.08	17.50	
			4	15.93	16.19	16.07	17.50	
			7	16.07	16.23	15.97	17.50	
		15	0	16.08	16.17	16.01	17.50	
		16QAM	1	0	16.32	16.44	16.10	17.50
				8	16.28	16.45	16.30	17.50
	14			16.13	16.30	16.18	17.50	
	8		0	14.99	15.14	15.03	16.50	
			4	14.98	15.20	15.05	16.50	
			7	15.06	15.23	14.99	16.50	
	15		0	15.14	15.31	14.97	16.50	
	64QAM		1	0	15.05	15.19	15.12	16.50
				8	15.19	15.46	15.21	16.50
		14		15.27	15.44	15.20	16.50	
		8	0	14.12	14.20	14.11	15.50	
			4	14.07	14.21	14.09	15.50	
			7	14.11	14.35	13.97	15.50	
	15	0	13.97	14.21	14.08	15.50		
Channel				18607	18900	19193	Tune-up limit	
Frequency (MHz)				1850.7	1880	1909.3	(dBm)	
1.4	QPSK	1	0	17.28	17.36	17.34	18.50	
			3	17.19	17.31	17.30	18.50	
			5	17.17	17.29	17.16	18.50	
		3	0	17.20	17.32	17.27	18.50	
			1	17.17	17.31	17.30	18.50	
			3	17.26	17.30	17.27	18.50	
		6	0	16.24	16.33	16.24	17.50	
		16QAM	1	0	16.60	16.74	16.64	17.50
				3	16.60	16.71	16.61	17.50
	5			16.69	16.75	16.69	17.50	
	3		0	16.48	16.50	16.45	17.50	
			1	16.47	16.51	16.42	17.50	
			3	16.45	16.47	16.32	17.50	
	6		0	15.18	15.21	15.19	16.50	
	64QAM		1	0	15.34	15.42	15.29	16.50
				3	15.39	15.40	15.28	16.50
		5		15.33	15.41	15.38	16.50	
		3	0	15.30	15.38	15.37	16.50	
			1	15.30	15.38	15.25	16.50	
			3	15.34	15.41	15.32	16.50	
	6	0	14.49	14.56	14.47	15.50		

8.3.1 LTE Band2 Output Power

LTE B2 ANT5								
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	QPSK	1	0	17.63	17.92	17.73	18.50	
			49	17.56	17.72	17.51	18.50	
			99	17.57	17.83	17.71	18.50	
		50	0	16.71	16.86	16.57	17.50	
			24	16.55	16.75	16.49	17.50	
			50	16.53	16.78	16.53	17.50	
		100	0	16.54	16.69	16.59	17.50	
		16QAM	1	0	16.76	16.91	16.59	17.50
				49	16.77	16.83	16.80	17.50
	99			16.65	16.83	16.65	17.50	
	50		0	15.46	15.73	15.49	16.50	
			24	15.53	15.81	15.55	16.50	
			50	15.54	15.73	15.57	16.50	
	100	0	15.55	15.79	15.49	16.50		
	64QAM	1	0	15.52	15.71	15.58	16.50	
			49	15.79	15.89	15.81	16.50	
			99	15.79	16.03	15.74	16.50	
		50	0	14.54	14.77	14.62	15.50	
			24	14.62	14.74	14.70	15.50	
			50	14.65	14.73	14.56	15.50	
		100	0	14.46	14.73	14.57	15.50	
Channel				18675	18900	19125	Tune-up limit (dBm)	
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	17.53	17.86	17.64	18.50	
			37	17.53	17.64	17.38	18.50	
			74	17.42	17.68	17.66	18.50	
		36	0	16.66	16.78	16.56	17.50	
			20	16.47	16.63	16.45	17.50	
			39	16.45	16.64	16.51	17.50	
		75	0	16.53	16.61	16.49	17.50	
	16QAM	1	0	16.61	16.76	16.51	17.50	
			37	16.63	16.70	16.68	17.50	
			74	16.62	16.80	16.62	17.50	
		36	0	15.31	15.59	15.46	16.50	
			20	15.45	15.76	15.54	16.50	
			39	15.49	15.63	15.43	16.50	
	75	0	15.48	15.68	15.41	16.50		
	64QAM	1	0	15.47	15.65	15.48	16.50	
			37	15.69	15.77	15.76	16.50	
			74	15.76	15.89	15.68	16.50	
		36	0	14.42	14.67	14.49	15.50	
			20	14.61	14.72	14.62	15.50	
			39	14.56	14.64	14.55	15.50	
		75	0	14.33	14.68	14.53	15.50	

Channel				18650	18900	19150	Tune-up limit	
Frequency (MHz)				1855	1880	1905	(dBm)	
10	QPSK	1	0	17.56	17.82	17.66	18.50	
			25	17.55	17.65	17.45	18.50	
			49	17.42	17.73	17.58	18.50	
		25	0	16.65	16.83	16.50	17.50	
			12	16.46	16.69	16.45	17.50	
			25	16.44	16.63	16.39	17.50	
		50	0	16.50	16.59	16.52	17.50	
		16QAM	1	0	16.70	16.76	16.46	17.50
				25	16.70	16.81	16.67	17.50
	49			16.55	16.77	16.59	17.50	
	25		0	15.44	15.70	15.35	16.50	
			12	15.48	15.79	15.52	16.50	
			25	15.46	15.58	15.50	16.50	
	64QAM	1	0	15.49	15.70	15.42	16.50	
			0	15.45	15.58	15.50	16.50	
			25	15.64	15.81	15.79	16.50	
		25	49	15.69	15.96	15.70	16.50	
			0	14.39	14.65	14.59	15.50	
			12	14.48	14.71	14.58	15.50	
		25	14.58	14.72	14.48	15.50		
		50	0	14.41	14.66	14.54	15.50	
Channel				18625	18900	19175	Tune-up limit	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	
5	QPSK	1	0	17.61	17.91	17.66	18.50	
			12	17.55	17.59	17.45	18.50	
			24	17.44	17.75	17.62	18.50	
		12	0	16.69	16.84	16.54	17.50	
			7	16.43	16.60	16.43	17.50	
			13	16.48	16.70	16.43	17.50	
		25	0	16.46	16.57	16.45	17.50	
		16QAM	1	0	16.74	16.81	16.46	17.50
				12	16.66	16.69	16.72	17.50
	24			16.52	16.70	16.63	17.50	
	12		0	15.43	15.71	15.36	16.50	
			7	15.49	15.75	15.53	16.50	
			13	15.39	15.61	15.43	16.50	
	64QAM	25	0	15.54	15.78	15.44	16.50	
			1	0	15.50	15.65	15.48	16.50
				12	15.73	15.75	15.68	16.50
		24		15.66	16.02	15.64	16.50	
		12	0	14.49	14.73	14.50	15.50	
			7	14.56	14.64	14.59	15.50	
			13	14.54	14.58	14.46	15.50	
		25	0	14.44	14.70	14.47	15.50	

Channel				18615	18900	19185	Tune-up limit	
Frequency (MHz)				1851.5	1880	1908.5	(dBm)	
3	QPSK	1	0	17.62	17.82	17.72	18.50	
			8	17.51	17.70	17.49	18.50	
			14	17.47	17.78	17.58	18.50	
		8	0	16.63	16.76	16.64	17.50	
			4	16.42	16.64	16.41	17.50	
			7	16.39	16.68	16.48	17.50	
		15	0	16.40	16.62	16.44	17.50	
		16QAM	1	0	16.66	16.85	16.48	17.50
				8	16.64	16.72	16.68	17.50
	14			16.56	16.79	16.52	17.50	
	8		0	15.40	15.63	15.36	16.50	
			4	15.44	15.70	15.52	16.50	
			7	15.44	15.71	15.43	16.50	
	15		0	15.54	15.65	15.35	16.50	
	64QAM		1	0	15.39	15.66	15.55	16.50
				8	15.74	15.83	15.74	16.50
		14		15.67	16.02	15.64	16.50	
		8	0	14.48	14.65	14.47	15.50	
			4	14.51	14.73	14.64	15.50	
			7	14.51	14.68	14.43	15.50	
		15	0	14.41	14.63	14.48	15.50	
Channel				18607	18900	19193	Tune-up limit	
Frequency (MHz)				1850.7	1880	1909.3	(dBm)	
1.4	QPSK	1	0	17.80	17.92	17.89	18.50	
			3	17.73	17.84	17.69	18.50	
			5	17.64	17.75	17.63	18.50	
		3	0	17.74	17.86	17.83	18.50	
			1	17.70	17.83	17.70	18.50	
			3	17.79	17.81	17.82	18.50	
		6	0	16.86	16.87	16.82	17.50	
		16QAM	1	0	17.26	17.29	17.18	17.50
				3	17.13	17.26	17.22	17.50
	5			17.20	17.23	17.17	17.50	
	3		0	16.86	16.97	16.88	17.50	
			1	16.91	17.03	16.92	17.50	
			3	16.89	17.00	16.86	17.50	
	6		0	16.00	16.04	15.90	16.50	
	64QAM		1	0	15.95	16.01	15.96	16.50
				3	15.88	15.96	15.90	16.50
		5		15.85	15.92	15.91	16.50	
		3	0	15.73	15.79	15.75	16.50	
			1	15.73	15.84	15.74	16.50	
			3	15.69	15.76	15.74	16.50	
		6	0	14.64	14.77	14.75	15.50	

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				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	15.40	15.65	15.52	16.50
			49	15.33	15.47	15.29	16.50
			99	15.35	15.49	15.24	16.50
		50	0	14.35	14.56	14.43	15.50
			24	14.22	14.45	14.30	15.50
			50	14.24	14.44	14.29	15.50
		100	0	14.29	14.45	14.32	15.50
	16QAM	1	0	14.25	14.42	14.22	15.50
			49	14.32	14.46	14.34	15.50
			99	14.33	14.49	14.35	15.50
		50	0	13.26	13.51	13.39	14.50
			24	13.29	13.46	13.22	14.50
			50	13.32	13.52	13.28	14.50
		100	0	13.23	13.48	13.23	14.50
	64QAM	1	0	13.31	13.46	13.33	14.50
			49	13.17	13.43	13.19	14.50
			99	13.21	13.45	13.27	14.50
		50	0	12.35	12.52	12.37	13.50
			24	12.22	12.46	12.27	13.50
			50	12.33	12.50	12.38	13.50
		100	0	12.31	12.47	12.28	13.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	15.27	15.62	15.48	16.50
			37	15.25	15.39	15.21	16.50
			74	15.30	15.43	15.18	16.50
		36	0	14.28	14.53	14.39	15.50
			20	14.21	14.44	14.19	15.50
			39	14.20	14.30	14.23	15.50
		75	0	14.20	14.44	14.30	15.50
	16QAM	1	0	14.23	14.27	14.17	15.50
			37	14.20	14.39	14.23	15.50
			74	14.23	14.47	14.33	15.50
		36	0	13.24	13.41	13.33	14.50
			20	13.15	13.32	13.18	14.50
			39	13.21	13.42	13.26	14.50
		75	0	13.08	13.43	13.10	14.50
	64QAM	1	0	13.20	13.44	13.30	14.50
			37	13.14	13.32	13.15	14.50
			74	13.13	13.40	13.15	14.50
		36	0	12.22	12.48	12.29	13.50
			20	12.13	12.39	12.15	13.50
			39	12.26	12.48	12.23	13.50
		75	0	12.26	12.43	12.19	13.50

Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	15.25	15.53	15.38	16.50
			25	15.27	15.35	15.28	16.50
			49	15.20	15.35	15.17	16.50
		25	0	14.28	14.51	14.30	15.50
			12	14.09	14.38	14.18	15.50
			25	14.11	14.41	14.17	15.50
		50	0	14.23	14.33	14.21	15.50
	16QAM	1	0	14.10	14.28	14.12	15.50
			25	14.31	14.31	14.21	15.50
			49	14.25	14.42	14.22	15.50
		25	0	13.22	13.46	13.29	14.50
			12	13.14	13.45	13.08	14.50
			25	13.30	13.43	13.22	14.50
		50	0	13.19	13.44	13.16	14.50
	64QAM	1	0	13.20	13.34	13.19	14.50
			25	13.09	13.30	13.11	14.50
			49	13.10	13.41	13.16	14.50
		25	0	12.32	12.47	12.33	13.50
			12	12.19	12.35	12.25	13.50
			25	12.32	12.35	12.25	13.50
		50	0	12.26	12.46	12.26	13.50
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	15.28	15.63	15.42	16.50
			12	15.21	15.38	15.20	16.50
			24	15.34	15.48	15.18	16.50
		12	0	14.27	14.46	14.32	15.50
			7	14.18	14.36	14.20	15.50
			13	14.16	14.31	14.23	15.50
		25	0	14.21	14.33	14.24	15.50
	16QAM	1	0	14.22	14.28	14.16	15.50
			12	14.29	14.43	14.32	15.50
			24	14.28	14.47	14.24	15.50
		12	0	13.19	13.42	13.29	14.50
			7	13.17	13.43	13.12	14.50
			13	13.19	13.51	13.26	14.50
		25	0	13.20	13.33	13.12	14.50
	64QAM	1	0	13.26	13.35	13.28	14.50
			12	13.05	13.42	13.14	14.50
			24	13.16	13.41	13.21	14.50
		12	0	12.32	12.40	12.23	13.50
			7	12.12	12.36	12.17	13.50
			13	12.26	12.49	12.30	13.50
		25	0	12.24	12.36	12.18	13.50

Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	15.26	15.51	15.39	16.50
			8	15.26	15.41	15.20	16.50
			14	15.25	15.46	15.11	16.50
		8	0	14.31	14.52	14.32	15.50
			4	14.09	14.35	14.26	15.50
			7	14.14	14.41	14.27	15.50
		15	0	14.17	14.30	14.25	15.50
	16QAM	1	0	14.16	14.27	14.18	15.50
			8	14.28	14.41	14.21	15.50
			14	14.25	14.43	14.31	15.50
		8	0	13.13	13.37	13.30	14.50
			4	13.20	13.33	13.20	14.50
			7	13.25	13.41	13.15	14.50
		15	0	13.20	13.36	13.09	14.50
	64QAM	1	0	13.24	13.40	13.28	14.50
			8	13.08	13.35	13.14	14.50
			14	13.13	13.39	13.17	14.50
		8	0	12.21	12.48	12.30	13.50
			4	12.12	12.36	12.18	13.50
			7	12.22	12.49	12.23	13.50
		15	0	12.23	12.32	12.21	13.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	15.50	15.62	15.50	16.50
			3	15.35	15.43	15.41	16.50
			5	15.42	15.44	15.41	16.50
		3	0	15.33	15.44	15.37	16.50
			1	15.35	15.38	15.31	16.50
			3	15.33	15.35	15.26	16.50
		6	0	14.24	14.37	14.26	15.50
	16QAM	1	0	14.54	14.61	14.53	15.50
			3	14.51	14.56	14.47	15.50
			5	14.44	14.51	14.44	15.50
		3	0	14.51	14.52	14.41	15.50
			1	14.45	14.53	14.42	15.50
			3	14.46	14.52	14.48	15.50
		6	0	13.12	13.24	13.16	14.50
	64QAM	1	0	13.38	13.50	13.37	14.50
			3	13.42	13.49	13.46	14.50
			5	13.31	13.43	13.38	14.50
		3	0	13.39	13.41	13.39	14.50
			1	13.30	13.42	13.27	14.50
			3	13.41	13.44	13.29	14.50
		6	0	12.57	12.61	12.52	13.50

8.3.2 LTE Band4 Output Power

LTE B4 ANT5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	15.64	15.74	15.56	16.50		
			49	15.28	15.47	15.31	16.50		
			99	15.38	15.58	15.29	16.50		
		50	0	14.38	14.57	14.49	15.50		
			24	14.27	14.46	14.30	15.50		
			50	14.31	14.46	14.31	15.50		
			0	14.35	14.44	14.30	15.50		
			16QAM	1	0	14.22	14.41	14.21	15.50
					49	14.37	14.53	14.34	15.50
	99	14.33			14.54	14.42	15.50		
	50	0		13.27	13.56	13.41	14.50		
		24		13.38	13.53	13.26	14.50		
		50		13.30	13.61	13.26	14.50		
	100	0	13.30	13.45	13.32	14.50			
	64QAM	1	0	13.31	13.54	13.34	14.50		
			49	13.17	13.49	13.26	14.50		
			99	13.25	13.42	13.26	14.50		
		50	0	12.44	12.51	12.34	13.50		
			24	12.20	12.45	12.28	13.50		
			50	12.31	12.55	12.45	13.50		
			0	12.35	12.45	12.36	13.50		
Channel				20025	20175	20325	Tune-up limit (dBm)		
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	15.43	15.68	15.58	16.50		
			37	15.39	15.49	15.37	16.50		
			74	15.42	15.44	15.26	16.50		
		36	0	14.39	14.54	14.51	15.50		
			20	14.18	14.44	14.29	15.50		
			39	14.25	14.42	14.31	15.50		
			0	14.35	14.48	14.31	15.50		
			16QAM	1	0	14.27	14.51	14.24	15.50
					37	14.39	14.52	14.41	15.50
	74	14.35			14.55	14.44	15.50		
	36	0		13.33	13.56	13.34	14.50		
		20		13.34	13.48	13.22	14.50		
		39		13.37	13.56	13.30	14.50		
	75	0	13.28	13.51	13.26	14.50			
	64QAM	1	0	13.31	13.46	13.38	14.50		
			37	13.26	13.48	13.17	14.50		
			74	13.24	13.40	13.25	14.50		
		36	0	12.33	12.59	12.42	13.50		
			20	12.18	12.55	12.33	13.50		
			39	12.35	12.57	12.47	13.50		
		75	0	12.30	12.48	12.35	13.50		

Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	15.39	15.71	15.53	16.50
			25	15.41	15.42	15.29	16.50
			49	15.35	15.44	15.26	16.50
		25	0	14.31	14.57	14.48	15.50
			12	14.19	14.53	14.36	15.50
			25	14.29	14.50	14.32	15.50
		50	0	14.38	14.47	14.30	15.50
	16QAM	1	0	14.20	14.45	14.18	15.50
			25	14.38	14.45	14.33	15.50
			49	14.29	14.46	14.36	15.50
		25	0	13.27	13.53	13.48	14.50
			12	13.38	13.46	13.30	14.50
			25	13.41	13.53	13.33	14.50
		50	0	13.25	13.50	13.20	14.50
	64QAM	1	0	13.40	13.47	13.34	14.50
			25	13.13	13.50	13.27	14.50
			49	13.17	13.51	13.34	14.50
		25	0	12.34	12.55	12.33	13.50
			12	12.21	12.53	12.35	13.50
			25	12.39	12.51	12.38	13.50
		50	0	12.34	12.48	12.34	13.50
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	15.47	15.61	15.54	16.50
			12	15.39	15.53	15.32	16.50
			24	15.33	15.50	15.19	16.50
		12	0	14.39	14.53	14.51	15.50
			7	14.20	14.47	14.31	15.50
			13	14.24	14.51	14.26	15.50
		25	0	14.36	14.41	14.41	15.50
	16QAM	1	0	14.24	14.43	14.19	15.50
			12	14.39	14.45	14.29	15.50
			24	14.39	14.53	14.36	15.50
		12	0	13.26	13.56	13.47	14.50
			7	13.33	13.55	13.24	14.50
			13	13.35	13.54	13.31	14.50
		25	0	13.24	13.45	13.25	14.50
	64QAM	1	0	13.38	13.49	13.32	14.50
			12	13.23	13.49	13.21	14.50
			24	13.27	13.46	13.30	14.50
		12	0	12.34	12.47	12.45	13.50
			7	12.28	12.43	12.29	13.50
			13	12.39	12.49	12.41	13.50
		25	0	12.28	12.49	12.32	13.50

Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	15.47	15.61	15.49	16.50
			8	15.38	15.44	15.32	16.50
			14	15.39	15.50	15.26	16.50
		8	0	14.34	14.58	14.45	15.50
			4	14.31	14.48	14.27	15.50
			7	14.27	14.44	14.32	15.50
		15	0	14.33	14.50	14.38	15.50
	16QAM	1	0	14.26	14.40	14.23	15.50
			8	14.34	14.52	14.41	15.50
			14	14.29	14.57	14.32	15.50
		8	0	13.31	13.50	13.40	14.50
			4	13.30	13.50	13.31	14.50
			7	13.37	13.60	13.28	14.50
	15	0	13.24	13.49	13.24	14.50	
	64QAM	1	0	13.29	13.49	13.31	14.50
			8	13.17	13.48	13.19	14.50
			14	13.29	13.40	13.28	14.50
		8	0	12.39	12.50	12.39	13.50
			4	12.24	12.45	12.31	13.50
			7	12.31	12.59	12.40	13.50
		15	0	12.38	12.51	12.30	13.50

Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	15.62	15.66	15.51	16.50
			3	15.53	15.60	15.49	16.50
			5	15.55	15.61	15.55	16.50
		3	0	15.54	15.62	15.58	16.50
			1	15.57	15.62	15.53	16.50
			3	15.51	15.64	15.52	16.50
		6	0	14.54	14.59	14.49	15.50
	16QAM	1	0	14.55	14.70	14.56	15.50
			3	14.49	14.63	14.59	15.50
			5	14.68	14.70	14.56	15.50
		3	0	14.77	14.81	14.75	15.50
			1	14.69	14.78	14.69	15.50
			3	14.69	14.79	14.67	15.50
	6	0	13.74	13.76	13.75	14.50	
	64QAM	1	0	13.79	13.83	13.73	14.50
			3	13.66	13.76	13.66	14.50
			5	13.82	13.86	13.72	14.50
		3	0	13.48	13.52	13.51	14.50
			1	13.38	13.49	13.39	14.50
			3	13.47	13.51	13.48	14.50
		6	0	12.63	12.66	12.55	13.50

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	
10	QPSK	1	0	19.50	19.67	19.41	20.50
			25	19.39	19.60	19.39	20.50
			49	19.38	19.51	19.34	20.50
		25	0	18.42	18.65	18.41	19.50
			12	18.37	18.55	18.38	19.50
			25	18.34	18.54	18.33	19.50
		50	0	18.43	18.58	18.40	19.50
	16QAM	1	0	18.70	18.91	18.78	19.50
			25	18.73	18.93	18.70	19.50
			49	18.83	18.98	18.78	19.50
		25	0	17.32	17.58	17.34	18.50
			12	17.45	17.59	17.43	18.50
			25	17.51	17.64	17.39	18.50
		50	0	17.37	17.59	17.37	18.50
	64QAM	1	0	17.50	17.67	17.47	18.50
			25	17.52	17.65	17.40	18.50
			49	17.55	17.77	17.51	18.50
		25	0	16.44	16.62	16.42	17.50
			12	16.47	16.63	16.43	17.50
			25	16.50	16.69	16.43	17.50
		50	0	16.48	16.60	16.43	17.50
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.35	19.59	19.40	20.50
			12	19.26	19.55	19.32	20.50
			24	19.35	19.43	19.20	20.50
		12	0	18.41	18.63	18.38	19.50
			7	18.24	18.40	18.25	19.50
			13	18.31	18.52	18.27	19.50
		25	0	18.35	18.52	18.32	19.50
	16QAM	1	0	18.68	18.84	18.67	19.50
			12	18.61	18.86	18.64	19.50
			24	18.70	18.89	18.70	19.50
		12	0	17.25	17.52	17.19	18.50
			7	17.37	17.49	17.32	18.50
			13	17.41	17.59	17.29	18.50
		25	0	17.34	17.58	17.36	18.50
	64QAM	1	0	17.39	17.62	17.41	18.50
			12	17.49	17.58	17.37	18.50
			24	17.42	17.69	17.42	18.50
		12	0	16.32	16.55	16.41	17.50
			7	16.34	16.60	16.28	17.50
			13	16.36	16.59	16.40	17.50
		25	0	16.38	16.55	16.30	17.50

Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	19.35	19.60	19.27	20.50
			8	19.26	19.50	19.36	20.50
			14	19.24	19.43	19.31	20.50
		8	0	18.29	18.59	18.39	19.50
			4	18.25	18.50	18.35	19.50
			7	18.29	18.50	18.21	19.50
		15	0	18.37	18.43	18.39	19.50
	16QAM	1	0	18.67	18.89	18.70	19.50
			8	18.72	18.84	18.55	19.50
			14	18.82	18.93	18.75	19.50
		8	0	17.28	17.55	17.22	18.50
			4	17.33	17.58	17.35	18.50
			7	17.48	17.63	17.36	18.50
		15	0	17.32	17.54	17.22	18.50
	64QAM	1	0	17.42	17.61	17.35	18.50
			8	17.49	17.53	17.26	18.50
			14	17.41	17.73	17.39	18.50
		8	0	16.30	16.61	16.32	17.50
			4	16.40	16.62	16.32	17.50
			7	16.48	16.62	16.40	17.50
		15	0	16.44	16.58	16.39	17.50
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	19.52	19.56	19.48	20.50
			3	19.48	19.51	19.45	20.50
			5	19.51	19.55	19.47	20.50
		3	0	19.49	19.52	19.45	20.50
			1	19.37	19.48	19.46	20.50
			3	19.52	19.52	19.44	20.50
		6	0	18.47	18.50	18.43	19.50
	16QAM	1	0	18.54	18.68	18.84	19.50
			3	18.53	18.66	18.82	19.50
			5	18.58	18.70	18.84	19.50
		3	0	18.67	18.55	18.62	19.50
			1	18.68	18.52	18.62	19.50
			3	18.67	18.57	18.59	19.50
		6	0	17.65	17.63	17.32	18.50
	64QAM	1	0	17.70	17.95	17.54	18.50
			3	17.66	17.98	17.53	18.50
			5	17.72	17.95	17.50	18.50
		3	0	17.41	17.82	17.50	18.50
			1	17.41	17.84	17.50	18.50
			3	17.42	17.85	17.55	18.50
		6	0	16.55	16.56	16.70	17.50

8.3.3 LTE Band5 Output Power

LTE B5 ANT5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	19.80	19.95	19.84	20.50
			25	19.69	19.83	19.62	20.50
			49	19.70	19.87	19.73	20.50
		25	0	18.77	18.88	18.80	19.50
			12	18.71	18.80	18.66	19.50
			25	18.62	18.82	18.68	19.50
		50	0	18.68	18.83	18.63	19.50
	16QAM	1	0	19.02	19.19	19.11	19.50
			25	19.14	19.22	19.08	19.50
			49	19.15	19.27	19.19	19.50
		25	0	17.74	17.88	17.81	18.50
			12	17.77	17.87	17.66	18.50
			25	17.83	17.93	17.72	18.50
		50	0	17.67	17.88	17.71	18.50
	64QAM	1	0	17.81	17.94	17.78	18.50
			25	17.80	17.92	17.80	18.50
			49	17.87	18.04	17.97	18.50
		25	0	16.84	16.92	16.76	17.50
			12	16.76	16.89	16.76	17.50
			25	16.77	16.95	16.79	17.50
		50	0	16.73	16.88	16.75	17.50
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.66	19.91	19.82	20.50
			12	19.56	19.75	19.60	20.50
			24	19.63	19.74	19.67	20.50
		12	0	18.62	18.84	18.76	19.50
			7	18.57	18.68	18.64	19.50
			13	18.49	18.76	18.63	19.50
		25	0	18.61	18.75	18.61	19.50
	16QAM	1	0	19.01	19.07	19.00	19.50
			12	19.07	19.11	18.96	19.50
			24	19.07	19.26	19.05	19.50
		12	0	17.72	17.80	17.74	18.50
			7	17.63	17.76	17.51	18.50
			13	17.73	17.84	17.71	18.50
		25	0	17.54	17.82	17.59	18.50
	64QAM	1	0	17.69	17.79	17.68	18.50
			12	17.77	17.86	17.73	18.50
			24	17.84	17.96	17.83	18.50
		12	0	16.73	16.84	16.68	17.50
			7	16.72	16.87	16.62	17.50
			13	16.70	16.93	16.76	17.50
		25	0	16.59	16.84	16.60	17.50

Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	19.72	19.85	19.79	20.50
			8	19.66	19.78	19.57	20.50
			14	19.68	19.73	19.67	20.50
		8	0	18.64	18.80	18.76	19.50
			4	18.63	18.70	18.55	19.50
			7	18.48	18.71	18.65	19.50
		15	0	18.64	18.70	18.55	19.50
	16QAM	1	0	18.95	19.15	19.05	19.50
			8	19.10	19.19	18.99	19.50
			14	19.06	19.22	19.08	19.50
		8	0	17.69	17.78	17.71	18.50
			4	17.68	17.72	17.57	18.50
			7	17.80	17.88	17.62	18.50
		15	0	17.57	17.85	17.70	18.50
	64QAM	1	0	17.80	17.85	17.74	18.50
			8	17.79	17.83	17.75	18.50
			14	17.86	18.02	17.85	18.50
		8	0	16.75	16.89	16.65	17.50
			4	16.67	16.76	16.69	17.50
			7	16.67	16.84	16.75	17.50
		15	0	16.69	16.80	16.66	17.50
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	19.79	19.89	19.69	20.50
			3	19.75	19.81	19.70	20.50
			5	19.80	19.85	19.71	20.50
		3	0	19.72	19.82	19.67	20.50
			1	19.70	19.78	19.69	20.50
			3	19.69	19.79	19.74	20.50
		6	0	18.71	18.81	18.68	19.50
	16QAM	1	0	18.85	19.24	18.79	19.50
			3	18.83	19.17	18.78	19.50
			5	18.84	19.24	18.79	19.50
		3	0	18.73	18.98	18.91	19.50
			1	18.75	18.95	18.92	19.50
			3	18.76	18.97	18.89	19.50
		6	0	17.82	17.72	17.87	18.50
	64QAM	1	0	18.12	17.93	17.94	18.50
			3	18.16	17.91	17.89	18.50
			5	18.12	17.88	17.96	18.50
		3	0	18.03	17.86	17.62	18.50
			1	18.07	17.84	17.61	18.50
			3	18.02	17.92	17.61	18.50
		6	0	16.72	17.09	16.79	17.50

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	QPSK	1	0	14.82	14.96	14.84	16.00	
			49	14.77	14.87	14.76	16.00	
			99	14.78	14.85	14.72	16.00	
		50	0	13.72	13.92	13.67	15.00	
			24	13.67	13.85	13.66	15.00	
			50	13.58	13.84	13.61	15.00	
		100	0	13.77	13.94	13.81	15.00	
		16QAM	1	0	14.20	14.38	14.19	15.00
				49	14.31	14.52	14.29	15.00
	99			14.38	14.50	14.35	15.00	
	50		0	12.68	12.91	12.71	14.00	
			24	12.70	12.95	12.80	14.00	
			50	12.84	12.98	12.72	14.00	
	100	0	12.81	12.93	12.74	14.00		
	64QAM	1	0	13.24	13.48	13.33	14.00	
			49	13.49	13.66	13.51	14.00	
			99	13.39	13.61	13.44	14.00	
		50	0	11.70	11.92	11.66	13.00	
			24	11.80	11.96	11.82	13.00	
			50	11.82	11.97	11.82	13.00	
		100	0	11.75	11.91	11.80	13.00	
Channel				20825	21100	21375	Tune-up power(dBm)	
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	14.67	14.93	14.69	16.00	
			37	14.72	14.74	14.64	16.00	
			74	14.68	14.76	14.71	16.00	
		36	0	13.71	13.81	13.60	15.00	
			20	13.65	13.76	13.64	15.00	
			39	13.54	13.80	13.50	15.00	
		75	0	13.63	13.89	13.74	15.00	
	16QAM	1	0	14.08	14.37	14.05	15.00	
			37	14.28	14.45	14.21	15.00	
			74	14.25	14.40	14.26	15.00	
		36	0	12.54	12.82	12.70	14.00	
			20	12.55	12.81	12.79	14.00	
			39	12.72	12.91	12.66	14.00	
	75	0	12.66	12.83	12.66	14.00		
	64QAM	1	0	13.20	13.47	13.30	14.00	
			37	13.43	13.54	13.42	14.00	
			74	13.36	13.50	13.32	14.00	
		36	0	11.60	11.77	11.58	13.00	
			20	11.68	11.81	11.76	13.00	
			39	11.73	11.92	11.72	13.00	
		75	0	11.60	11.77	11.70	13.00	

Channel				20800	21100	21400	Tune-up
Frequency (MHz)				2505	2535	2565	power(dBm)
10	QPSK	1	0	14.76	14.92	14.73	16.00
			25	14.72	14.80	14.74	16.00
			49	14.73	14.80	14.68	16.00
		25	0	13.74	13.81	13.64	15.00
			12	13.64	13.70	13.51	15.00
			25	13.55	13.71	13.52	15.00
		50	0	13.75	13.86	13.76	15.00
	16QAM	1	0	14.07	14.36	14.15	15.00
			25	14.28	14.39	14.26	15.00
			49	14.31	14.37	14.25	15.00
		25	0	12.58	12.78	12.70	14.00
			12	12.60	12.83	12.67	14.00
			25	12.82	12.95	12.61	14.00
		50	0	12.77	12.87	12.71	14.00
	64QAM	1	0	13.19	13.38	13.18	14.00
			25	13.46	13.63	13.47	14.00
			49	13.33	13.48	13.42	14.00
		25	0	11.57	11.82	11.54	13.00
			12	11.74	11.88	11.78	13.00
			25	11.81	11.94	11.77	13.00
		50	0	11.71	11.87	11.66	13.00
Channel				20775	21100	21425	Tune-up
Frequency (MHz)				2502.5	2535	2567.5	power(dBm)
5	QPSK	1	0	14.72	14.93	14.82	16.00
			12	14.75	14.76	14.62	16.00
			24	14.69	14.81	14.64	16.00
		12	0	13.64	13.85	13.65	15.00
			7	13.58	13.80	13.60	15.00
			13	13.43	13.69	13.56	15.00
		25	0	13.69	13.79	13.74	15.00
	16QAM	1	0	14.11	14.28	14.11	15.00
			12	14.21	14.39	14.21	15.00
			24	14.30	14.36	14.27	15.00
		12	0	12.55	12.82	12.67	14.00
			7	12.65	12.82	12.74	14.00
			13	12.69	12.86	12.70	14.00
		25	0	12.72	12.82	12.64	14.00
	64QAM	1	0	13.14	13.47	13.25	14.00
			12	13.34	13.63	13.49	14.00
			24	13.28	13.57	13.35	14.00
		12	0	11.68	11.87	11.63	13.00
			7	11.74	11.90	11.74	13.00
			13	11.67	11.88	11.73	13.00
		25	0	11.72	11.86	11.79	13.00

8.3.4 LTE Band7 Output Power

LTE B7 ANT5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	16.70	16.85	16.71	17.50
			49	16.47	16.73	16.55	17.50
			99	16.51	16.76	16.51	17.50
		50	0	15.60	15.85	15.67	16.50
			24	15.49	15.74	15.56	16.50
			50	15.63	15.76	15.58	16.50
		100	0	15.59	15.79	15.54	16.50
	16QAM	1	0	15.73	15.91	15.78	16.50
			49	15.71	15.90	15.64	16.50
			99	15.71	15.89	15.77	16.50
		50	0	14.55	14.73	14.47	15.50
			24	14.66	14.81	14.66	15.50
			50	14.63	14.85	14.67	15.50
		100	0	14.57	14.79	14.60	15.50
	64QAM	1	0	14.62	14.74	14.61	15.50
			49	14.69	14.88	14.76	15.50
			99	14.64	14.86	14.69	15.50
		50	0	13.50	13.75	13.54	14.50
			24	13.64	13.81	13.56	14.50
			50	13.67	13.83	13.57	14.50
		100	0	13.63	13.76	13.53	14.50
Channel				20825	21100	21375	Tune-up power(dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.60	16.72	16.62	17.50
			37	16.44	16.69	16.49	17.50
			74	16.37	16.67	16.41	17.50
		36	0	15.52	15.77	15.54	16.50
			20	15.37	15.66	15.45	16.50
			39	15.48	15.72	15.56	16.50
		75	0	15.45	15.74	15.40	16.50
	16QAM	1	0	15.65	15.77	15.77	16.50
			37	15.60	15.81	15.51	16.50
			74	15.70	15.76	15.71	16.50
		36	0	14.54	14.64	14.38	15.50
			20	14.52	14.75	14.59	15.50
			39	14.49	14.81	14.52	15.50
		75	0	14.51	14.67	14.57	15.50
	64QAM	1	0	14.54	14.60	14.46	15.50
			37	14.68	14.87	14.68	15.50
			74	14.63	14.71	14.61	15.50
		36	0	13.47	13.68	13.41	14.50
			20	13.55	13.80	13.47	14.50
			39	13.66	13.76	13.53	14.50
		75	0	13.55	13.66	13.47	14.50

Channel				20800	21100	21400	Tune-up
Frequency (MHz)				2505	2535	2565	power(dBm)
10	QPSK	1	0	16.58	16.76	16.60	17.50
			25	16.41	16.67	16.48	17.50
			49	16.44	16.73	16.44	17.50
		25	0	15.58	15.82	15.55	16.50
			12	15.38	15.65	15.44	16.50
			25	15.52	15.66	15.47	16.50
		50	0	15.57	15.77	15.42	16.50
	16QAM	1	0	15.65	15.90	15.64	16.50
			25	15.70	15.75	15.61	16.50
			49	15.63	15.79	15.70	16.50
		25	0	14.49	14.60	14.35	15.50
			12	14.55	14.70	14.65	15.50
			25	14.49	14.77	14.66	15.50
		50	0	14.47	14.76	14.47	15.50
	64QAM	1	0	14.53	14.61	14.48	15.50
			25	14.66	14.74	14.66	15.50
			49	14.53	14.73	14.57	15.50
		25	0	13.35	13.69	13.46	14.50
			12	13.53	13.67	13.55	14.50
			25	13.59	13.82	13.51	14.50
		50	0	13.55	13.75	13.38	14.50
Channel				20775	21100	21425	Tune-up
Frequency (MHz)				2502.5	2535	2567.5	power(dBm)
5	QPSK	1	0	16.62	16.82	16.64	17.50
			12	16.44	16.68	16.48	17.50
			24	16.41	16.63	16.49	17.50
		12	0	15.55	15.84	15.60	16.50
			7	15.36	15.63	15.44	16.50
			13	15.62	15.64	15.54	16.50
		25	0	15.46	15.66	15.47	16.50
	16QAM	1	0	15.63	15.80	15.72	16.50
			12	15.62	15.76	15.61	16.50
			24	15.61	15.82	15.67	16.50
		12	0	14.46	14.61	14.45	15.50
			7	14.65	14.75	14.63	15.50
			13	14.55	14.72	14.54	15.50
		25	0	14.43	14.65	14.58	15.50
	64QAM	1	0	14.49	14.66	14.49	15.50
			12	14.56	14.81	14.68	15.50
			24	14.61	14.76	14.61	15.50
		12	0	13.44	13.61	13.47	14.50
			7	13.53	13.74	13.48	14.50
			13	13.66	13.80	13.45	14.50
		25	0	13.55	13.61	13.49	14.50

8.3.5 LTE Band12 Output Power

LTE B12 Full 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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.75	22.94	22.74	24.00	
			25	22.62	22.76	22.84	24.00	
			49	22.78	22.74	22.80	24.00	
		25	0	21.69	21.82	21.69	23.00	
			12	21.71	21.74	21.79	23.00	
			25	21.67	21.72	21.87	23.00	
		50	0	21.71	21.79	21.75	23.00	
		16QAM	1	0	21.95	21.97	21.90	23.00
				25	21.88	22.03	21.95	23.00
	49			21.97	22.06	22.18	23.00	
	25		0	20.56	20.82	20.81	22.00	
			12	20.66	20.79	20.80	22.00	
			25	20.69	20.81	20.83	22.00	
	50		0	20.71	20.65	20.78	22.00	
	64QAM		1	0	20.61	20.88	20.64	22.00
				25	20.66	20.77	20.71	22.00
		49		20.66	20.70	20.82	22.00	
		25	0	19.57	19.66	19.81	21.00	
			12	19.53	19.73	19.68	21.00	
			25	19.51	19.60	19.68	21.00	
		50	0	19.68	19.77	19.70	21.00	
Channel				23035	23095	23155	Tune-up power(dBm)	
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.71	22.88	22.76	24.00	
			12	22.58	22.79	22.87	24.00	
			24	22.77	22.79	22.83	24.00	
		12	0	21.78	21.95	21.68	23.00	
			7	21.74	21.74	21.84	23.00	
			13	21.67	21.66	21.83	23.00	
		25	0	21.69	21.82	21.83	23.00	
		16QAM	1	0	21.99	21.95	21.95	23.00
				12	21.93	21.97	21.98	23.00
	24			21.92	22.01	22.13	23.00	
	12		0	20.56	20.77	20.76	22.00	
			7	20.68	20.73	20.89	22.00	
			13	20.65	20.75	20.80	22.00	
	25		0	20.71	20.65	20.77	22.00	
	64QAM		1	0	20.56	20.87	20.78	22.00
				12	20.52	20.83	20.81	22.00
		24		20.63	20.74	20.84	22.00	
		12	0	19.51	19.64	19.72	21.00	
			7	19.55	19.73	19.60	21.00	
			13	19.54	19.64	19.76	21.00	
		25	0	19.67	19.75	19.81	21.00	

Channel				23025	23095	23165	Tune-up power(dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.83	22.89	22.87	24.00
			8	22.57	22.82	22.83	24.00
			14	22.76	22.81	22.74	24.00
		8	0	21.67	21.88	21.72	23.00
			4	21.63	21.75	21.83	23.00
			7	21.68	21.67	21.79	23.00
		15	0	21.75	21.84	21.82	23.00
	16QAM	1	0	22.00	21.91	21.90	23.00
			8	21.88	22.04	21.98	23.00
			14	22.01	22.00	22.10	23.00
		8	0	20.63	20.79	20.76	22.00
			4	20.68	20.73	20.86	22.00
			7	20.67	20.77	20.81	22.00
		15	0	20.71	20.65	20.71	22.00
	64QAM	1	0	20.57	20.80	20.70	22.00
			8	20.52	20.80	20.73	22.00
			14	20.66	20.78	20.83	22.00
		8	0	19.62	19.73	19.72	21.00
			4	19.56	19.59	19.63	21.00
			7	19.63	19.60	19.66	21.00
		15	0	19.56	19.70	19.70	21.00
Channel				23017	23095	23173	Tune-up power(dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.69	22.76	22.70	24.00
			3	22.68	22.69	22.65	24.00
			5	22.58	22.67	22.51	24.00
		3	0	22.60	22.71	22.57	24.00
			1	22.57	22.70	22.58	24.00
			3	22.64	22.53	22.65	24.00
		6	0	21.60	21.62	21.57	23.00
	16QAM	1	0	21.60	21.53	21.96	23.00
			3	21.65	21.67	21.84	23.00
			5	21.59	21.59	21.72	23.00
		3	0	21.71	21.72	21.69	23.00
			1	21.72	21.68	21.89	23.00
			3	21.70	21.48	21.79	23.00
		6	0	20.75	20.90	20.43	22.00
	64QAM	1	0	20.76	20.64	20.95	22.00
			3	20.67	20.71	20.72	22.00
			5	20.54	20.47	20.64	22.00
		3	0	20.60	20.49	20.68	22.00
			1	20.36	20.42	20.69	22.00
			3	20.88	20.31	20.64	22.00
		6	0	19.68	19.66	19.71	21.00

8.3.5 LTE Band12 Output Power

LTE B12 Full ANT5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	22.99	23.30	23.05	24.00
			25	23.00	23.12	23.21	24.00
			49	22.90	23.14	23.13	24.00
		25	0	21.92	22.09	22.07	23.00
			12	21.82	21.88	21.97	23.00
			25	21.99	21.87	21.89	23.00
		50	0	22.08	21.74	21.89	23.00
	16QAM	1	0	22.17	22.01	22.04	23.00
			25	22.15	22.23	22.19	23.00
			49	22.19	22.11	22.16	23.00
		25	0	20.78	21.05	21.14	22.00
			12	20.85	20.84	21.04	22.00
			25	20.94	20.99	20.88	22.00
		50	0	20.94	20.83	21.12	22.00
	64QAM	1	0	20.59	20.97	20.84	22.00
			25	20.73	20.93	20.91	22.00
			49	20.81	20.74	20.84	22.00
		25	0	19.71	20.00	20.04	21.00
			12	19.64	19.79	19.78	21.00
			25	19.79	19.73	19.91	21.00
		50	0	20.00	19.85	20.08	21.00
Channel				23035	23095	23155	Tune-up power(dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.11	23.30	23.14	24.00
			12	22.94	23.09	23.22	24.00
			24	22.97	23.13	23.16	24.00
		12	0	21.98	22.07	21.97	23.00
			7	21.90	21.96	22.03	23.00
			13	21.96	21.93	21.87	23.00
		25	0	22.10	21.80	21.80	23.00
	16QAM	1	0	22.27	22.03	22.01	23.00
			12	22.17	22.18	22.17	23.00
			24	22.23	22.22	22.20	23.00
		12	0	20.74	21.14	21.04	22.00
			7	20.88	20.88	20.99	22.00
			13	20.99	21.05	20.93	22.00
		25	0	20.92	20.77	21.03	22.00
	64QAM	1	0	20.67	20.95	20.87	22.00
			12	20.86	20.89	20.98	22.00
			24	20.82	20.87	20.85	22.00
		12	0	19.73	20.02	20.00	21.00
			7	19.66	19.89	19.89	21.00
			13	19.86	19.78	19.89	21.00
		25	0	19.92	19.82	20.08	21.00

Channel				23025	23095	23165	Tune-up power(dBm)		
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.02	23.29	23.15	24.00		
			8	23.07	23.06	23.14	24.00		
			14	22.89	23.05	23.12	24.00		
		8	0	21.95	22.11	22.06	23.00		
			4	21.84	21.97	22.04	23.00		
			7	22.06	21.94	21.90	23.00		
			15	0	22.06	21.71	21.87	23.00	
			16QAM	1	0	22.20	22.08	22.01	23.00
					8	22.18	22.18	22.18	23.00
	14	22.24			22.17	22.30	23.00		
	8	0		20.79	21.12	21.06	22.00		
		4		20.77	20.87	21.09	22.00		
		7		21.04	21.09	20.88	22.00		
		15	0	21.01	20.69	21.11	22.00		
		64QAM	1	0	20.54	20.97	20.86	22.00	
				8	20.81	21.00	20.95	22.00	
	14			20.79	20.77	20.89	22.00		
	8		0	19.77	19.98	19.99	21.00		
			4	19.63	19.84	19.76	21.00		
			7	19.93	19.71	19.97	21.00		
			15	0	19.96	19.81	20.01	21.00	

Channel				23017	23095	23173	Tune-up power(dBm)		
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.93	23.14	22.78	24.00		
			3	22.99	22.87	22.84	24.00		
			5	22.79	22.86	22.94	24.00		
		3	0	22.81	23.02	22.90	24.00		
			1	22.64	22.74	22.77	24.00		
			3	22.72	22.75	22.89	24.00		
			6	0	21.80	21.83	21.91	23.00	
			16QAM	1	0	21.92	21.76	22.24	23.00
					3	21.86	21.95	22.11	23.00
	5	21.85			21.79	21.99	23.00		
	3	0		21.82	21.89	21.86	23.00		
		1		21.98	21.77	22.06	23.00		
		3		21.91	21.66	21.99	23.00		
		6	0	20.91	21.13	20.60	22.00		
		64QAM	1	0	20.89	20.82	21.15	22.00	
				3	20.94	20.83	20.90	22.00	
	5			20.77	20.65	20.95	22.00		
	3		0	20.87	20.71	20.99	22.00		
			1	20.67	20.71	20.99	22.00		
			3	21.11	20.54	20.84	22.00		
			6	0	19.88	19.90	20.01	21.00	

8.3.6 LTE Band13 Output Power

LTE B13 Full 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				23230					
Frequency (MHz)				782					
10	QPSK	1	0		23.25		24.00		
			25		23.22		24.00		
			49		23.09		24.00		
		25	0		21.91		23.00		
			12		21.65		23.00		
			25		21.70		23.00		
			50		21.78		23.00		
			16QAM		1		0	22.19	23.00
							25	22.09	23.00
	49	22.04					23.00		
	25	0			20.86		22.00		
		12			20.75		22.00		
		25			20.78		22.00		
		50	20.80		22.00				
		64QAM	1		0		20.80	22.00	
					25		20.78	22.00	
	49				20.82		22.00		
	25				0		19.85	21.00	
					12		19.75	21.00	
					25		19.77	21.00	
	50		19.69		21.00				
Channel				23205	23230	23255	Tune-up power(dBm)		
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.15	23.20	23.19	24.00		
			12	23.19	23.13	23.13	24.00		
			24	23.08	23.07	23.06	24.00		
		12	0	21.89	21.86	21.97	23.00		
			7	21.65	21.76	21.75	23.00		
			13	21.80	21.79	21.69	23.00		
			25	21.66	21.72	21.77	23.00		
	16QAM	1	0	22.15	22.15	22.14	23.00		
			12	22.06	22.03	22.04	23.00		
			24	22.06	22.06	22.04	23.00		
		12	0	20.93	20.86	20.89	22.00		
			7	20.78	20.80	20.79	22.00		
			13	20.80	20.81	20.82	22.00		
			25	20.69	20.77	20.67	22.00		
	64QAM	1	0	20.81	20.80	20.76	22.00		
			12	20.86	20.83	20.89	22.00		
			24	20.73	20.77	20.80	22.00		
		12	0	19.91	19.80	19.87	21.00		
			7	19.79	19.75	19.73	21.00		
			13	19.77	19.75	19.81	21.00		
		25	0	19.65	19.70	19.73	21.00		

8.3.6 LTE Band13 Output Power

LTE B13 Full ANT5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0		23.29		24.00		
			25		23.24		24.00		
			49		23.18		24.00		
		25	0		21.99		23.00		
			12		21.80		23.00		
			25		21.83		23.00		
			50		21.79		23.00		
			16QAM		1		0	22.20	23.00
							25	22.18	23.00
	49	22.10					23.00		
	25	0			20.98		22.00		
		12			20.83		22.00		
		25			20.86		22.00		
		50	20.82		22.00				
		64QAM	1		0		20.84	22.00	
					25		20.92	22.00	
	49				20.87		22.00		
	25				0		19.92	21.00	
					12		19.81	21.00	
					25		19.87	21.00	
	50		19.79		21.00				
Channel				23205	23230	23255	Tune-up power(dBm)		
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.21	23.27	23.26	24.00		
			12	23.19	23.21	23.18	24.00		
			24	23.16	23.13	23.03	24.00		
		12	0	21.94	21.95	21.90	23.00		
			7	21.67	21.73	21.76	23.00		
			13	21.71	21.73	21.81	23.00		
			25	21.70	21.72	21.75	23.00		
	16QAM	1	0	22.11	22.16	22.09	23.00		
			12	22.17	22.14	22.04	23.00		
			24	22.06	22.04	22.08	23.00		
		12	0	20.90	20.86	20.96	22.00		
			7	20.75	20.70	20.81	22.00		
			13	20.75	20.77	20.82	22.00		
			25	20.67	20.78	20.75	22.00		
	64QAM	1	0	20.83	20.75	20.72	22.00		
			12	20.82	20.77	20.85	22.00		
			24	20.76	20.77	20.82	22.00		
		12	0	19.88	19.90	19.91	21.00		
			7	19.79	19.77	19.73	21.00		
			13	19.82	19.74	19.85	21.00		
		25	0	19.69	19.68	19.76	21.00		

8.3.7 LTE Band17 Output Power

LTE B17 Full 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				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.85	22.96	22.87	23.50	
			25	22.76	22.84	22.74	23.50	
			49	22.88	22.94	22.89	23.50	
		25	0	21.85	21.90	21.77	22.50	
			12	21.78	21.79	21.79	22.50	
			25	21.82	21.85	21.85	22.50	
		50	0	21.82	21.82	21.83	22.50	
		16QAM	1	0	21.79	22.25	21.90	22.50
				25	21.62	22.14	21.79	22.50
	49			21.81	22.23	21.92	22.50	
	25		0	20.85	20.78	20.83	21.50	
			12	20.79	20.78	20.85	21.50	
			25	20.84	20.86	20.93	21.50	
	50	0	20.81	20.83	20.83	21.50		
	64QAM	1	0	20.73	20.77	20.68	21.50	
			25	20.68	20.77	20.75	21.50	
			49	20.73	20.73	20.89	21.50	
		25	0	19.76	19.63	19.73	20.50	
			12	19.70	19.70	19.84	20.50	
			25	19.79	19.78	19.83	20.50	
		50	0	19.70	19.76	19.68	20.50	
Channel				23755	23790	23825	Tune-up power(dBm)	
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.76	22.95	22.83	23.50	
			12	22.84	22.90	22.92	23.50	
			24	22.75	22.88	22.94	23.50	
		12	0	21.80	21.89	21.81	22.50	
			7	21.87	21.76	21.86	22.50	
			13	21.85	21.81	21.86	22.50	
		25	0	21.89	21.82	21.88	22.50	
		16QAM	1	0	22.01	21.96	22.32	22.50
				12	22.02	21.94	22.45	22.50
	24			21.90	21.95	22.50	22.50	
	12		0	20.96	20.86	20.95	21.50	
			7	20.91	20.84	21.02	21.50	
			13	20.90	20.89	21.01	21.50	
	25		0	20.82	20.82	20.93	21.50	
	64QAM	1	0	20.75	20.81	20.74	21.50	
			12	20.64	20.76	20.83	21.50	
			24	20.78	20.78	20.97	21.50	
		12	0	19.78	19.65	19.78	20.50	
			7	19.72	19.65	19.86	20.50	
			13	19.87	19.72	19.78	20.50	
		25	0	19.77	19.80	19.76	20.50	

8.3.7 LTE Band17 Output Power

LTE B17 Full ANT5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.25	23.33	23.22	23.50	
			25	23.12	23.17	23.11	23.50	
			49	23.25	23.28	23.20	23.50	
		25	0	22.19	22.20	22.12	22.50	
			12	22.15	22.16	22.12	22.50	
			25	22.15	22.18	22.18	22.50	
		50	0	22.15	22.17	22.16	22.50	
		16QAM	1	0	22.16	22.24	22.24	22.50
				25	21.99	22.25	22.15	22.50
	49			22.17	22.23	22.28	22.50	
	25		0	21.21	21.15	21.20	21.50	
			12	21.15	21.15	21.21	21.50	
			25	21.16	21.20	21.24	21.50	
	50	0	21.12	21.17	21.17	21.50		
	64QAM	1	0	21.12	21.11	21.15	21.50	
			25	21.10	21.09	21.06	21.50	
			49	21.14	21.14	21.21	21.50	
		25	0	20.20	20.14	20.15	20.50	
			12	20.07	20.13	20.16	20.50	
			25	20.02	20.17	20.15	20.50	
		50	0	20.04	20.15	20.11	20.50	
Channel				23755	23790	23825	Tune-up power(dBm)	
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	23.19	23.32	23.29	23.50	
			12	23.22	23.26	23.25	23.50	
			24	23.13	23.20	23.24	23.50	
		12	0	22.22	22.18	22.18	22.50	
			7	22.18	22.18	22.22	22.50	
			13	22.20	22.18	22.20	22.50	
		25	0	22.22	22.19	22.26	22.50	
	16QAM	1	0	22.42	22.34	22.28	22.50	
			12	22.38	22.39	22.37	22.50	
			24	22.30	22.32	22.40	22.50	
		12	0	21.37	21.33	21.25	21.50	
			7	21.36	21.33	21.31	21.50	
			13	21.35	21.33	21.24	21.50	
		25	0	21.28	21.25	21.19	21.50	
	64QAM	1	0	21.07	21.09	21.00	21.50	
			12	21.03	21.06	21.02	21.50	
			24	21.09	20.99	21.17	21.50	
		12	0	20.15	20.07	20.09	20.50	
			7	20.00	20.08	20.10	20.50	
			13	19.87	20.13	20.00	20.50	
		25	0	19.91	20.14	20.08	20.50	

8.3.8 LTE Band66 Output Power

LTE B66 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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	15.56	15.62	15.48	16.50		
			49	15.30	15.44	15.33	16.50		
			99	15.23	15.36	15.26	16.50		
		50	0	14.22	14.33	14.21	15.50		
			24	14.21	14.22	14.26	15.50		
			50	14.22	14.20	14.14	15.50		
		100	0	14.15	14.28	14.19	15.50		
		16QAM	1	0	14.55	14.64	14.62	15.50	
				49	14.54	14.57	14.51	15.50	
				99	14.59	14.66	14.63	15.50	
	50		0	13.31	13.32	13.17	14.50		
			24	13.26	13.34	13.27	14.50		
			50	13.12	13.26	13.23	14.50		
	100		0	13.13	13.26	13.21	14.50		
	64QAM	1	0	13.98	14.00	13.96	14.50		
			49	13.90	14.00	13.92	14.50		
			99	13.82	13.86	13.83	14.50		
		50	0	12.21	12.34	12.30	13.50		
			24	12.29	12.32	12.22	13.50		
			50	12.22	12.25	12.17	13.50		
		100	0	12.23	12.26	12.21	13.50		
		Channel				132047	132322	132597	Tune-up limit (dBm)
		Frequency (MHz)				1717.5	1745	1772.5	
		15	QPSK	1	0	15.47	15.57	15.43	16.50
37	15.17				15.41	15.28	16.50		
74	15.09				15.31	15.12	16.50		
36	0			14.17	14.20	14.12	15.50		
	20			14.18	14.19	14.11	15.50		
	39			14.12	14.06	14.07	15.50		
	75			0	14.03	14.21	14.06	15.50	
16QAM	1		0	14.46	14.60	14.57	15.50		
			37	14.53	14.55	14.36	15.50		
			74	14.57	14.61	14.61	15.50		
	36		0	13.22	13.20	13.02	14.50		
			20	13.11	13.22	13.16	14.50		
			39	13.11	13.22	13.18	14.50		
	75		0	13.07	13.24	13.09	14.50		
64QAM	1		0	13.96	13.92	13.88	14.50		
			37	13.85	13.88	13.79	14.50		
			74	13.73	13.73	13.77	14.50		
	36		0	12.07	12.32	12.21	13.50		
			20	12.17	12.31	12.10	13.50		
			39	12.16	12.13	12.14	13.50		
	75	0	12.21	12.16	12.15	13.50			

Channel				132022	132322	132622	Tune-up limit (dBm)	
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	15.42	15.61	15.41	16.50	
			25	15.16	15.40	15.22	16.50	
			49	15.09	15.30	15.12	16.50	
		25	0	14.11	14.23	14.06	15.50	
			12	14.14	14.07	14.13	15.50	
			25	14.21	14.17	14.08	15.50	
		50	0	14.00	14.13	14.13	15.50	
		16QAM	1	0	14.44	14.60	14.56	15.50
				25	14.52	14.45	14.41	15.50
	49			14.46	14.53	14.55	15.50	
	25		0	13.27	13.25	13.03	14.50	
			12	13.18	13.19	13.17	14.50	
			25	13.10	13.16	13.22	14.50	
	50		0	13.01	13.11	13.14	14.50	
	64QAM		1	0	13.90	13.93	13.85	14.50
				25	13.89	13.94	13.87	14.50
		49		13.70	13.71	13.75	14.50	
		25	0	12.15	12.31	12.18	13.50	
			12	12.18	12.31	12.12	13.50	
			25	12.11	12.11	12.05	13.50	
		50	0	12.09	12.11	12.11	13.50	
Channel				131997	132322	132647	Tune-up limit (dBm)	
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	15.43	15.52	15.39	16.50	
			12	15.18	15.40	15.30	16.50	
			24	15.11	15.35	15.22	16.50	
		12	0	14.20	14.25	14.07	15.50	
			7	14.10	14.08	14.11	15.50	
			13	14.12	14.14	14.06	15.50	
		25	0	14.11	14.18	14.07	15.50	
		16QAM	1	0	14.51	14.49	14.57	15.50
				12	14.41	14.56	14.44	15.50
	24			14.50	14.65	14.50	15.50	
	12		0	13.21	13.29	13.07	14.50	
			7	13.23	13.33	13.24	14.50	
			13	12.97	13.11	13.08	14.50	
	25		0	13.00	13.17	13.20	14.50	
	64QAM		1	0	13.94	13.88	13.84	14.50
				12	13.77	13.95	13.80	14.50
		24		13.75	13.76	13.80	14.50	
		12	0	12.19	12.24	12.25	13.50	
			7	12.14	12.23	12.16	13.50	
			13	12.19	12.12	12.13	13.50	
		25	0	12.12	12.16	12.14	13.50	

Channel				131987	132322	132657	Tune-up limit (dBm)	
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	15.43	15.51	15.42	16.50	
			8	15.18	15.38	15.21	16.50	
			14	15.17	15.29	15.19	16.50	
		8	0	14.15	14.31	14.07	15.50	
			4	14.12	14.14	14.21	15.50	
			7	14.17	14.18	14.07	15.50	
		15	0	14.07	14.17	14.14	15.50	
		16QAM	1	0	14.43	14.57	14.49	15.50
				8	14.39	14.52	14.38	15.50
	14			14.48	14.57	14.59	15.50	
	8		0	13.23	13.29	13.07	14.50	
			4	13.11	13.33	13.20	14.50	
			7	13.03	13.15	13.11	14.50	
	15	0	12.99	13.11	13.16	14.50		
	64QAM	1	0	13.83	13.97	13.91	14.50	
			8	13.82	13.93	13.85	14.50	
			14	13.75	13.74	13.78	14.50	
		8	0	12.09	12.20	12.19	13.50	
			4	12.21	12.17	12.21	13.50	
			7	12.12	12.18	12.15	13.50	
		15	0	12.11	12.15	12.15	13.50	

Channel				131979	132322	132665	Tune-up limit (dBm)	
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	15.43	15.48	15.46	16.50	
			3	15.20	15.30	15.26	16.50	
			5	15.18	15.31	15.26	16.50	
		3	0	15.39	15.41	15.37	16.50	
			1	15.20	15.26	15.18	16.50	
			3	15.21	15.25	15.18	16.50	
		6	0	14.22	14.25	14.13	15.50	
		16QAM	1	0	14.54	14.66	14.62	15.50
				3	14.46	14.61	14.50	15.50
	5			14.65	14.67	14.63	15.50	
	3		0	14.40	14.42	14.40	15.50	
			1	14.42	14.46	14.36	15.50	
			3	14.38	14.40	14.26	15.50	
	6	0	13.03	13.17	13.02	14.50		
	64QAM	1	0	13.31	13.40	13.38	14.50	
			3	13.31	13.39	13.33	14.50	
			5	13.26	13.38	13.37	14.50	
		3	0	13.25	13.36	13.24	14.50	
			1	13.34	13.36	13.26	14.50	
			3	13.22	13.35	13.25	14.50	
		6	0	12.40	12.53	12.49	13.50	

8.3.8 LTE Band66 Output Power

LTE B66 ANT5								
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	QPSK	1	0	15.73	15.82	15.76	16.50	
			49	15.73	15.75	15.60	16.50	
			99	15.60	15.71	15.69	16.50	
		50	0	14.60	14.74	14.65	15.50	
			24	14.66	14.67	14.53	15.50	
			50	14.65	14.66	14.61	15.50	
		100	0	14.72	14.73	14.65	15.50	
		16QAM	1	0	14.55	14.68	14.57	15.50
				49	14.60	14.75	14.71	15.50
	99			14.64	14.66	14.61	15.50	
	50		0	13.65	13.67	13.63	14.50	
			24	13.60	13.64	13.58	14.50	
			50	13.48	13.56	13.53	14.50	
	100	0	13.56	13.60	13.54	14.50		
	64QAM	1	0	13.78	13.83	13.79	14.50	
			49	13.74	13.86	13.74	14.50	
			99	13.66	13.71	13.65	14.50	
		50	0	12.52	12.66	12.56	13.50	
			24	12.55	12.64	12.58	13.50	
			50	12.55	12.58	12.52	13.50	
		100	0	12.55	12.56	12.55	13.50	
Channel				132047	132322	132597	Tune-up limit (dBm)	
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	15.68	15.73	15.63	16.50	
			37	15.67	15.72	15.57	16.50	
			74	15.46	15.70	15.60	16.50	
		36	0	14.47	14.68	14.52	15.50	
			20	14.59	14.64	14.42	15.50	
			39	14.54	14.63	14.46	15.50	
		75	0	14.62	14.72	14.52	15.50	
		16QAM	1	0	14.45	14.53	14.49	15.50
				37	14.53	14.70	14.67	15.50
	74			14.53	14.52	14.50	15.50	
	36		0	13.58	13.55	13.52	14.50	
			20	13.53	13.61	13.45	14.50	
			39	13.46	13.54	13.50	14.50	
	75	0	13.47	13.54	13.48	14.50		
	64QAM	1	0	13.68	13.79	13.74	14.50	
			37	13.60	13.79	13.65	14.50	
			74	13.60	13.64	13.58	14.50	
		36	0	12.42	12.64	12.46	13.50	
			20	12.53	12.63	12.54	13.50	
			39	12.45	12.55	12.39	13.50	
		75	0	12.45	12.51	12.50	13.50	

Channel				132022	132322	132622	Tune-up limit (dBm)	
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	15.69	15.81	15.65	16.50	
			25	15.69	15.73	15.46	16.50	
			49	15.56	15.62	15.58	16.50	
		25	0	14.47	14.62	14.55	15.50	
			12	14.51	14.60	14.48	15.50	
			25	14.60	14.60	14.55	15.50	
		50	0	14.60	14.58	14.56	15.50	
		16QAM	1	0	14.46	14.66	14.46	15.50
				25	14.45	14.74	14.69	15.50
	49			14.52	14.58	14.60	15.50	
	25		0	13.50	13.55	13.58	14.50	
			12	13.48	13.52	13.49	14.50	
			25	13.47	13.42	13.38	14.50	
	50		0	13.49	13.57	13.46	14.50	
	64QAM		1	0	13.70	13.77	13.67	14.50
				25	13.68	13.78	13.67	14.50
		49		13.63	13.59	13.62	14.50	
		25	0	12.39	12.52	12.49	13.50	
			12	12.46	12.51	12.50	13.50	
			25	12.41	12.54	12.39	13.50	
		50	0	12.46	12.42	12.50	13.50	

Channel				131997	132322	132647	Tune-up limit (dBm)	
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	15.63	15.75	15.72	16.50	
			12	15.63	15.73	15.51	16.50	
			24	15.59	15.57	15.64	16.50	
		12	0	14.51	14.73	14.63	15.50	
			7	14.54	14.52	14.46	15.50	
			13	14.56	14.63	14.54	15.50	
		25	0	14.64	14.58	14.51	15.50	
		16QAM	1	0	14.53	14.66	14.47	15.50
				12	14.59	14.69	14.57	15.50
	24			14.56	14.56	14.50	15.50	
	12		0	13.57	13.61	13.62	14.50	
			7	13.54	13.57	13.47	14.50	
			13	13.46	13.45	13.45	14.50	
	25		0	13.52	13.52	13.44	14.50	
	64QAM		1	0	13.76	13.77	13.73	14.50
				12	13.71	13.80	13.59	14.50
		24		13.57	13.65	13.60	14.50	
		12	0	12.42	12.65	12.54	13.50	
			7	12.49	12.54	12.52	13.50	
			13	12.47	12.44	12.47	13.50	
		25	0	12.46	12.44	12.40	13.50	

Channel				131987	132322	132657	Tune-up limit (dBm)	
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	15.59	15.73	15.68	16.50	
			8	15.59	15.67	15.57	16.50	
			14	15.46	15.58	15.63	16.50	
		8	0	14.47	14.70	14.52	15.50	
			4	14.65	14.66	14.43	15.50	
			7	14.50	14.51	14.52	15.50	
		15	0	14.66	14.68	14.50	15.50	
		16QAM	1	0	14.45	14.65	14.47	15.50
				8	14.48	14.67	14.58	15.50
	14			14.58	14.55	14.52	15.50	
	8		0	13.62	13.52	13.62	14.50	
			4	13.55	13.63	13.43	14.50	
			7	13.43	13.41	13.42	14.50	
	15		0	13.42	13.58	13.39	14.50	
	64QAM		1	0	13.69	13.77	13.73	14.50
				8	13.68	13.84	13.61	14.50
		14		13.60	13.64	13.50	14.50	
		8	0	12.37	12.56	12.54	13.50	
			4	12.45	12.55	12.57	13.50	
			7	12.42	12.53	12.42	13.50	
		15	0	12.42	12.53	12.50	13.50	

Channel				131979	132322	132665	Tune-up limit (dBm)	
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	15.69	15.72	15.57	16.50	
			3	15.47	15.60	15.45	16.50	
			5	15.57	15.62	15.50	16.50	
		3	0	15.56	15.65	15.50	16.50	
			1	15.47	15.54	15.47	16.50	
			3	15.49	15.54	15.48	16.50	
		6	0	14.46	14.56	14.54	15.50	
		16QAM	1	0	14.96	14.99	14.91	15.50
				3	14.88	14.94	14.89	15.50
	5			14.89	14.97	14.88	15.50	
	3		0	14.65	14.75	14.64	15.50	
			1	14.69	14.75	14.70	15.50	
			3	14.64	14.71	14.68	15.50	
	6	0	13.36	13.47	13.33	14.50		
	64QAM	1	0	13.65	13.70	13.61	14.50	
			3	13.56	13.69	13.64	14.50	
			5	13.52	13.65	13.55	14.50	
		3	0	13.64	13.67	13.59	14.50	
			1	13.65	13.66	13.60	14.50	
			3	13.64	13.68	13.59	14.50	
		6	0	12.83	12.85	12.72	13.50	

8.3.9 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 limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	1	0	QPSK	15.90	16.03	16.02	17.00
		49	QPSK	15.89	15.95	15.94	17.00
		99	QPSK	15.89	15.92	15.81	17.00
	50	0	QPSK	14.85	14.94	14.80	16.00
		24	QPSK	14.79	14.89	14.85	16.00
		50	QPSK	14.78	14.84	14.83	16.00
	100	0	QPSK	14.77	14.89	14.79	16.00
20	1	0	16QAM	15.00	15.11	15.07	16.00
		49	16QAM	15.05	15.15	15.14	16.00
		99	16QAM	15.17	15.19	15.05	16.00
	50	0	16QAM	13.77	13.87	13.75	15.00
		24	16QAM	13.83	13.88	13.83	15.00
		50	16QAM	13.79	13.90	13.77	15.00
	100	0	16QAM	13.78	13.87	13.86	15.00
20	1	0	64QAM	13.98	14.05	13.94	15.00
		49	64QAM	14.07	14.11	14.02	15.00
		99	64QAM	13.98	14.13	14.10	15.00
	50	0	64QAM	12.74	12.87	12.72	14.00
		24	64QAM	12.87	12.88	12.82	14.00
		50	64QAM	12.87	12.92	12.91	14.00
	100	0	64QAM	12.78	12.86	12.73	14.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	1	0	QPSK	15.77	15.99	15.90	17.00
		37	QPSK	15.76	15.86	15.89	17.00
		74	QPSK	15.78	15.79	15.74	17.00
	36	0	QPSK	14.70	14.93	14.69	16.00
		20	QPSK	14.64	14.81	14.71	16.00
		39	QPSK	14.68	14.83	14.82	16.00
	75	0	QPSK	14.76	14.84	14.65	16.00
15	1	0	16QAM	14.89	15.03	14.95	16.00
		37	16QAM	15.03	15.09	14.99	16.00
		74	16QAM	15.04	15.17	14.95	16.00
	36	0	16QAM	13.70	13.82	13.61	15.00
		20	16QAM	13.75	13.79	13.69	15.00
		39	16QAM	13.73	13.75	13.74	15.00
	75	0	16QAM	13.76	13.78	13.85	15.00
15	1	0	64QAM	13.83	13.94	13.79	15.00
		37	64QAM	13.93	14.09	13.95	15.00
		74	64QAM	13.86	14.12	13.98	15.00
	36	0	64QAM	12.66	12.80	12.64	14.00
		20	64QAM	12.72	12.86	12.78	14.00
		39	64QAM	12.80	12.90	12.89	14.00
	75	0	64QAM	12.63	12.72	12.67	14.00

Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	1	0	QPSK	15.77	15.98	15.94	17.00
		25	QPSK	15.74	15.92	15.82	17.00
		49	QPSK	15.85	15.88	15.79	17.00
	25	0	QPSK	14.84	14.86	14.74	16.00
		12	QPSK	14.71	14.83	14.79	16.00
		25	QPSK	14.69	14.76	14.74	16.00
	50	0	QPSK	14.66	14.87	14.74	16.00
10	1	0	16QAM	14.95	14.97	14.95	16.00
		25	16QAM	14.97	15.05	14.99	16.00
		49	16QAM	15.02	15.12	14.96	16.00
	25	0	16QAM	13.66	13.77	13.60	15.00
		12	16QAM	13.73	13.78	13.68	15.00
		25	16QAM	13.75	13.88	13.66	15.00
	50	0	16QAM	13.66	13.85	13.77	15.00
10	1	0	64QAM	13.96	13.99	13.83	15.00
		25	64QAM	14.03	14.01	13.88	15.00
		49	64QAM	13.87	14.02	13.97	15.00
	25	0	64QAM	12.69	12.80	12.70	14.00
		12	64QAM	12.85	12.80	12.76	14.00
		25	64QAM	12.76	12.79	12.86	14.00
	50	0	64QAM	12.74	12.80	12.59	14.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	1	0	QPSK	15.80	15.98	15.96	17.00
		12	QPSK	15.74	15.91	15.92	17.00
		24	QPSK	15.83	15.79	15.68	17.00
	12	0	QPSK	14.71	14.85	14.77	16.00
		7	QPSK	14.67	14.80	14.75	16.00
		13	QPSK	14.77	14.76	14.70	16.00
	25	0	QPSK	14.64	14.80	14.77	16.00
5	1	0	16QAM	14.98	15.05	15.01	16.00
		12	16QAM	14.93	15.07	14.99	16.00
		24	16QAM	15.03	15.18	14.97	16.00
	12	0	16QAM	13.76	13.84	13.67	15.00
		7	16QAM	13.78	13.79	13.79	15.00
		13	16QAM	13.67	13.75	13.72	15.00
	25	0	16QAM	13.69	13.74	13.83	15.00
5	1	0	64QAM	13.87	13.98	13.84	15.00
		12	64QAM	14.00	13.98	13.95	15.00
		24	64QAM	13.83	14.09	14.02	15.00
	12	0	64QAM	12.60	12.73	12.68	14.00
		7	64QAM	12.80	12.82	12.72	14.00
		13	64QAM	12.72	12.88	12.83	14.00
	25	0	64QAM	12.75	12.83	12.64	14.00

8.3.9 LTE Band38 Output Power

LTE B38 ANT5							
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	17.56	17.84	17.69	18.50
		49	QPSK	17.72	17.79	17.70	18.50
		99	QPSK	17.75	17.75	17.64	18.50
	50	0	QPSK	16.74	16.81	16.72	17.50
		24	QPSK	16.74	16.74	16.65	17.50
		50	QPSK	16.77	16.74	16.62	17.50
	100	0	QPSK	16.75	16.73	16.66	17.50
20	1	0	16QAM	17.02	17.02	17.06	17.50
		49	16QAM	17.05	16.98	17.07	17.50
		99	16QAM	17.07	17.00	17.04	17.50
	50	0	16QAM	15.70	15.74	15.74	16.50
		24	16QAM	15.72	15.74	15.69	16.50
		50	16QAM	15.73	15.74	15.64	16.50
	100	0	16QAM	15.71	15.73	15.64	16.50
20	1	0	64QAM	16.26	15.96	16.05	16.50
		49	64QAM	16.24	15.96	16.07	16.50
		99	64QAM	16.30	15.95	16.00	16.50
	50	0	64QAM	14.73	14.75	14.74	15.50
		24	64QAM	14.75	14.73	14.67	15.50
		50	64QAM	14.78	14.74	14.63	15.50
	100	0	64QAM	14.72	14.72	14.67	15.50
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	1	0	QPSK	17.55	17.73	17.65	18.50
		37	QPSK	17.69	17.69	17.61	18.50
		74	QPSK	17.66	17.60	17.58	18.50
	36	0	QPSK	16.67	16.78	16.61	17.50
		20	QPSK	16.63	16.59	16.52	17.50
		39	QPSK	16.65	16.70	16.61	17.50
	75	0	QPSK	16.72	16.65	16.65	17.50
15	1	0	16QAM	16.96	16.87	17.02	17.50
		37	16QAM	16.91	16.94	17.03	17.50
		74	16QAM	16.98	16.89	16.89	17.50
	36	0	16QAM	15.65	15.69	15.66	16.50
		20	16QAM	15.59	15.60	15.54	16.50
		39	16QAM	15.69	15.70	15.57	16.50
	75	0	16QAM	15.57	15.60	15.58	16.50
15	1	0	64QAM	16.16	15.85	15.93	16.50
		37	64QAM	16.20	15.83	15.94	16.50
		74	64QAM	16.24	15.80	15.98	16.50
	36	0	64QAM	14.63	14.64	14.60	15.50
		20	64QAM	14.71	14.65	14.64	15.50
		39	64QAM	14.75	14.69	14.48	15.50
	75	0	64QAM	14.60	14.63	14.62	15.50

Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	1	0	QPSK	17.45	17.77	17.64	18.50
		25	QPSK	17.68	17.66	17.63	18.50
		49	QPSK	17.69	17.73	17.50	18.50
	25	0	QPSK	16.71	16.79	16.63	17.50
		12	QPSK	16.61	16.69	16.63	17.50
		25	QPSK	16.68	16.68	16.57	17.50
	50	0	QPSK	16.62	16.66	16.64	17.50
10	1	0	16QAM	16.99	16.96	17.03	17.50
		25	16QAM	17.04	16.95	17.01	17.50
		49	16QAM	17.00	16.99	16.94	17.50
	25	0	16QAM	15.55	15.63	15.60	16.50
		12	16QAM	15.67	15.63	15.55	16.50
		25	16QAM	15.60	15.72	15.53	16.50
	50	0	16QAM	15.62	15.62	15.62	16.50
10	1	0	64QAM	16.12	15.86	15.99	16.50
		25	64QAM	16.22	15.89	16.00	16.50
		49	64QAM	16.18	15.88	15.93	16.50
	25	0	64QAM	14.68	14.60	14.71	15.50
		12	64QAM	14.67	14.72	14.58	15.50
		25	64QAM	14.68	14.65	14.53	15.50
	50	0	64QAM	14.69	14.61	14.64	15.50
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	1	0	QPSK	17.42	17.81	17.68	18.50
		12	QPSK	17.70	17.65	17.59	18.50
		24	QPSK	17.63	17.74	17.62	18.50
	12	0	QPSK	16.70	16.73	16.58	17.50
		7	QPSK	16.71	16.70	16.51	17.50
		13	QPSK	16.70	16.71	16.51	17.50
25	0	QPSK	16.69	16.63	16.56	17.50	
5	1	0	16QAM	16.98	16.96	16.95	17.50
		12	16QAM	16.92	16.94	16.95	17.50
		24	16QAM	17.05	16.87	16.90	17.50
	12	0	16QAM	15.62	15.71	15.69	16.50
		7	16QAM	15.70	15.59	15.57	16.50
		13	16QAM	15.58	15.63	15.53	16.50
25	0	16QAM	15.70	15.63	15.52	16.50	
5	1	0	64QAM	16.13	15.92	15.97	16.50
		12	64QAM	16.12	15.90	16.05	16.50
		24	64QAM	16.18	15.89	15.87	16.50
	12	0	64QAM	14.61	14.70	14.67	15.50
		7	64QAM	14.67	14.70	14.53	15.50
		13	64QAM	14.63	14.61	14.61	15.50
	25	0	64QAM	14.66	14.71	14.55	15.50

8.3.10 LTE Band41 Output Power

LTE B41 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				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	16.10	16.05	16.20	16.10	16.09	17.00
			49	16.00	15.97	16.08	15.97	15.97	17.00
			99	16.08	16.07	16.11	15.98	16.08	17.00
		50	0	14.85	14.83	14.97	14.86	14.82	16.00
			24	14.80	14.81	14.85	14.79	14.70	16.00
			50	14.75	14.88	14.89	14.77	14.84	16.00
		100	0	14.81	14.72	14.84	14.75	14.75	16.00
			0	14.85	14.92	14.97	14.94	14.88	16.00
			49	15.04	14.98	15.06	15.02	15.02	16.00
	16QAM	1	99	15.05	15.02	15.11	15.05	14.98	16.00
			0	13.69	13.73	13.78	13.70	13.63	15.00
			24	13.77	13.70	13.83	13.68	13.71	15.00
		50	50	13.78	13.74	13.89	13.76	13.76	15.00
			0	13.77	13.78	13.82	13.78	13.80	15.00
		100	0	13.78	13.81	13.91	13.87	13.87	15.00
			49	13.92	13.93	14.04	13.99	13.99	15.00
			99	14.03	13.94	14.05	13.97	13.90	15.00
	64QAM	1	0	12.72	12.73	12.79	12.67	12.72	14.00
			24	12.74	12.73	12.83	12.72	12.82	14.00
			50	12.75	12.88	12.89	12.77	12.81	14.00
		50	0	12.72	12.78	12.81	12.69	12.77	14.00
			0	39725	40173	40620	41068	41515	Tune-up limit (dBm)
			0	2503.5	2548.3	2593	2637.8	2682.5	
			0	16.08	15.99	16.13	16.04	15.95	17.00
	QPSK	1	37	15.86	15.95	15.96	15.86	15.88	17.00
			74	15.98	16.00	15.98	15.92	16.07	17.00
			0	14.76	14.76	14.87	14.78	14.72	16.00
		36	20	14.70	14.76	14.74	14.71	14.58	16.00
			39	14.60	14.82	14.84	14.74	14.80	16.00
			0	14.71	14.61	14.75	14.71	14.70	16.00
		75	0	14.71	14.81	14.93	14.87	14.80	16.00
			37	14.94	14.94	14.92	14.96	14.91	16.00
			74	14.94	14.99	15.05	14.93	14.84	16.00
15	16QAM	1	0	13.56	13.67	13.71	13.59	13.58	15.00
			20	13.67	13.55	13.82	13.64	13.57	15.00
			39	13.70	13.65	13.76	13.71	13.64	15.00
		36	0	13.65	13.63	13.74	13.69	13.75	15.00
			0	13.67	13.71	13.88	13.79	13.84	15.00
			37	13.90	13.89	14.01	13.94	13.85	15.00
		75	74	13.92	13.90	13.97	13.91	13.78	15.00
			0	12.58	12.72	12.72	12.59	12.68	14.00
			20	12.61	12.63	12.71	12.63	12.72	14.00
	64QAM	36	39	12.66	12.87	12.81	12.63	12.77	14.00
			0	12.65	12.72	12.66	12.64	12.67	14.00

Channel				39700	40160	40620	41080	41540	Tune-up limit
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)
10	QPSK	1	0	16.01	16.04	16.08	16.06	15.94	17.00
			25	15.92	15.90	15.95	15.87	15.92	17.00
			49	16.06	15.96	16.02	15.96	15.96	17.00
		25	0	14.78	14.68	14.84	14.76	14.74	16.00
			12	14.70	14.72	14.77	14.71	14.65	16.00
			25	14.72	14.81	14.83	14.63	14.70	16.00
		50	0	14.78	14.59	14.71	14.71	14.70	16.00
	16QAM	1	0	14.70	14.88	14.90	14.82	14.79	16.00
			25	14.95	14.97	14.95	14.89	14.91	16.00
			49	15.02	14.97	15.05	14.91	14.88	16.00
		25	0	13.55	13.66	13.71	13.59	13.51	15.00
			12	13.73	13.60	13.74	13.63	13.63	15.00
			25	13.77	13.60	13.78	13.64	13.74	15.00
		50	0	13.72	13.64	13.74	13.64	13.68	15.00
	64QAM	1	0	13.72	13.80	13.82	13.77	13.86	15.00
			25	13.79	13.90	13.91	13.89	13.84	15.00
			49	13.95	13.93	13.95	13.94	13.87	15.00
		25	0	12.59	12.62	12.74	12.65	12.61	14.00
			12	12.68	12.58	12.75	12.70	12.71	14.00
			25	12.69	12.79	12.87	12.72	12.69	14.00
		50	0	12.68	12.67	12.80	12.58	12.72	14.00
Channel				39675	40148	40620	41093	41565	Tune-up limit
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	(dBm)
5	QPSK	1	0	15.97	16.04	16.12	16.05	16.05	17.00
			12	15.90	15.96	16.07	15.95	15.95	17.00
			24	15.99	16.05	16.02	15.96	16.06	17.00
		12	0	14.80	14.71	14.89	14.81	14.68	16.00
			7	14.76	14.70	14.71	14.64	14.57	16.00
			13	14.70	14.83	14.76	14.70	14.78	16.00
		25	0	14.71	14.68	14.78	14.72	14.64	16.00
	16QAM	1	0	14.78	14.85	14.82	14.79	14.86	16.00
			12	14.99	14.95	14.94	14.88	14.88	16.00
			24	14.92	14.92	15.06	15.03	14.87	16.00
		12	0	13.55	13.71	13.77	13.58	13.48	15.00
			7	13.72	13.65	13.69	13.58	13.69	15.00
			13	13.64	13.70	13.84	13.64	13.75	15.00
		25	0	13.71	13.71	13.81	13.70	13.71	15.00
	64QAM	1	0	13.73	13.66	13.78	13.86	13.86	15.00
			12	13.80	13.81	13.89	13.95	13.85	15.00
			24	13.89	13.92	13.99	13.89	13.88	15.00
		12	0	12.68	12.70	12.75	12.60	12.57	14.00
			7	12.70	12.58	12.78	12.62	12.79	14.00
			13	12.68	12.75	12.74	12.76	12.74	14.00
		25	0	12.63	12.70	12.70	12.61	12.73	14.00

8.3.10 LTE Band41 Output Power

LTE B41 ANT5											
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	QPSK	1	0	17.73	17.77	17.81	17.79	17.69	18.50		
			49	17.62	17.73	17.76	17.61	17.68	18.50		
			99	17.65	17.67	17.73	17.59	17.58	18.50		
		50	0	16.63	16.65	16.75	16.69	16.69	17.50		
			24	16.55	16.57	16.68	16.60	16.67	17.50		
			50	16.61	16.56	16.65	16.62	16.52	17.50		
		100	0	16.59	16.56	16.54	16.62	16.60	17.50		
		16QAM	1	0	16.74	16.73	16.88	16.86	16.73	17.50	
				49	16.90	16.87	16.93	16.82	16.91	17.50	
	99			16.88	16.86	16.92	16.83	16.91	17.50		
	50		0	15.64	15.60	15.67	15.54	15.62	16.50		
			24	15.67	15.66	15.70	15.67	15.67	16.50		
			50	15.57	15.59	15.71	15.56	15.57	16.50		
	100		0	15.62	15.56	15.68	15.62	15.58	16.50		
	64QAM		1	0	15.80	15.81	15.83	15.80	15.81	16.50	
				49	15.74	15.82	15.89	15.78	15.76	16.50	
		99		15.76	15.80	15.88	15.81	15.76	16.50		
		50	0	14.62	14.54	14.68	14.57	14.64	15.50		
			24	14.57	14.58	14.70	14.64	14.65	15.50		
			50	14.61	14.68	14.74	14.59	14.65	15.50		
		100	0	14.58	14.62	14.69	14.65	14.55	15.50		
		Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
		Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
	15	QPSK	1	0	17.72	17.67	17.76	17.75	17.55	18.50	
37				17.54	17.60	17.61	17.51	17.66	18.50		
74				17.53	17.57	17.60	17.56	17.57	18.50		
36			0	16.60	16.60	16.70	16.61	16.61	17.50		
			20	16.44	16.46	16.53	16.50	16.53	17.50		
			39	16.59	16.45	16.56	16.53	16.38	17.50		
75			0	16.48	16.43	16.48	16.53	16.45	17.50		
16QAM			1	0	16.60	16.64	16.87	16.84	16.65	17.50	
				37	16.79	16.72	16.84	16.77	16.80	17.50	
		74		16.79	16.73	16.84	16.68	16.90	17.50		
		36	0	15.63	15.54	15.63	15.46	15.53	16.50		
			20	15.53	15.51	15.63	15.64	15.65	16.50		
			39	15.43	15.58	15.58	15.42	15.53	16.50		
		75	0	15.52	15.41	15.64	15.59	15.53	16.50		
		64QAM	1	0	15.74	15.75	15.77	15.76	15.66	16.50	
				37	15.60	15.75	15.80	15.74	15.70	16.50	
74				15.64	15.70	15.82	15.77	15.61	16.50		
36			0	14.61	14.50	14.63	14.48	14.50	15.50		
			20	14.46	14.55	14.67	14.61	14.51	15.50		
			39	14.58	14.66	14.73	14.48	14.53	15.50		
75			0	14.52	14.61	14.63	14.57	14.42	15.50		

Channel				39700	40160	40620	41080	41540	Tune-up limit
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)
10	QPSK	1	0	17.60	17.62	17.76	17.69	17.60	18.50
			25	17.51	17.66	17.69	17.53	17.58	18.50
			49	17.60	17.52	17.63	17.51	17.55	18.50
		25	0	16.50	16.61	16.72	16.56	16.65	17.50
			12	16.49	16.48	16.53	16.58	16.63	17.50
			25	16.58	16.51	16.61	16.50	16.40	17.50
		50	0	16.53	16.41	16.41	16.59	16.45	17.50
	16QAM	1	0	16.72	16.60	16.81	16.81	16.64	17.50
			25	16.87	16.85	16.89	16.73	16.76	17.50
			49	16.84	16.79	16.80	16.72	16.88	17.50
		25	0	15.56	15.46	15.55	15.48	15.60	16.50
			12	15.60	15.56	15.67	15.64	15.59	16.50
			25	15.46	15.46	15.57	15.45	15.53	16.50
		50	0	15.54	15.51	15.56	15.55	15.55	16.50
	64QAM	1	0	15.72	15.69	15.77	15.78	15.66	16.50
			25	15.64	15.78	15.75	15.64	15.62	16.50
			49	15.69	15.69	15.76	15.69	15.67	16.50
		25	0	14.60	14.41	14.65	14.51	14.57	15.50
			12	14.52	14.55	14.67	14.50	14.51	15.50
			25	14.54	14.61	14.64	14.52	14.63	15.50
		50	0	14.53	14.54	14.67	14.57	14.49	15.50
Channel				39675	40148	40620	41093	41565	Tune-up limit
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	(dBm)
5	QPSK	1	0	17.72	17.67	17.77	17.65	17.61	18.50
			12	17.58	17.67	17.70	17.53	17.58	18.50
			24	17.60	17.63	17.63	17.45	17.56	18.50
		12	0	16.56	16.52	16.70	16.54	16.59	17.50
			7	16.52	16.50	16.56	16.52	16.56	17.50
			13	16.53	16.43	16.55	16.61	16.43	17.50
		25	0	16.52	16.44	16.46	16.59	16.49	17.50
	16QAM	1	0	16.64	16.72	16.74	16.76	16.69	17.50
			12	16.75	16.75	16.80	16.79	16.87	17.50
			24	16.81	16.76	16.89	16.71	16.77	17.50
		12	0	15.56	15.56	15.56	15.46	15.61	16.50
			7	15.66	15.63	15.69	15.55	15.58	16.50
			13	15.42	15.55	15.56	15.43	15.50	16.50
		25	0	15.51	15.55	15.56	15.54	15.57	16.50
	64QAM	1	0	15.75	15.80	15.74	15.70	15.80	16.50
			12	15.64	15.77	15.85	15.68	15.73	16.50
			24	15.64	15.78	15.78	15.67	15.74	16.50
		12	0	14.58	14.53	14.65	14.45	14.52	15.50
			7	14.54	14.47	14.58	14.54	14.54	15.50
			13	14.47	14.61	14.63	14.58	14.61	15.50
		25	0	14.46	14.55	14.62	14.57	14.42	15.50

8.3.11 LTE Band42 Output Power

LTE B42 ANT0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				41690	42140	42590	43040	43490	
Frequency (MHz)				3410	3455	3500	3545	3590	
20	1	0	QPSK	19.88	20.16	20.46	20.25	19.92	21.00
		49	QPSK	20.26	20.17	20.37	20.09	19.95	21.00
		99	QPSK	20.39	20.18	20.34	20.18	19.98	21.00
	50	0	QPSK	19.11	19.13	19.33	19.09	18.87	20.00
		24	QPSK	19.23	19.07	19.25	19.16	18.91	20.00
		50	QPSK	19.24	19.17	19.23	19.06	18.93	20.00
	100	0	QPSK	19.26	19.15	19.26	19.09	18.90	20.00
20	1	0	16QAM	19.35	19.36	19.52	19.30	19.30	20.00
		49	16QAM	19.59	19.33	19.63	19.35	19.34	20.00
		99	16QAM	19.69	19.32	19.55	19.27	19.37	20.00
	50	0	16QAM	18.07	18.17	18.33	18.07	17.91	19.00
		24	16QAM	18.19	18.17	18.34	18.16	17.91	19.00
		50	16QAM	18.25	18.10	18.36	18.17	17.96	19.00
	100	0	16QAM	18.21	18.11	18.33	18.08	17.88	19.00
20	1	0	64QAM	18.60	18.24	18.48	18.20	18.26	19.00
		49	64QAM	18.80	18.34	18.55	18.25	18.33	19.00
		99	64QAM	18.92	18.25	18.52	18.30	18.32	19.00
	50	0	64QAM	17.13	17.08	17.36	17.10	16.92	18.00
		24	64QAM	17.25	17.08	17.34	17.13	16.93	18.00
		50	64QAM	17.32	17.21	17.37	17.11	16.96	18.00
	100	0	64QAM	17.20	17.16	17.32	17.16	16.93	18.00
Channel				41665	42128	42590	43053	43515	Tune-up limit (dBm)
Frequency (MHz)				3407.5	3453.8	3500	3546.3	3592.5	
15	1	0	QPSK	19.76	20.03	20.37	20.10	19.90	21.00
		37	QPSK	20.22	20.05	20.28	20.01	19.90	21.00
		74	QPSK	20.36	20.08	20.31	20.12	19.85	21.00
	36	0	QPSK	19.09	18.98	19.31	18.96	18.86	20.00
		20	QPSK	19.11	19.06	19.22	19.06	18.83	20.00
		39	QPSK	19.21	19.05	19.20	19.02	18.87	20.00
	75	0	QPSK	19.19	19.00	19.25	18.94	18.86	20.00
15	1	0	16QAM	19.25	19.34	19.40	19.15	19.26	20.00
		37	16QAM	19.57	19.30	19.57	19.28	19.28	20.00
		74	16QAM	19.68	19.18	19.52	19.13	19.22	20.00
	36	0	16QAM	18.01	18.02	18.21	18.06	17.89	19.00
		20	16QAM	18.09	18.02	18.32	18.02	17.88	19.00
		39	16QAM	18.16	18.03	18.25	18.15	17.85	19.00
	75	0	16QAM	18.16	18.04	18.26	18.07	17.81	19.00
15	1	0	64QAM	18.52	18.15	18.39	18.08	18.17	19.00
		37	64QAM	18.76	18.26	18.46	18.15	18.20	19.00
		74	64QAM	18.91	18.17	18.42	18.22	18.25	19.00
	36	0	64QAM	16.99	17.07	17.24	17.08	16.84	18.00
		20	64QAM	17.12	17.03	17.19	17.04	16.83	18.00
		39	64QAM	17.28	17.18	17.36	17.00	16.91	18.00
	75	0	64QAM	17.07	17.09	17.29	17.02	16.79	18.00

Channel				41640	42115	42590	43065	43540	Tune-up limit (dBm)
Frequency (MHz)				3405	3452.5	3500	3547.5	3595	
10	1	0	QPSK	19.77	20.08	20.42	20.20	19.88	21.00
		25	QPSK	20.17	20.02	20.30	20.04	19.85	21.00
		49	QPSK	20.28	20.08	20.33	20.11	19.84	21.00
	25	0	QPSK	19.07	19.07	19.34	18.95	18.75	20.00
		12	QPSK	19.13	19.00	19.23	19.13	18.82	20.00
		25	QPSK	19.26	19.16	19.21	19.01	18.89	20.00
	50	0	QPSK	19.25	19.10	19.30	19.02	18.86	20.00
10	1	0	16QAM	19.28	19.26	19.39	19.28	19.23	20.00
		25	16QAM	19.44	19.32	19.62	19.34	19.30	20.00
		49	16QAM	19.66	19.30	19.47	19.20	19.22	20.00
	25	0	16QAM	18.04	18.04	18.20	17.96	17.90	19.00
		12	16QAM	18.14	18.05	18.23	18.01	17.90	19.00
		25	16QAM	18.18	18.07	18.22	18.14	17.81	19.00
	50	0	16QAM	18.15	18.03	18.23	18.07	17.79	19.00
10	1	0	64QAM	18.47	18.10	18.42	18.12	18.19	19.00
		25	64QAM	18.71	18.28	18.50	18.12	18.26	19.00
		49	64QAM	18.81	18.23	18.50	18.17	18.31	19.00
	25	0	64QAM	17.04	16.95	17.21	17.02	16.87	18.00
		12	64QAM	17.24	16.97	17.32	16.99	16.92	18.00
		25	64QAM	17.17	17.06	17.22	17.08	16.94	18.00
	50	0	64QAM	17.16	17.03	17.30	17.04	16.84	18.00
Channel				41615	42103	42590	43078	43565	Tune-up limit (dBm)
Frequency (MHz)				3402.5	3451.3	3500	3548.8	3597.5	
5	1	0	QPSK	19.76	20.03	20.42	20.15	19.82	21.00
		12	QPSK	20.16	20.10	20.24	20.07	19.90	21.00
		24	QPSK	20.31	20.06	20.29	20.16	19.89	21.00
	12	0	QPSK	19.06	19.00	19.33	19.04	18.78	20.00
		7	QPSK	19.12	19.06	19.22	19.15	18.87	20.00
		13	QPSK	19.25	19.06	19.27	18.95	18.81	20.00
	25	0	QPSK	19.11	19.09	19.33	18.99	18.77	20.00
5	1	0	16QAM	19.20	19.35	19.45	19.16	19.16	20.00
		12	16QAM	19.54	19.27	19.59	19.33	19.31	20.00
		24	16QAM	19.54	19.19	19.53	19.16	19.32	20.00
	12	0	16QAM	18.03	18.10	18.19	18.00	17.86	19.00
		7	16QAM	18.18	18.03	18.24	18.03	17.83	19.00
		13	16QAM	18.18	18.07	18.21	18.14	17.93	19.00
	25	0	16QAM	18.17	17.99	18.18	17.93	17.87	19.00
5	1	0	64QAM	18.49	18.09	18.34	18.14	18.17	19.00
		12	64QAM	18.72	18.25	18.47	18.11	18.28	19.00
		24	64QAM	18.85	18.11	18.37	18.22	18.31	19.00
	12	0	64QAM	17.00	17.02	17.24	16.96	16.85	18.00
		7	64QAM	17.23	16.94	17.24	17.12	16.92	18.00
		13	64QAM	17.26	17.09	17.27	17.01	16.93	18.00
	25	0	64QAM	17.09	17.05	17.31	17.06	16.84	18.00

8.3.11 LTE Band42 Output Power

LTE B42 ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				41690	42140	42590	43040	43490	
Frequency (MHz)				3410	3455	3500	3545	3590	
20	1	0	QPSK	19.15	18.95	19.27	19.03	18.55	20.00
		49	QPSK	19.12	18.86	19.13	18.80	18.58	20.00
		99	QPSK	19.13	18.92	19.14	18.87	18.60	20.00
	50	0	QPSK	18.04	17.94	18.26	18.03	17.50	19.00
		24	QPSK	18.18	17.85	18.05	17.74	17.52	19.00
		50	QPSK	18.13	17.75	18.04	17.81	17.53	19.00
	100	0	QPSK	18.17	17.78	18.03	17.73	17.50	19.00
20	1	0	16QAM	18.34	17.98	18.22	17.93	17.92	19.00
		49	16QAM	18.51	17.95	18.27	18.07	17.93	19.00
		99	16QAM	18.66	17.96	18.18	17.95	17.98	19.00
	50	0	16QAM	17.05	16.70	17.03	16.82	16.51	18.00
		24	16QAM	17.14	16.73	17.02	16.79	16.54	18.00
		50	16QAM	17.22	16.76	17.02	16.70	16.54	18.00
	100	0	16QAM	17.14	16.84	17.03	16.78	16.52	18.00
20	1	0	64QAM	17.56	16.97	17.17	16.93	16.89	18.00
		49	64QAM	17.74	16.98	17.21	16.91	16.94	18.00
		99	64QAM	17.86	16.83	17.15	16.93	16.95	18.00
	50	0	64QAM	16.08	15.68	16.01	15.73	15.53	17.00
		24	64QAM	16.17	15.69	16.02	15.71	15.55	17.00
		50	64QAM	16.27	15.69	15.99	15.72	15.54	17.00
	100	0	64QAM	16.16	15.74	15.99	15.77	15.54	17.00
Channel				41665	42128	42590	43053	43515	Tune-up limit (dBm)
Frequency (MHz)				3407.5	3453.8	3500	3546.3	3592.5	
15	1	0	QPSK	19.05	18.85	19.22	18.95	18.43	20.00
		37	QPSK	18.99	18.74	19.00	18.65	18.53	20.00
		74	QPSK	19.10	18.91	19.01	18.79	18.54	20.00
	36	0	QPSK	17.98	17.86	18.20	17.96	17.38	19.00
		20	QPSK	18.17	17.82	17.93	17.66	17.51	19.00
		39	QPSK	18.04	17.61	17.98	17.79	17.44	19.00
	75	0	QPSK	18.13	17.68	17.98	17.59	17.46	19.00
15	1	0	16QAM	18.20	17.89	18.17	17.78	17.88	19.00
		37	16QAM	18.42	17.92	18.17	17.98	17.80	19.00
		74	16QAM	18.62	17.88	18.09	17.81	17.89	19.00
	36	0	16QAM	16.99	16.67	16.89	16.78	16.44	18.00
		20	16QAM	17.03	16.59	16.88	16.72	16.45	18.00
		39	16QAM	17.15	16.61	16.98	16.58	16.45	18.00
	75	0	16QAM	17.00	16.73	16.89	16.71	16.38	18.00
15	1	0	64QAM	17.51	16.92	17.09	16.78	16.74	18.00
		37	64QAM	17.61	16.91	17.08	16.89	16.88	18.00
		74	64QAM	17.77	16.69	17.11	16.82	16.87	18.00
	36	0	64QAM	15.97	15.62	15.92	15.67	15.45	17.00
		20	64QAM	16.15	15.65	15.88	15.63	15.54	17.00
		39	64QAM	16.24	15.64	15.89	15.60	15.44	17.00
	75	0	64QAM	16.12	15.64	15.95	15.68	15.39	17.00

Channel				41640	42115	42590	43065	43540	Tune-up limit (dBm)
Frequency (MHz)				3405	3452.5	3500	3547.5	3595	
10	1	0	QPSK	19.07	18.88	19.18	19.01	18.51	20.00
		25	QPSK	19.09	18.84	19.00	18.74	18.53	20.00
		49	QPSK	18.99	18.84	19.02	18.79	18.53	20.00
	25	0	QPSK	17.99	17.93	18.21	17.97	17.48	19.00
		12	QPSK	18.10	17.79	17.91	17.60	17.51	19.00
		25	QPSK	18.05	17.64	17.94	17.74	17.42	19.00
	50	0	QPSK	18.05	17.66	17.98	17.58	17.39	19.00
10	1	0	16QAM	18.23	17.90	18.18	17.83	17.79	19.00
		25	16QAM	18.46	17.89	18.23	17.98	17.86	19.00
		49	16QAM	18.62	17.81	18.06	17.85	17.97	19.00
	25	0	16QAM	16.95	16.62	16.96	16.71	16.43	18.00
		12	16QAM	17.00	16.71	16.97	16.71	16.52	18.00
		25	16QAM	17.17	16.72	16.89	16.63	16.41	18.00
	50	0	16QAM	17.10	16.72	16.88	16.76	16.49	18.00
10	1	0	64QAM	17.54	16.95	17.13	16.82	16.75	18.00
		25	64QAM	17.59	16.92	17.08	16.79	16.79	18.00
		49	64QAM	17.85	16.72	17.10	16.81	16.86	18.00
	25	0	64QAM	16.07	15.61	16.00	15.62	15.45	17.00
		12	64QAM	16.13	15.59	15.91	15.56	15.50	17.00
		25	64QAM	16.13	15.58	15.86	15.68	15.48	17.00
	50	0	64QAM	16.10	15.69	15.88	15.64	15.53	17.00
Channel				41615	42103	42590	43078	43565	Tune-up limit (dBm)
Frequency (MHz)				3402.5	3451.3	3500	3548.8	3597.5	
5	1	0	QPSK	19.05	18.80	19.26	18.98	18.44	20.00
		12	QPSK	18.97	18.83	19.06	18.65	18.54	20.00
		24	QPSK	19.09	18.77	19.03	18.75	18.52	20.00
	12	0	QPSK	17.99	17.81	18.16	17.88	17.43	19.00
		7	QPSK	18.12	17.79	18.01	17.64	17.37	19.00
		13	QPSK	18.07	17.61	17.99	17.74	17.38	19.00
	25	0	QPSK	18.09	17.65	17.88	17.58	17.37	19.00
5	1	0	16QAM	18.24	17.93	18.10	17.87	17.87	19.00
		12	16QAM	18.50	17.88	18.17	18.02	17.90	19.00
		24	16QAM	18.65	17.90	18.10	17.85	17.96	19.00
	12	0	16QAM	16.97	16.65	16.97	16.70	16.46	18.00
		7	16QAM	17.04	16.70	16.93	16.68	16.40	18.00
		13	16QAM	17.12	16.62	17.01	16.66	16.39	18.00
	25	0	16QAM	17.10	16.80	16.89	16.67	16.51	18.00
5	1	0	64QAM	17.51	16.92	17.09	16.84	16.76	18.00
		12	64QAM	17.72	16.89	17.10	16.80	16.81	18.00
		24	64QAM	17.85	16.76	17.12	16.84	16.83	18.00
	12	0	64QAM	15.96	15.66	15.88	15.61	15.44	17.00
		7	64QAM	16.09	15.54	15.91	15.56	15.48	17.00
		13	64QAM	16.23	15.56	15.98	15.67	15.44	17.00
	25	0	64QAM	16.07	15.73	15.90	15.63	15.47	17.00

8.3.11 LTE Band42 Output Power

LTE B42 ANT4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				41690	42140	42590	43040	43490	
Frequency (MHz)				3410	3455	3500	3545	3590	
20	1	0	QPSK	15.40	15.58	15.81	15.57	14.86	16.50
		49	QPSK	15.51	15.39	15.67	15.44	14.84	16.50
		99	QPSK	15.44	15.41	15.74	15.55	14.85	16.50
	50	0	QPSK	14.56	14.40	14.71	14.39	13.80	15.50
		24	QPSK	14.51	14.26	14.52	14.29	13.80	15.50
		50	QPSK	14.55	14.27	14.50	14.31	13.81	15.50
	100	0	QPSK	14.66	14.28	14.50	14.17	13.80	15.50
20	1	0	16QAM	14.80	14.51	14.73	14.51	14.24	15.50
		49	16QAM	15.01	14.51	14.79	14.58	14.22	15.50
		99	16QAM	15.09	14.46	14.67	14.39	14.24	15.50
	50	0	16QAM	13.52	13.30	13.52	13.22	12.81	14.50
		24	16QAM	13.62	13.24	13.52	13.29	12.82	14.50
		50	16QAM	13.69	13.21	13.50	13.19	12.81	14.50
	100	0	16QAM	13.65	13.18	13.49	13.16	12.78	14.50
20	1	0	64QAM	14.04	13.38	13.69	13.46	13.19	14.50
		49	64QAM	14.24	13.47	13.73	13.40	13.21	14.50
		99	64QAM	14.35	13.33	13.65	13.44	13.18	14.50
	50	0	64QAM	12.55	12.29	12.53	12.28	11.82	13.50
		24	64QAM	12.66	12.28	12.52	12.33	11.82	13.50
		50	64QAM	12.72	12.29	12.51	12.29	11.83	13.50
	100	0	64QAM	12.60	12.29	12.48	12.18	11.83	13.50
Channel				41665	42128	42590	43053	43515	Tune-up limit (dBm)
Frequency (MHz)				3407.5	3453.8	3500	3546.3	3592.5	
15	1	0	QPSK	15.28	15.55	15.70	15.47	14.73	20.50
		37	QPSK	15.41	15.36	15.59	15.29	14.74	20.50
		74	QPSK	15.37	15.40	15.67	15.42	14.76	20.50
	36	0	QPSK	14.44	14.38	14.65	14.31	13.74	19.50
		20	QPSK	14.47	14.18	14.44	14.19	13.75	19.50
		39	QPSK	14.43	14.24	14.48	14.30	13.70	19.50
	75	0	QPSK	14.51	14.22	14.36	14.13	13.76	19.50
15	1	0	16QAM	14.79	14.39	14.70	14.49	14.18	19.50
		37	16QAM	14.94	14.37	14.66	14.48	14.16	19.50
		74	16QAM	15.07	14.38	14.54	14.27	14.11	19.50
	36	0	16QAM	13.39	13.18	13.43	13.08	12.66	18.50
		20	16QAM	13.60	13.22	13.51	13.21	12.75	18.50
		39	16QAM	13.61	13.11	13.40	13.13	12.73	18.50
	75	0	16QAM	13.61	13.07	13.36	13.04	12.74	18.50
15	1	0	64QAM	13.91	13.30	13.59	13.36	13.06	18.50
		37	64QAM	14.10	13.43	13.65	13.33	13.08	18.50
		74	64QAM	14.33	13.20	13.63	13.43	13.05	18.50
	36	0	64QAM	12.51	12.25	12.51	12.17	11.72	17.50
		20	64QAM	12.59	12.20	12.37	12.32	11.81	17.50
		39	64QAM	12.62	12.24	12.41	12.23	11.81	17.50
	75	0	64QAM	12.47	12.23	12.46	12.07	11.69	17.50

Channel				41640	42115	42590	43065	43540	Tune-up limit (dBm)
Frequency (MHz)				3405	3452.5	3500	3547.5	3595	
10	1	0	QPSK	15.39	15.47	15.76	15.47	14.83	20.50
		25	QPSK	15.37	15.32	15.53	15.40	14.76	20.50
		49	QPSK	15.38	15.33	15.64	15.52	14.76	20.50
	25	0	QPSK	14.53	14.33	14.60	14.33	13.78	19.50
		12	QPSK	14.48	14.13	14.49	14.19	13.79	19.50
		25	QPSK	14.43	14.24	14.49	14.20	13.74	19.50
	50	0	QPSK	14.55	14.19	14.48	14.07	13.65	19.50
10	1	0	16QAM	14.68	14.36	14.62	14.49	14.23	19.50
		25	16QAM	14.97	14.40	14.75	14.51	14.14	19.50
		49	16QAM	15.02	14.39	14.55	14.31	14.12	19.50
	25	0	16QAM	13.43	13.19	13.43	13.14	12.66	18.50
		12	16QAM	13.55	13.11	13.40	13.23	12.70	18.50
		25	16QAM	13.66	13.16	13.45	13.06	12.80	18.50
	50	0	16QAM	13.64	13.17	13.41	13.14	12.72	18.50
10	1	0	64QAM	14.01	13.27	13.56	13.37	13.18	18.50
		25	64QAM	14.21	13.44	13.61	13.25	13.15	18.50
		49	64QAM	14.20	13.31	13.50	13.32	13.05	18.50
	25	0	64QAM	12.51	12.19	12.48	12.24	11.68	17.50
		12	64QAM	12.62	12.18	12.45	12.18	11.76	17.50
		25	64QAM	12.68	12.19	12.36	12.20	11.79	17.50
	50	0	64QAM	12.52	12.19	12.45	12.14	11.77	17.50
Channel				41615	42103	42590	43078	43565	Tune-up limit (dBm)
Frequency (MHz)				3402.5	3451.3	3500	3548.8	3597.5	
5	1	0	QPSK	15.26	15.49	15.77	15.43	14.77	20.50
		12	QPSK	15.48	15.36	15.64	15.31	14.72	20.50
		24	QPSK	15.38	15.37	15.59	15.40	14.84	20.50
	12	0	QPSK	14.47	14.34	14.67	14.31	13.74	19.50
		7	QPSK	14.38	14.12	14.45	14.14	13.78	19.50
		13	QPSK	14.41	14.16	14.49	14.26	13.75	19.50
	25	0	QPSK	14.56	14.20	14.46	14.04	13.77	19.50
5	1	0	16QAM	14.68	14.48	14.67	14.40	14.18	19.50
		12	16QAM	14.94	14.42	14.69	14.47	14.12	19.50
		24	16QAM	15.01	14.34	14.57	14.25	14.20	19.50
	12	0	16QAM	13.50	13.20	13.45	13.20	12.74	18.50
		7	16QAM	13.54	13.22	13.45	13.27	12.70	18.50
		13	16QAM	13.58	13.14	13.38	13.18	12.71	18.50
	25	0	16QAM	13.63	13.13	13.41	13.10	12.66	18.50
5	1	0	64QAM	13.93	13.36	13.66	13.40	13.15	18.50
		12	64QAM	14.20	13.42	13.66	13.32	13.07	18.50
		24	64QAM	14.24	13.21	13.60	13.36	13.11	18.50
	12	0	64QAM	12.44	12.25	12.49	12.18	11.74	17.50
		7	64QAM	12.60	12.13	12.41	12.32	11.81	17.50
		13	64QAM	12.63	12.25	12.38	12.18	11.80	17.50
	25	0	64QAM	12.49	12.14	12.39	12.10	11.81	17.50

8.3.11 LTE Band42 Output Power

LTE B42 ANT6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				41690	42140	42590	43040	43490	
Frequency (MHz)				3410	3455	3500	3545	3590	
20	1	0	QPSK	16.71	16.56	16.75	16.49	15.83	17.50
		49	QPSK	16.63	16.49	16.67	16.44	15.84	17.50
		99	QPSK	16.63	16.48	16.66	16.44	15.82	17.50
	50	0	QPSK	15.60	15.40	15.78	15.34	14.77	16.50
		24	QPSK	15.57	15.46	15.65	15.45	14.78	16.50
		50	QPSK	15.63	15.44	15.62	15.36	14.76	16.50
	100	0	QPSK	15.63	15.44	15.64	15.36	14.76	16.50
20	1	0	16QAM	16.11	15.56	15.87	15.57	15.21	16.50
		49	16QAM	16.34	15.71	15.92	15.62	15.21	16.50
		99	16QAM	16.40	15.58	15.80	15.55	15.20	16.50
	50	0	16QAM	14.83	14.40	14.66	14.40	13.79	15.50
		24	16QAM	14.94	14.34	14.65	14.39	13.79	15.50
		50	16QAM	14.98	14.33	14.62	14.30	13.79	15.50
	100	0	16QAM	14.92	14.42	14.62	14.38	13.77	15.50
20	1	0	64QAM	15.36	14.61	14.85	14.62	14.18	15.50
		49	64QAM	15.57	14.54	14.86	14.61	14.19	15.50
		99	64QAM	15.63	14.52	14.77	14.50	14.15	15.50
	50	0	64QAM	13.87	13.41	13.70	13.42	12.79	14.50
		24	64QAM	13.95	13.44	13.66	13.46	12.80	14.50
		50	64QAM	14.02	13.34	13.61	13.37	12.79	14.50
	100	0	64QAM	13.93	13.42	13.64	13.45	12.79	14.50
Channel				41665	42128	42590	43053	43515	Tune-up limit (dBm)
Frequency (MHz)				3407.5	3453.8	3500	3546.3	3592.5	
15	1	0	QPSK	16.62	16.47	16.71	16.36	15.78	21.50
		37	QPSK	16.57	16.41	16.57	16.42	15.75	21.50
		74	QPSK	16.57	16.43	16.65	16.36	15.67	21.50
	36	0	QPSK	15.51	15.25	15.76	15.32	14.73	20.50
		20	QPSK	15.45	15.31	15.52	15.35	14.77	20.50
		39	QPSK	15.58	15.36	15.55	15.24	14.61	20.50
	75	0	QPSK	15.58	15.39	15.49	15.29	14.70	20.50
15	1	0	16QAM	15.99	15.55	15.83	15.53	15.19	20.50
		37	16QAM	16.25	15.70	15.89	15.47	15.15	20.50
		74	16QAM	16.29	15.50	15.78	15.40	15.06	20.50
	36	0	16QAM	14.79	14.26	14.53	14.37	13.76	19.50
		20	16QAM	14.82	14.20	14.64	14.37	13.67	19.50
		39	16QAM	14.85	14.21	14.53	14.22	13.74	19.50
	75	0	16QAM	14.84	14.37	14.54	14.25	13.69	19.50
15	1	0	64QAM	15.26	14.56	14.81	14.49	14.16	19.50
		37	64QAM	15.48	14.43	14.82	14.46	14.15	19.50
		74	64QAM	15.56	14.43	14.65	14.41	14.12	19.50
	36	0	64QAM	13.84	13.40	13.59	13.32	12.73	18.50
		20	64QAM	13.90	13.36	13.65	13.45	12.73	18.50
		39	64QAM	13.99	13.24	13.59	13.32	12.74	18.50
	75	0	64QAM	13.87	13.28	13.54	13.35	12.64	18.50

Channel				41640	42115	42590	43065	43540	Tune-up limit (dBm)
Frequency (MHz)				3405	3452.5	3500	3547.5	3595	
10	1	0	QPSK	16.65	16.46	16.67	16.41	15.68	21.50
		25	QPSK	16.58	16.43	16.61	16.40	15.77	21.50
		49	QPSK	16.50	16.40	16.62	16.30	15.69	21.50
	25	0	QPSK	15.47	15.36	15.75	15.23	14.66	20.50
		12	QPSK	15.44	15.35	15.56	15.33	14.71	20.50
		25	QPSK	15.50	15.31	15.48	15.25	14.68	20.50
	50	0	QPSK	15.59	15.32	15.50	15.31	14.64	20.50
10	1	0	16QAM	16.04	15.55	15.72	15.52	15.19	20.50
		25	16QAM	16.22	15.67	15.83	15.57	15.09	20.50
		49	16QAM	16.34	15.49	15.66	15.44	15.09	20.50
	25	0	16QAM	14.69	14.33	14.65	14.31	13.76	19.50
		12	16QAM	14.82	14.32	14.62	14.27	13.64	19.50
		25	16QAM	14.93	14.28	14.60	14.28	13.74	19.50
	50	0	16QAM	14.89	14.34	14.50	14.24	13.74	19.50
10	1	0	64QAM	15.26	14.57	14.71	14.56	14.07	19.50
		25	64QAM	15.42	14.49	14.79	14.49	14.13	19.50
		49	64QAM	15.62	14.37	14.65	14.43	14.09	19.50
	25	0	64QAM	13.78	13.38	13.66	13.30	12.65	18.50
		12	64QAM	13.87	13.35	13.59	13.37	12.72	18.50
		25	64QAM	13.98	13.32	13.56	13.35	12.74	18.50
	50	0	64QAM	13.91	13.31	13.61	13.40	12.72	18.50
Channel				41615	42103	42590	43078	43565	Tune-up limit (dBm)
Frequency (MHz)				3402.5	3451.3	3500	3548.8	3597.5	
5	1	0	QPSK	16.66	16.44	16.70	16.46	15.68	21.50
		12	QPSK	16.59	16.40	16.66	16.29	15.72	21.50
		24	QPSK	16.59	16.45	16.51	16.39	15.73	21.50
	12	0	QPSK	15.45	15.39	15.75	15.19	14.75	20.50
		7	QPSK	15.53	15.32	15.64	15.32	14.69	20.50
		13	QPSK	15.52	15.36	15.52	15.26	14.74	20.50
	25	0	QPSK	15.59	15.40	15.61	15.28	14.63	20.50
5	1	0	16QAM	15.96	15.52	15.74	15.42	15.12	20.50
		12	16QAM	16.25	15.58	15.80	15.49	15.06	20.50
		24	16QAM	16.27	15.57	15.78	15.51	15.05	20.50
	12	0	16QAM	14.76	14.29	14.59	14.32	13.73	19.50
		7	16QAM	14.87	14.20	14.50	14.30	13.67	19.50
		13	16QAM	14.87	14.18	14.54	14.26	13.74	19.50
	25	0	16QAM	14.79	14.38	14.51	14.27	13.69	19.50
5	1	0	64QAM	15.27	14.48	14.81	14.57	14.04	19.50
		12	64QAM	15.51	14.39	14.71	14.56	14.14	19.50
		24	64QAM	15.53	14.46	14.76	14.43	14.02	19.50
	12	0	64QAM	13.85	13.40	13.59	13.33	12.75	18.50
		7	64QAM	13.86	13.35	13.54	13.42	12.65	18.50
		13	64QAM	13.89	13.27	13.53	13.30	12.73	18.50
	25	0	64QAM	13.81	13.38	13.57	13.31	12.65	18.50

8.3.12 LTE Band43 Output Power

LTE B43 ANT0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44140	44590	45040	45490	
Frequency (MHz)				3610	3655	3700	3745	3790	
20	1	0	QPSK	19.76	19.98	20.26	20.02	20.11	20.50
		49	QPSK	19.83	19.80	20.12	19.91	20.17	20.50
		99	QPSK	19.88	19.69	19.97	19.75	20.09	20.50
	50	0	QPSK	18.83	18.94	19.22	18.91	19.05	19.50
		24	QPSK	18.85	18.74	18.99	18.73	19.13	19.50
		50	QPSK	18.87	18.65	18.93	18.71	19.14	19.50
	100	0	QPSK	18.85	18.73	18.99	18.79	19.12	19.50
20	1	0	16QAM	19.09	19.00	19.22	18.99	19.47	19.50
		49	16QAM	19.18	19.01	19.24	18.92	19.52	19.50
		99	16QAM	19.19	18.76	19.07	18.75	19.69	19.50
	50	0	16QAM	17.81	17.83	18.03	17.71	18.08	18.50
		24	16QAM	17.84	17.73	17.99	17.72	18.14	18.50
		50	16QAM	17.85	17.74	17.94	17.74	18.21	18.50
	100	0	16QAM	17.83	17.77	17.97	17.71	18.15	18.50
20	1	0	64QAM	18.35	17.92	18.14	17.93	18.44	18.50
		49	64QAM	18.38	17.85	18.15	17.94	18.48	18.50
		99	64QAM	18.43	17.80	18.00	17.69	18.65	18.50
	50	0	64QAM	16.86	16.84	17.05	16.81	17.10	17.50
		24	64QAM	16.88	16.76	17.01	16.70	17.13	17.50
		50	64QAM	16.90	16.77	16.96	16.73	17.22	17.50
	100	0	64QAM	16.84	16.66	16.98	16.72	17.17	17.50
Channel				43665	44128	44590	45053	45515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3653.8	3700	3746.3	3792.5	
15	1	0	QPSK	19.74	19.95	20.16	19.92	20.01	20.50
		37	QPSK	19.82	19.77	20.09	19.89	20.09	20.50
		74	QPSK	19.86	19.64	19.94	19.73	20.04	20.50
	36	0	QPSK	18.80	18.82	19.21	18.88	18.96	19.50
		20	QPSK	18.73	18.63	18.88	18.60	19.02	19.50
		39	QPSK	18.80	18.53	18.90	18.63	19.01	19.50
	75	0	QPSK	18.81	18.63	18.93	18.68	19.02	19.50
15	1	0	16QAM	18.99	18.85	19.08	18.97	19.43	19.50
		37	16QAM	19.11	18.98	19.21	18.77	19.50	19.50
		74	16QAM	19.15	18.75	18.93	18.73	19.65	19.50
	36	0	16QAM	17.70	17.68	18.01	17.65	17.98	18.50
		20	16QAM	17.79	17.68	17.87	17.71	18.08	18.50
		39	16QAM	17.70	17.59	17.83	17.63	18.14	18.50
	75	0	16QAM	17.81	17.68	17.82	17.61	18.12	18.50
15	1	0	64QAM	18.28	17.81	18.02	17.87	18.39	18.50
		37	64QAM	18.23	17.81	18.03	17.86	18.46	18.50
		74	64QAM	18.41	17.79	17.88	17.55	18.58	18.50
	36	0	64QAM	16.71	16.81	16.99	16.69	17.04	17.50
		20	64QAM	16.80	16.72	16.95	16.58	17.01	17.50
		39	64QAM	16.76	16.67	16.84	16.69	17.19	17.50
	75	0	64QAM	16.71	16.55	16.85	16.68	17.09	17.50

Channel				43640	44115	44590	45065	45540	Tune-up limit (dBm)
Frequency (MHz)				3605	3652.5	3700	3747.5	3795	
10	1	0	QPSK	19.74	19.85	20.17	20.00	20.06	20.50
		25	QPSK	19.71	19.68	20.02	19.89	20.08	20.50
		49	QPSK	19.84	19.57	19.85	19.62	20.01	20.50
	25	0	QPSK	18.74	18.81	19.13	18.87	18.96	19.50
		12	QPSK	18.77	18.73	18.87	18.63	19.05	19.50
		25	QPSK	18.86	18.61	18.86	18.65	19.08	19.50
	50	0	QPSK	18.75	18.69	18.93	18.69	19.01	19.50
10	1	0	16QAM	19.06	18.88	19.21	18.91	19.45	19.50
		25	16QAM	19.09	18.89	19.21	18.79	19.45	19.50
		49	16QAM	19.07	18.61	18.96	18.70	19.61	19.50
	25	0	16QAM	17.68	17.69	17.96	17.70	17.94	18.50
		12	16QAM	17.71	17.70	17.90	17.71	18.08	18.50
		25	16QAM	17.74	17.60	17.88	17.59	18.12	18.50
	50	0	16QAM	17.76	17.62	17.93	17.63	18.01	18.50
10	1	0	64QAM	18.26	17.81	18.09	17.79	18.36	18.50
		25	64QAM	18.26	17.78	18.07	17.81	18.45	18.50
		49	64QAM	18.30	17.65	17.94	17.58	18.54	18.50
	25	0	64QAM	16.73	16.72	17.00	16.78	16.98	17.50
		12	64QAM	16.81	16.74	17.00	16.64	17.12	17.50
		25	64QAM	16.80	16.72	16.88	16.63	17.10	17.50
	50	0	64QAM	16.80	16.60	16.88	16.65	17.06	17.50
Channel				43615	44103	44590	45078	45565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3651.3	3700	3748.8	3797.5	
5	1	0	QPSK	19.66	19.96	20.21	19.96	19.96	20.50
		12	QPSK	19.69	19.67	20.02	19.81	20.12	20.50
		24	QPSK	19.74	19.68	19.86	19.62	19.97	20.50
	12	0	QPSK	18.69	18.88	19.14	18.79	18.92	19.50
		7	QPSK	18.70	18.62	18.90	18.67	19.04	19.50
		13	QPSK	18.81	18.56	18.92	18.59	18.99	19.50
	25	0	QPSK	18.79	18.59	18.97	18.64	19.01	19.50
5	1	0	16QAM	19.04	18.97	19.17	18.88	19.34	19.50
		12	16QAM	19.04	18.88	19.14	18.88	19.39	19.50
		24	16QAM	19.15	18.74	18.97	18.72	19.58	19.50
	12	0	16QAM	17.80	17.68	17.93	17.57	17.95	18.50
		7	16QAM	17.71	17.68	17.98	17.65	18.13	18.50
		13	16QAM	17.81	17.67	17.88	17.67	18.18	18.50
	25	0	16QAM	17.80	17.62	17.88	17.67	18.01	18.50
5	1	0	64QAM	18.28	17.85	18.01	17.89	18.40	18.50
		12	64QAM	18.25	17.74	18.13	17.89	18.40	18.50
		24	64QAM	18.37	17.70	17.99	17.56	18.55	18.50
	12	0	64QAM	16.74	16.75	16.98	16.79	17.05	17.50
		7	64QAM	16.78	16.64	16.92	16.61	17.04	17.50
		13	64QAM	16.84	16.74	16.87	16.65	17.15	17.50
	25	0	64QAM	16.78	16.65	16.87	16.66	17.04	17.50

8.3.12 LTE Band43 Output Power

LTE B43 ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44140	44590	45040	45490	
Frequency (MHz)				3610	3655	3700	3745	3790	
20	1	0	QPSK	18.38	18.74	18.93	18.61	18.78	19.50
		49	QPSK	18.50	18.51	18.81	18.62	18.85	19.50
		99	QPSK	18.50	18.54	18.76	18.49	18.82	19.50
	50	0	QPSK	17.45	17.64	17.83	17.56	17.74	18.50
		24	QPSK	17.47	17.48	17.71	17.50	17.65	18.50
		50	QPSK	17.49	17.48	17.73	17.48	17.54	18.50
	100	0	QPSK	17.46	17.40	17.67	17.47	17.82	18.50
20	1	0	16QAM	17.72	17.64	17.89	17.57	18.16	18.50
		49	16QAM	17.80	17.61	17.94	17.70	18.20	18.50
		99	16QAM	17.82	17.44	17.76	17.50	18.42	18.50
	50	0	16QAM	16.42	16.48	16.70	16.46	16.76	17.50
		24	16QAM	16.46	16.41	16.68	16.41	16.83	17.50
		50	16QAM	16.45	16.31	16.64	16.43	16.91	17.50
	100	0	16QAM	16.43	16.46	16.66	16.36	16.83	17.50
20	1	0	64QAM	16.95	16.51	16.83	16.52	17.12	17.50
		49	64QAM	17.02	16.59	16.84	16.65	17.21	17.50
		99	64QAM	17.05	16.47	16.71	16.45	17.36	17.50
	50	0	64QAM	15.48	15.39	15.71	15.49	15.77	16.50
		24	64QAM	15.47	15.41	15.68	15.48	15.82	16.50
		50	64QAM	15.46	15.31	15.62	15.40	15.92	16.50
	100	0	64QAM	15.45	15.46	15.67	15.44	15.86	16.50
Channel				43665	44128	44590	45053	45515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3653.8	3700	3746.3	3792.5	
15	1	0	QPSK	18.33	18.72	18.84	18.59	18.67	19.50
		37	QPSK	18.49	18.42	18.76	18.52	18.73	19.50
		74	QPSK	18.49	18.42	18.61	18.46	18.81	19.50
	36	0	QPSK	17.37	17.57	17.80	17.47	17.59	18.50
		20	QPSK	17.34	17.45	17.70	17.35	17.51	18.50
		39	QPSK	17.47	17.38	17.58	17.46	17.53	18.50
	75	0	QPSK	17.45	17.29	17.63	17.40	17.75	18.50
15	1	0	16QAM	17.57	17.54	17.79	17.52	18.12	18.50
		37	16QAM	17.72	17.51	17.90	17.56	18.17	18.50
		74	16QAM	17.67	17.34	17.75	17.48	18.31	18.50
	36	0	16QAM	16.27	16.45	16.65	16.33	16.72	17.50
		20	16QAM	16.36	16.31	16.55	16.31	16.70	17.50
		39	16QAM	16.33	16.21	16.55	16.35	16.90	17.50
	75	0	16QAM	16.38	16.42	16.56	16.35	16.76	17.50
15	1	0	64QAM	16.91	16.50	16.70	16.42	16.97	17.50
		37	64QAM	17.01	16.51	16.72	16.52	17.15	17.50
		74	64QAM	16.93	16.34	16.60	16.34	17.35	17.50
	36	0	64QAM	15.41	15.33	15.70	15.38	15.76	16.50
		20	64QAM	15.45	15.29	15.62	15.41	15.72	16.50
		39	64QAM	15.39	15.17	15.54	15.31	15.86	16.50
	75	0	64QAM	15.35	15.32	15.54	15.41	15.72	16.50

Channel				43640	44115	44590	45065	45540	Tune-up limit (dBm)
Frequency (MHz)				3605	3652.5	3700	3747.5	3795	
10	1	0	QPSK	18.33	18.69	18.89	18.56	18.69	19.50
		25	QPSK	18.45	18.45	18.68	18.52	18.84	19.50
		49	QPSK	18.38	18.39	18.66	18.40	18.71	19.50
	25	0	QPSK	17.39	17.58	17.72	17.52	17.60	18.50
		12	QPSK	17.40	17.44	17.69	17.45	17.58	18.50
		25	QPSK	17.34	17.38	17.61	17.33	17.51	18.50
	50	0	QPSK	17.40	17.35	17.52	17.46	17.81	18.50
10	1	0	16QAM	17.64	17.63	17.83	17.50	18.01	18.50
		25	16QAM	17.71	17.60	17.82	17.68	18.08	18.50
		49	16QAM	17.77	17.41	17.61	17.37	18.37	18.50
	25	0	16QAM	16.34	16.41	16.61	16.32	16.75	17.50
		12	16QAM	16.44	16.29	16.62	16.34	16.76	17.50
		25	16QAM	16.30	16.21	16.63	16.39	16.89	17.50
	50	0	16QAM	16.38	16.38	16.55	16.35	16.72	17.50
10	1	0	64QAM	16.92	16.48	16.74	16.39	16.98	17.50
		25	64QAM	16.91	16.57	16.80	16.57	17.06	17.50
		49	64QAM	16.94	16.34	16.60	16.44	17.35	17.50
	25	0	64QAM	15.44	15.28	15.67	15.44	15.62	16.50
		12	64QAM	15.35	15.26	15.65	15.43	15.79	16.50
		25	64QAM	15.35	15.20	15.54	15.36	15.89	16.50
	50	0	64QAM	15.37	15.35	15.64	15.41	15.73	16.50
Channel				43615	44103	44590	45078	45565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3651.3	3700	3748.8	3797.5	
5	1	0	QPSK	18.28	18.71	18.84	18.59	18.75	19.50
		12	QPSK	18.39	18.44	18.79	18.59	18.83	19.50
		24	QPSK	18.45	18.40	18.67	18.36	18.78	19.50
	12	0	QPSK	17.43	17.51	17.78	17.55	17.65	18.50
		7	QPSK	17.44	17.39	17.66	17.40	17.58	18.50
		13	QPSK	17.47	17.33	17.67	17.36	17.43	18.50
	25	0	QPSK	17.38	17.28	17.63	17.34	17.80	18.50
5	1	0	16QAM	17.70	17.53	17.75	17.43	18.14	18.50
		12	16QAM	17.75	17.58	17.84	17.61	18.11	18.50
		24	16QAM	17.81	17.43	17.71	17.45	18.27	18.50
	12	0	16QAM	16.35	16.36	16.57	16.32	16.64	17.50
		7	16QAM	16.39	16.29	16.63	16.39	16.78	17.50
		13	16QAM	16.42	16.26	16.51	16.33	16.89	17.50
	25	0	16QAM	16.28	16.45	16.51	16.26	16.72	17.50
5	1	0	64QAM	16.80	16.47	16.82	16.40	17.06	17.50
		12	64QAM	16.87	16.55	16.77	16.62	17.18	17.50
		24	64QAM	17.01	16.39	16.70	16.38	17.30	17.50
	12	0	64QAM	15.34	15.24	15.68	15.38	15.73	16.50
		7	64QAM	15.43	15.31	15.53	15.39	15.78	16.50
		13	64QAM	15.44	15.25	15.56	15.28	15.87	16.50
	25	0	64QAM	15.43	15.34	15.56	15.30	15.74	16.50

8.3.12 LTE Band43 Output Power

LTE B43 ANT4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44140	44590	45040	45490	
Frequency (MHz)				3610	3655	3700	3745	3790	
20	1	0	QPSK	14.46	14.51	14.65	14.38	14.52	15.50
		49	QPSK	14.27	14.26	14.47	14.43	14.32	15.50
		99	QPSK	14.07	14.17	14.30	14.59	14.07	15.50
	50	0	QPSK	13.27	13.29	13.47	13.32	13.33	14.50
		24	QPSK	13.21	13.26	13.38	13.38	13.13	14.50
		50	QPSK	13.09	13.17	13.32	13.45	13.12	14.50
	100	0	QPSK	13.15	13.12	13.37	13.39	13.22	14.50
20	1	0	16QAM	13.49	13.47	13.62	13.73	13.43	14.50
		49	16QAM	13.41	13.42	13.60	13.81	13.35	14.50
		99	16QAM	13.30	13.27	13.44	13.96	13.28	14.50
	50	0	16QAM	12.23	12.25	12.42	12.32	12.19	13.50
		24	16QAM	12.17	12.20	12.36	12.39	12.17	13.50
		50	16QAM	12.07	12.08	12.31	12.45	12.20	13.50
	100	0	16QAM	12.17	12.15	12.37	12.39	12.15	13.50
20	1	0	64QAM	12.36	12.42	12.57	12.71	12.46	13.50
		49	64QAM	12.35	12.31	12.53	12.78	12.30	13.50
		99	64QAM	12.23	12.28	12.39	12.93	12.26	13.50
	50	0	64QAM	11.22	11.30	11.43	11.31	11.21	12.50
		24	64QAM	11.18	11.14	11.37	11.37	11.16	12.50
		50	64QAM	11.06	11.10	11.31	11.45	11.19	12.50
	100	0	64QAM	11.25	11.14	11.36	11.39	11.15	12.50
Channel				43665	44128	44590	45053	45515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3653.8	3700	3746.3	3792.5	
15	1	0	QPSK	14.40	14.43	14.59	14.34	14.39	15.50
		37	QPSK	14.14	14.24	14.42	14.35	14.20	15.50
		74	QPSK	14.04	14.08	14.17	14.31	13.95	15.50
	36	0	QPSK	13.15	13.26	13.32	13.24	13.21	14.50
		20	QPSK	13.15	13.11	13.29	13.32	12.99	14.50
		39	QPSK	13.02	13.14	13.18	13.40	12.97	14.50
	75	0	QPSK	13.13	13.08	13.24	13.31	13.14	14.50
15	1	0	16QAM	13.38	13.42	13.54	13.70	13.39	14.50
		37	16QAM	13.28	13.40	13.45	13.68	13.22	14.50
		74	16QAM	13.24	13.17	13.37	13.91	13.22	14.50
	36	0	16QAM	12.15	12.19	12.35	12.21	12.10	13.50
		20	16QAM	12.03	12.05	12.30	12.36	12.13	13.50
		39	16QAM	11.98	12.00	12.24	12.41	12.19	13.50
	75	0	16QAM	12.03	12.00	12.29	12.26	12.00	13.50
15	1	0	64QAM	12.27	12.29	12.42	12.57	12.39	13.50
		37	64QAM	12.22	12.19	12.41	12.77	12.24	13.50
		74	64QAM	12.15	12.17	12.25	12.85	12.17	13.50
	36	0	64QAM	11.13	11.27	11.40	11.22	11.11	12.50
		20	64QAM	11.04	11.12	11.31	11.25	11.06	12.50
		39	64QAM	10.93	11.08	11.24	11.32	11.11	12.50
	75	0	64QAM	11.16	11.02	11.27	11.30	11.09	12.50

Channel				43640	44115	44590	45065	45540	Tune-up limit (dBm)
Frequency (MHz)				3605	3652.5	3700	3747.5	3795	
10	1	0	QPSK	14.42	14.40	14.55	14.36	14.41	15.50
		25	QPSK	14.23	14.25	14.38	14.37	14.18	15.50
		49	QPSK	13.95	14.08	14.15	14.41	13.95	15.50
	25	0	QPSK	13.13	13.19	13.38	13.22	13.18	14.50
		12	QPSK	13.08	13.24	13.34	13.28	13.04	14.50
		25	QPSK	13.02	13.16	13.24	13.41	12.97	14.50
	50	0	QPSK	13.05	13.05	13.27	13.36	13.15	14.50
10	1	0	16QAM	13.44	13.33	13.60	13.63	13.32	14.50
		25	16QAM	13.37	13.38	13.54	13.80	13.30	14.50
		49	16QAM	13.20	13.22	13.41	13.89	13.22	14.50
	25	0	16QAM	12.19	12.24	12.37	12.29	12.05	13.50
		12	16QAM	12.03	12.15	12.25	12.33	12.16	13.50
		25	16QAM	12.03	11.99	12.30	12.40	12.08	13.50
	50	0	16QAM	12.07	12.06	12.26	12.28	12.00	13.50
10	1	0	64QAM	12.21	12.38	12.51	12.64	12.43	13.50
		25	64QAM	12.31	12.29	12.42	12.76	12.18	13.50
		49	64QAM	12.22	12.24	12.36	12.82	12.24	13.50
	25	0	64QAM	11.12	11.17	11.42	11.20	11.08	12.50
		12	64QAM	11.08	11.13	11.27	11.29	11.01	12.50
		25	64QAM	11.00	11.02	11.23	11.38	11.11	12.50
	50	0	64QAM	11.10	11.07	11.30	11.25	11.13	12.50
Channel				43615	44103	44590	45078	45565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3651.3	3700	3748.8	3797.5	
5	1	0	QPSK	14.45	14.46	14.51	14.34	14.37	15.50
		12	QPSK	14.23	14.21	14.45	14.39	14.31	15.50
		24	QPSK	14.06	14.11	14.22	14.36	14.05	15.50
	12	0	QPSK	13.12	13.25	13.42	13.22	13.31	14.50
		7	QPSK	13.20	13.18	13.27	13.23	13.12	14.50
		13	QPSK	12.95	13.13	13.31	13.32	13.08	14.50
	25	0	QPSK	13.06	13.09	13.25	13.34	13.17	14.50
5	1	0	16QAM	13.43	13.36	13.53	13.59	13.32	14.50
		12	16QAM	13.27	13.31	13.52	13.67	13.31	14.50
		24	16QAM	13.19	13.26	13.32	13.87	13.18	14.50
	12	0	16QAM	12.19	12.21	12.37	12.21	12.06	13.50
		7	16QAM	12.07	12.13	12.34	12.29	12.15	13.50
		13	16QAM	12.01	11.94	12.20	12.38	12.12	13.50
	25	0	16QAM	12.10	12.07	12.23	12.37	12.08	13.50
5	1	0	64QAM	12.32	12.36	12.56	12.61	12.38	13.50
		12	64QAM	12.34	12.16	12.52	12.72	12.23	13.50
		24	64QAM	12.12	12.23	12.25	12.78	12.18	13.50
	12	0	64QAM	11.10	11.27	11.40	11.29	11.15	12.50
		7	64QAM	11.16	11.02	11.34	11.30	11.03	12.50
		13	64QAM	11.05	10.97	11.19	11.32	11.09	12.50
	25	0	64QAM	11.19	11.12	11.33	11.26	11.08	12.50

8.3.12 LTE Band43 Output Power

LTE B43 ANT6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44140	44590	45040	45490	
Frequency (MHz)				3610	3655	3700	3745	3790	
20	1	0	QPSK	15.49	15.48	15.61	15.39	15.38	16.50
		49	QPSK	15.28	15.36	15.47	15.27	15.35	16.50
		99	QPSK	15.21	15.24	15.44	15.28	15.26	16.50
	50	0	QPSK	14.50	14.44	14.62	14.37	14.45	15.50
		24	QPSK	14.33	14.33	14.44	14.31	14.32	15.50
		50	QPSK	14.20	14.23	14.37	14.23	14.12	15.50
	100	0	QPSK	14.19	14.23	14.34	14.19	14.10	15.50
20	1	0	16QAM	14.43	14.48	14.61	14.37	14.42	15.50
		49	16QAM	14.41	14.39	14.58	14.39	14.42	15.50
		99	16QAM	14.31	14.30	14.43	14.28	14.31	15.50
	50	0	16QAM	13.20	13.22	13.40	13.18	13.26	14.50
		24	16QAM	13.12	13.17	13.36	13.11	13.20	14.50
		50	16QAM	13.16	13.18	13.30	13.06	13.15	14.50
	100	0	16QAM	13.11	13.23	13.34	13.22	13.22	14.50
20	1	0	64QAM	13.37	13.44	13.56	13.45	13.32	14.50
		49	64QAM	13.41	13.30	13.52	13.36	13.36	14.50
		99	64QAM	13.17	13.20	13.38	13.24	13.23	14.50
	50	0	64QAM	12.28	12.26	12.41	12.26	12.19	13.50
		24	64QAM	12.14	12.11	12.36	12.12	12.23	13.50
		50	64QAM	12.09	12.13	12.30	12.07	12.13	13.50
	100	0	64QAM	12.16	12.11	12.35	12.21	12.12	13.50
Channel				43665	44128	44590	45053	45515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3653.8	3700	3746.3	3792.5	
15	1	0	QPSK	15.44	15.43	15.58	15.32	15.31	16.50
		37	QPSK	15.19	15.22	15.37	15.23	15.25	16.50
		74	QPSK	15.20	15.15	15.39	15.25	15.22	16.50
	36	0	QPSK	14.46	14.42	14.56	14.29	14.40	15.50
		20	QPSK	14.18	14.28	14.30	14.16	14.21	15.50
		39	QPSK	14.06	14.16	14.28	14.13	14.03	15.50
	75	0	QPSK	14.07	14.16	14.32	14.06	14.09	15.50
15	1	0	16QAM	14.35	14.44	14.46	14.29	14.28	15.50
		37	16QAM	14.33	14.29	14.48	14.25	14.30	15.50
		74	16QAM	14.23	14.19	14.29	14.16	14.16	15.50
	36	0	16QAM	13.17	13.21	13.28	13.12	13.23	14.50
		20	16QAM	13.06	13.06	13.25	13.03	13.05	14.50
		39	16QAM	13.06	13.09	13.23	12.95	13.12	14.50
	75	0	16QAM	12.99	13.09	13.25	13.11	13.14	14.50
15	1	0	64QAM	13.31	13.39	13.48	13.33	13.21	14.50
		37	64QAM	13.32	13.19	13.44	13.35	13.29	14.50
		74	64QAM	13.03	13.11	13.28	13.23	13.10	14.50
	36	0	64QAM	12.17	12.14	12.38	12.23	12.05	13.50
		20	64QAM	12.13	11.99	12.26	12.10	12.13	13.50
		39	64QAM	12.06	12.07	12.19	11.96	11.98	13.50
	75	0	64QAM	12.15	12.06	12.21	12.06	12.08	13.50

Channel				43640	44115	44590	45065	45540	Tune-up limit (dBm)
Frequency (MHz)				3605	3652.5	3700	3747.5	3795	
10	1	0	QPSK	15.41	15.34	15.59	15.34	15.37	16.50
		25	QPSK	15.16	15.23	15.34	15.12	15.33	16.50
		49	QPSK	15.18	15.12	15.34	15.22	15.16	16.50
	25	0	QPSK	14.47	14.41	14.51	14.25	14.38	15.50
		12	QPSK	14.28	14.21	14.43	14.28	14.21	15.50
		25	QPSK	14.19	14.21	14.24	14.19	13.98	15.50
	50	0	QPSK	14.14	14.17	14.26	14.08	14.01	15.50
10	1	0	16QAM	14.29	14.40	14.48	14.32	14.28	15.50
		25	16QAM	14.35	14.30	14.49	14.25	14.35	15.50
		49	16QAM	14.24	14.15	14.39	14.21	14.21	15.50
	25	0	16QAM	13.13	13.20	13.34	13.11	13.21	14.50
		12	16QAM	13.09	13.03	13.28	13.00	13.18	14.50
		25	16QAM	13.10	13.03	13.23	13.04	13.10	14.50
	50	0	16QAM	13.04	13.22	13.26	13.19	13.08	14.50
10	1	0	64QAM	13.32	13.29	13.48	13.42	13.28	14.50
		25	64QAM	13.28	13.17	13.43	13.29	13.27	14.50
		49	64QAM	13.12	13.06	13.30	13.22	13.22	14.50
	25	0	64QAM	12.21	12.23	12.31	12.13	12.08	13.50
		12	64QAM	12.03	12.02	12.32	12.04	12.21	13.50
		25	64QAM	11.99	12.11	12.27	11.95	12.10	13.50
	50	0	64QAM	12.08	12.01	12.25	12.13	11.97	13.50
Channel				43615	44103	44590	45078	45565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3651.3	3700	3748.8	3797.5	
5	1	0	QPSK	15.34	15.36	15.47	15.37	15.34	16.50
		12	QPSK	15.21	15.27	15.42	15.15	15.24	16.50
		24	QPSK	15.14	15.22	15.37	15.15	15.25	16.50
	12	0	QPSK	14.37	14.34	14.59	14.35	14.34	15.50
		7	QPSK	14.31	14.27	14.35	14.17	14.24	15.50
		13	QPSK	14.09	14.11	14.33	14.14	14.00	15.50
	25	0	QPSK	14.10	14.11	14.21	14.07	14.03	15.50
5	1	0	16QAM	14.30	14.38	14.56	14.28	14.31	15.50
		12	16QAM	14.29	14.32	14.51	14.26	14.34	15.50
		24	16QAM	14.21	14.20	14.28	14.23	14.26	15.50
	12	0	16QAM	13.08	13.20	13.38	13.10	13.23	14.50
		7	16QAM	13.11	13.02	13.21	13.09	13.09	14.50
		13	16QAM	13.14	13.16	13.25	12.93	13.03	14.50
	25	0	16QAM	13.03	13.18	13.25	13.20	13.16	14.50
5	1	0	64QAM	13.34	13.34	13.42	13.39	13.25	14.50
		12	64QAM	13.29	13.17	13.42	13.34	13.34	14.50
		24	64QAM	13.12	13.06	13.29	13.21	13.19	14.50
	12	0	64QAM	12.25	12.20	12.33	12.18	12.13	13.50
		7	64QAM	12.03	11.96	12.31	12.02	12.09	13.50
		13	64QAM	11.96	12.06	12.25	11.99	12.12	13.50
	25	0	64QAM	12.12	12.03	12.28	12.13	11.98	13.50

8.3.13 LTE Band48 Output Power

LTE B48 ANT0										
BW [MHz]	RB Offset	Modulation	RB Size	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				55340	55830	55990	56150	56640		
Frequency (MHz)				3560	3609	3625	3641	3690		
20	QPSK	1	0	19.99	20.03	20.06	19.99	20.04	21.00	
			49	19.95	19.85	19.96	19.91	19.87	21.00	
			99	20.00	19.99	20.02	19.97	19.87	21.00	
		50	0	18.71	18.74	18.91	18.65	18.73	20.00	
			24	18.80	18.77	18.76	18.84	18.81	20.00	
			50	18.69	18.68	18.81	18.77	18.75	20.00	
		100	0	18.83	18.87	18.80	18.84	18.82	20.00	
			1	0	19.19	19.16	19.21	19.18	19.19	20.00
				49	18.83	18.92	18.97	18.92	18.96	20.00
				99	18.80	18.89	18.94	18.88	18.90	20.00
	50	0	17.99	18.02	18.03	17.97	17.90	19.00		
		24	17.84	17.89	17.94	17.80	17.89	19.00		
		50	17.99	17.92	18.01	17.88	17.88	19.00		
		100	0	17.92	17.98	18.04	17.97	18.03	19.00	
			1	0	18.09	18.15	18.24	18.09	18.17	19.00
				49	17.86	17.93	17.99	17.87	17.88	19.00
	64QAM	99		17.90	17.89	17.94	17.80	17.84	19.00	
		50	0	16.96	16.97	17.05	16.98	17.04	18.00	
			24	16.88	16.90	16.93	16.90	16.91	18.00	
			50	16.96	16.87	16.98	16.84	16.84	18.00	
		100	0	16.87	16.94	16.96	16.94	16.92	18.00	
			Channel				55315	55820	55990	56160
	Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
	15	QPSK	1	0	19.89	19.99	20.05	19.94	19.94	21.00
				37	19.91	19.73	19.88	19.80	19.80	21.00
				74	19.85	19.86	19.90	19.83	19.82	21.00
			36	0	18.60	18.59	18.91	18.62	18.70	20.00
				20	18.65	18.68	18.69	18.77	18.75	20.00
39				18.61	18.54	18.77	18.69	18.63	20.00	
75			0	18.68	18.78	18.77	18.71	18.79	20.00	
			1	0	19.04	19.06	19.09	19.10	19.07	20.00
				37	18.74	18.77	18.85	18.79	18.87	20.00
				74	18.71	18.85	18.87	18.73	18.88	20.00
16QAM		36	0	17.94	17.87	17.98	17.91	17.75	19.00	
			20	17.82	17.86	17.93	17.79	17.79	19.00	
			39	17.95	17.90	17.89	17.82	17.82	19.00	
		75	0	17.83	17.88	18.00	17.87	17.91	19.00	
			1	0	18.02	18.08	18.11	18.02	18.13	19.00
				37	17.83	17.80	17.98	17.76	17.76	19.00
74		17.86		17.79	17.90	17.79	17.78	19.00		
64QAM		36	0	16.84	16.91	17.00	16.89	17.03	18.00	
			20	16.80	16.79	16.86	16.86	16.88	18.00	
			39	16.84	16.75	16.93	16.72	16.80	18.00	
		75	0	16.82	16.91	16.92	16.92	16.89	18.00	

Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)	
Frequency (MHz)				3555	3607.5	3625	3642.5	3695		
10	QPSK	1	0	19.90	19.90	19.98	19.85	19.91	21.00	
			25	19.86	19.80	19.85	19.76	19.83	21.00	
			49	19.90	19.93	19.94	19.82	19.83	21.00	
		25	0	18.56	18.69	18.90	18.51	18.71	20.00	
			12	18.72	18.75	18.67	18.79	18.74	20.00	
			25	18.57	18.53	18.70	18.71	18.70	20.00	
		50	0	18.72	18.86	18.74	18.69	18.75	20.00	
		16QAM	1	0	19.10	19.14	19.16	19.15	19.11	20.00
				25	18.79	18.88	18.93	18.91	18.81	20.00
	49			18.78	18.80	18.88	18.76	18.81	20.00	
	25		0	17.91	17.89	17.90	17.83	17.76	19.00	
			12	17.76	17.82	17.86	17.77	17.76	19.00	
			25	17.89	17.89	17.99	17.79	17.81	19.00	
	50		0	17.77	17.95	18.01	17.93	17.88	19.00	
	64QAM		1	0	17.98	18.05	18.15	18.08	18.03	19.00
				25	17.78	17.89	17.93	17.78	17.81	19.00
		49		17.76	17.75	17.89	17.71	17.79	19.00	
		25	0	16.86	16.86	16.99	16.90	16.91	18.00	
			12	16.81	16.81	16.78	16.80	16.87	18.00	
			25	16.83	16.76	16.96	16.73	16.75	18.00	
		50	0	16.81	16.88	16.95	16.84	16.83	18.00	
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)	
Frequency (MHz)				3552.5	3607	3625	3643	3697.5		
5	QPSK	1	0	19.95	19.89	20.01	19.87	19.96	21.00	
			12	19.93	19.83	19.91	19.81	19.74	21.00	
			24	19.97	19.91	20.01	19.82	19.74	21.00	
		12	0	18.63	18.71	18.87	18.58	18.68	20.00	
			7	18.79	18.63	18.61	18.76	18.74	20.00	
			13	18.57	18.63	18.77	18.67	18.73	20.00	
		25	0	18.69	18.72	18.71	18.75	18.67	20.00	
		16QAM	1	0	19.18	19.07	19.17	19.08	19.04	20.00
				12	18.78	18.83	18.84	18.80	18.84	20.00
	24			18.78	18.81	18.91	18.79	18.82	20.00	
	12		0	17.84	17.94	17.88	17.85	17.75	19.00	
			7	17.81	17.87	17.84	17.74	17.74	19.00	
			13	17.96	17.79	18.00	17.78	17.78	19.00	
	25		0	17.91	17.93	17.93	17.83	17.88	19.00	
	64QAM		1	0	17.98	18.08	18.12	17.94	18.10	19.00
				12	17.83	17.92	17.89	17.77	17.74	19.00
		24		17.80	17.82	17.83	17.68	17.77	19.00	
		12	0	16.84	16.94	16.97	16.93	16.94	18.00	
			7	16.76	16.89	16.89	16.82	16.78	18.00	
			13	16.88	16.78	16.92	16.82	16.69	18.00	
	25	0	16.81	16.92	16.89	16.83	16.91	18.00		

8.3.13 LTE Band48 Output Power

LTE B48 ANT1												
BW [MHz]	RB Offset	Modulation	RB Size	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				55340	55830	55990	56150	56640				
Frequency (MHz)				3560	3609	3625	3641	3690				
20	QPSK	1	0	18.45	18.40	18.60	18.49	18.42	19.50			
			49	18.33	18.23	18.47	18.35	18.33	19.50			
			99	18.31	18.28	18.54	18.38	18.39	19.50			
		50	0	17.20	17.26	17.53	17.32	17.23	18.50			
			24	17.20	17.14	17.33	17.10	17.10	18.50			
			50	17.20	17.16	17.35	17.13	17.18	18.50			
		100	0	17.17	17.16	17.39	17.17	17.14	18.50			
			1	0	17.54	17.56	17.70	17.54	17.55	18.50		
				49	17.24	17.21	17.36	17.18	17.12	18.50		
				99	17.14	17.10	17.35	17.16	17.16	18.50		
	16QAM	50	0	16.31	16.19	16.43	16.20	16.28	17.50			
			24	16.24	16.30	16.45	16.22	16.24	17.50			
			50	16.10	16.20	16.32	16.07	16.17	17.50			
		100	0	16.23	16.22	16.45	16.33	16.25	17.50			
			1	0	16.53	16.58	16.70	16.48	16.57	17.50		
				49	16.33	16.34	16.55	16.33	16.34	17.50		
				99	16.30	16.38	16.53	16.29	16.41	17.50		
		64QAM	50	0	15.38	15.42	15.57	15.35	15.38	16.50		
				24	15.31	15.34	15.57	15.44	15.45	16.50		
				50	15.27	15.34	15.51	15.36	15.28	16.50		
	100		0	15.40	15.39	15.61	15.48	15.40	16.50			
			Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
			Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
			15	QPSK	1	0	18.38	18.29	18.50	18.37	18.33	19.50
	37	18.28				18.08	18.37	18.29	18.21	19.50		
	74	18.28				18.22	18.44	18.26	18.24	19.50		
	36	0			17.09	17.12	17.43	17.25	17.12	18.50		
		20			17.15	17.12	17.25	16.99	17.02	18.50		
39		17.14			17.08	17.28	17.06	17.03	18.50			
75	0	17.06			17.07	17.29	17.10	17.02	18.50			
	1	0			17.46	17.42	17.66	17.43	17.51	18.50		
		37			17.09	17.06	17.34	17.06	17.07	18.50		
		74			17.08	17.06	17.30	17.04	17.05	18.50		
16QAM	36	0		16.18	16.05	16.29	16.16	16.27	17.50			
		20		16.22	16.16	16.32	16.17	16.12	17.50			
		39		16.07	16.08	16.23	15.98	16.02	17.50			
	75	0		16.10	16.21	16.34	16.23	16.13	17.50			
		1		0	16.40	16.48	16.61	16.40	16.51	17.50		
				37	16.29	16.29	16.45	16.23	16.26	17.50		
				74	16.19	16.24	16.44	16.19	16.33	17.50		
64QAM	36	0		15.37	15.35	15.45	15.26	15.32	16.50			
		20		15.18	15.19	15.46	15.37	15.38	16.50			
		39		15.12	15.32	15.39	15.23	15.15	16.50			
	75	0		15.39	15.25	15.46	15.33	15.31	16.50			

Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)			
Frequency (MHz)				3555	3607.5	3625	3642.5	3695				
10	QPSK	1	0	18.37	18.31	18.54	18.34	18.28	19.50			
			25	18.19	18.21	18.34	18.24	18.26	19.50			
			49	18.22	18.22	18.45	18.29	18.27	19.50			
		25	0	17.07	17.17	17.32	17.17	17.10	18.50			
			12	17.12	17.12	17.22	17.08	17.03	18.50			
			25	17.08	17.03	17.31	17.12	17.04	18.50			
			50	0	17.04	17.14	17.28	17.15	17.06	18.50		
			16QAM	1	0	17.50	17.54	17.66	17.51	17.51	18.50	
					25	17.14	17.15	17.33	17.05	17.06	18.50	
	49	17.04			16.97	17.22	17.08	17.07	18.50			
	25	0	16.23	16.16	16.33	16.16	16.14	17.50				
		12	16.15	16.25	16.39	16.09	16.13	17.50				
		25	15.96	16.11	16.25	15.96	16.07	17.50				
		50	0	16.13	16.14	16.34	16.26	16.11	17.50			
		64QAM	1	0	16.42	16.46	16.57	16.42	16.56	17.50		
				25	16.21	16.24	16.50	16.23	16.31	17.50		
	49			16.16	16.24	16.46	16.27	16.36	17.50			
	25		0	15.34	15.35	15.54	15.32	15.34	16.50			
			12	15.19	15.20	15.56	15.29	15.36	16.50			
			25	15.23	15.30	15.50	15.26	15.25	16.50			
			50	0	15.25	15.31	15.51	15.39	15.28	16.50		
			Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
			Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
	5	QPSK	1	0	18.42	18.33	18.48	18.35	18.36	19.50		
				12	18.24	18.14	18.42	18.34	18.31	19.50		
				24	18.23	18.25	18.43	18.33	18.29	19.50		
			12	0	17.13	17.19	17.43	17.25	17.14	18.50		
7				17.05	17.06	17.25	17.01	17.00	18.50			
13				17.05	17.11	17.27	17.07	17.07	18.50			
25				0	17.07	17.03	17.35	17.12	17.08	18.50		
16QAM				1	0	17.47	17.41	17.66	17.50	17.47	18.50	
					12	17.10	17.11	17.28	17.12	17.02	18.50	
		24	17.08		16.96	17.22	17.11	17.02	18.50			
		12	0	16.19	16.06	16.39	16.08	16.25	17.50			
			7	16.15	16.20	16.42	16.12	16.17	17.50			
			13	16.08	16.10	16.30	15.94	16.10	17.50			
			25	0	16.19	16.18	16.42	16.28	16.14	17.50		
			64QAM	1	0	16.49	16.53	16.69	16.47	16.52	17.50	
					12	16.25	16.29	16.54	16.21	16.33	17.50	
24		16.27			16.28	16.41	16.25	16.32	17.50			
12		0		15.33	15.32	15.46	15.26	15.29	16.50			
		7		15.17	15.27	15.51	15.32	15.34	16.50			
		13		15.25	15.22	15.49	15.28	15.27	16.50			
		25		0	15.32	15.32	15.46	15.35	15.26	16.50		

8.3.13 LTE Band48 Output Power

LTE B48 ANT4												
BW [MHz]	RB Offset	Modulation	RB Size	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				55340	55830	55990	56150	56640				
Frequency (MHz)				3560	3609	3625	3641	3690				
20	QPSK	1	0	14.49	14.42	14.43	14.44	14.53	15.50			
			49	14.42	14.30	14.43	14.28	14.36	15.50			
			99	14.33	14.44	14.48	14.36	14.33	15.50			
		50	0	13.44	13.49	13.58	13.42	13.44	14.50			
			24	13.41	13.41	13.47	13.37	13.38	14.50			
			50	13.44	13.36	13.48	13.43	13.33	14.50			
		100	0	13.25	13.29	13.40	13.27	13.32	14.50			
			1	0	13.44	13.47	13.57	13.48	13.51	14.50		
				49	13.29	13.33	13.40	13.26	13.35	14.50		
				99	13.26	13.26	13.41	13.30	13.35	14.50		
	16QAM	50	0	12.21	12.21	12.33	12.30	12.25	13.50			
			24	12.29	12.23	12.33	12.22	12.29	13.50			
			50	12.29	12.21	12.35	12.22	12.20	13.50			
		100	0	12.34	12.39	12.41	12.38	12.33	13.50			
			1	0	12.37	12.41	12.52	12.41	12.43	13.50		
				49	12.31	12.26	12.32	12.18	12.17	13.50		
				99	12.25	12.20	12.34	12.25	12.30	13.50		
		64QAM	50	0	11.25	11.30	11.36	11.33	11.28	12.50		
				24	11.22	11.23	11.35	11.22	11.33	12.50		
				50	11.30	11.32	11.33	11.31	11.23	12.50		
	100		0	11.35	11.33	11.41	11.40	11.34	12.50			
			Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
			Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
			15	QPSK	1	0	14.39	14.30	14.48	14.37	14.40	15.50
	37	14.32				14.17	14.28	14.15	14.21	15.50		
	74	14.25				14.38	14.33	14.23	14.26	15.50		
	36	0			13.39	13.36	13.48	13.33	13.30	14.50		
		20			13.36	13.37	13.42	13.30	13.23	14.50		
39		13.42			13.33	13.45	13.35	13.20	14.50			
75	0	13.20			13.14	13.37	13.24	13.26	14.50			
	1	0			13.32	13.32	13.54	13.39	13.50	14.50		
		37			13.14	13.19	13.39	13.16	13.33	14.50		
		74			13.18	13.22	13.36	13.18	13.34	14.50		
16QAM	36	0		12.08	12.07	12.21	12.23	12.15	13.50			
		20		12.19	12.11	12.31	12.17	12.22	13.50			
		39		12.14	12.12	12.24	12.20	12.05	13.50			
	75	0		12.28	12.37	12.33	12.27	12.26	13.50			
		1		0	12.30	12.33	12.43	12.40	12.34	13.50		
				37	12.21	12.13	12.19	12.08	12.10	13.50		
				74	12.11	12.16	12.28	12.19	12.21	13.50		
	64QAM	36		0	11.22	11.17	11.31	11.26	11.22	12.50		
				20	11.12	11.10	11.27	11.18	11.30	12.50		
				39	11.29	11.27	11.32	11.16	11.08	12.50		
75		0		11.25	11.24	11.32	11.25	11.23	12.50			

Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	14.42	14.38	14.51	14.35	14.49	15.50
			25	14.33	14.19	14.34	14.26	14.25	15.50
			49	14.25	14.40	14.47	14.25	14.24	15.50
		25	0	13.38	13.39	13.47	13.31	13.39	14.50
			12	13.26	13.36	13.44	13.34	13.35	14.50
			25	13.41	13.31	13.35	13.28	13.26	14.50
		50	0	13.23	13.21	13.35	13.23	13.26	14.50
			0	13.37	13.32	13.51	13.47	13.38	14.50
			25	13.17	13.27	13.31	13.15	13.20	14.50
	16QAM	1	49	13.15	13.11	13.40	13.22	13.32	14.50
			0	12.06	12.06	12.30	12.20	12.10	13.50
			12	12.28	12.20	12.29	12.12	12.24	13.50
		25	25	12.19	12.18	12.29	12.09	12.15	13.50
			0	12.29	12.37	12.32	12.35	12.28	13.50
			0	12.24	12.38	12.48	12.38	12.38	13.50
		50	25	12.29	12.20	12.17	12.16	12.10	13.50
			49	12.14	12.10	12.31	12.11	12.21	13.50
			0	11.22	11.23	11.29	11.30	11.19	12.50
	64QAM	1	12	11.08	11.13	11.28	11.11	11.21	12.50
			25	11.22	11.18	11.22	11.18	11.09	12.50
			0	11.20	11.28	11.36	11.30	11.23	12.50
		25	0	11.22	11.23	11.29	11.30	11.19	12.50
			12	11.08	11.13	11.28	11.11	11.21	12.50
			25	11.22	11.18	11.22	11.18	11.09	12.50
		50	0	11.20	11.28	11.36	11.30	11.23	12.50
			25	11.22	11.18	11.22	11.18	11.09	12.50
			0	11.20	11.28	11.36	11.30	11.23	12.50

Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	14.36	14.39	14.49	14.31	14.48	15.50
			12	14.30	14.20	14.34	14.17	14.33	15.50
			24	14.19	14.39	14.40	14.21	14.26	15.50
		12	0	13.35	13.46	13.52	13.39	13.38	14.50
			7	13.27	13.34	13.35	13.31	13.26	14.50
			13	13.32	13.29	13.37	13.42	13.22	14.50
		25	0	13.18	13.24	13.39	13.15	13.18	14.50
			0	13.35	13.34	13.42	13.44	13.48	14.50
			12	13.27	13.22	13.32	13.25	13.28	14.50
	16QAM	1	24	13.15	13.17	13.40	13.17	13.27	14.50
			0	12.18	12.13	12.25	12.16	12.24	13.50
			7	12.20	12.09	12.24	12.19	12.25	13.50
		12	13	12.14	12.19	12.32	12.21	12.08	13.50
			0	12.32	12.32	12.32	12.26	12.31	13.50
			0	12.27	12.38	12.37	12.34	12.33	13.50
		25	12	12.28	12.24	12.24	12.09	12.11	13.50
			24	12.16	12.08	12.30	12.21	12.24	13.50
			0	11.15	11.25	11.31	11.25	11.16	12.50
	64QAM	1	7	11.21	11.21	11.20	11.15	11.31	12.50
			13	11.28	11.24	11.20	11.28	11.17	12.50
			0	11.28	11.23	11.38	11.31	11.21	12.50
		12	0	11.28	11.23	11.38	11.31	11.21	12.50
			7	11.21	11.21	11.20	11.15	11.31	12.50
			13	11.28	11.24	11.20	11.28	11.17	12.50
		25	0	11.28	11.23	11.38	11.31	11.21	12.50
			7	11.21	11.21	11.20	11.15	11.31	12.50
			13	11.28	11.24	11.20	11.28	11.17	12.50

8.3.13 LTE Band48 Output Power

LTE B48 ANT6											
BW [MHz]	RB Offset	Modulation	RB Size	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				55340	55830	55990	56150	56640			
Frequency (MHz)				3560	3609	3625	3641	3690			
20	QPSK	1	0	15.38	15.50	15.55	15.37	15.48	16.50		
			49	15.37	15.28	15.40	15.34	15.36	16.50		
			99	15.24	15.27	15.39	15.35	15.32	16.50		
		50	0	14.43	14.45	14.56	14.45	14.38	15.50		
			24	14.43	14.45	14.47	14.35	14.39	15.50		
			50	14.27	14.38	14.41	14.30	14.28	15.50		
		100	0	14.36	14.42	14.44	14.36	14.35	15.50		
			16QAM	1	0	14.58	14.52	14.61	14.50	14.51	15.50
					49	14.43	14.47	14.50	14.36	14.46	15.50
		99			14.44	14.36	14.45	14.31	14.44	15.50	
		50		0	13.48	13.44	13.50	13.39	13.36	14.50	
				24	13.36	13.37	13.46	13.42	13.36	14.50	
	50			13.38	13.37	13.48	13.39	13.45	14.50		
	64QAM	1	0	13.39	13.38	13.44	13.39	13.36	14.50		
			0	13.76	13.82	13.88	13.76	13.80	14.50		
			49	13.37	13.43	13.51	13.41	13.46	14.50		
		50	99	13.39	13.33	13.46	13.36	13.40	14.50		
			0	12.34	12.34	12.41	12.39	12.28	13.50		
			24	12.31	12.36	12.45	12.39	12.34	13.50		
	100	50	12.28	12.29	12.37	12.24	12.33	13.50			
		0	12.43	12.45	12.47	12.36	12.44	13.50			
	Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)	
	Frequency (MHz)				3557.5	3608	3625	3642	3692.5		
	15	QPSK	1	0	15.34	15.38	15.45	15.31	15.44	16.50	
				37	15.24	15.20	15.34	15.31	15.31	16.50	
				74	15.18	15.16	15.34	15.34	15.29	16.50	
			36	0	14.40	14.37	14.46	14.32	14.35	15.50	
				20	14.30	14.31	14.39	14.20	14.31	15.50	
39				14.22	14.32	14.32	14.20	14.20	15.50		
75			0	14.24	14.31	14.43	14.32	14.24	15.50		
			16QAM	1	0	14.50	14.47	14.58	14.46	14.45	15.50
					37	14.35	14.36	14.42	14.22	14.37	15.50
74					14.36	14.21	14.41	14.22	14.43	15.50	
36				0	13.41	13.41	13.45	13.28	13.33	14.50	
				20	13.27	13.31	13.39	13.33	13.24	14.50	
		39		13.29	13.31	13.44	13.33	13.35	14.50		
64QAM		75	0	13.26	13.34	13.43	13.28	13.31	14.50		
			1	0	13.71	13.67	13.79	13.75	13.66	14.50	
				37	13.30	13.42	13.40	13.30	13.45	14.50	
		74		13.29	13.18	13.34	13.21	13.30	14.50		
		36	0	12.23	12.31	12.32	12.31	12.23	13.50		
			20	12.23	12.29	12.41	12.27	12.25	13.50		
39			12.26	12.18	12.28	12.13	12.21	13.50			
75		0	12.38	12.42	12.46	12.28	12.39	13.50			

Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)	
Frequency (MHz)				3555	3607.5	3625	3642.5	3695		
10	QPSK	1	0	15.29	15.47	15.49	15.23	15.36	16.50	
			25	15.26	15.23	15.34	15.24	15.27	16.50	
			49	15.11	15.17	15.26	15.22	15.17	16.50	
		25	0	14.39	14.32	14.51	14.40	14.26	15.50	
			12	14.38	14.31	14.37	14.31	14.37	15.50	
			25	14.13	14.32	14.32	14.22	14.15	15.50	
		50	0	14.21	14.33	14.43	14.26	14.31	15.50	
			0	14.49	14.46	14.54	14.44	14.45	15.50	
			25	14.35	14.34	14.40	14.31	14.38	15.50	
	16QAM	1	0	14.49	14.46	14.54	14.44	14.45	15.50	
			25	14.35	14.34	14.40	14.31	14.38	15.50	
			49	14.42	14.33	14.39	14.21	14.36	15.50	
		25	0	13.42	13.31	13.49	13.33	13.23	14.50	
			12	13.29	13.23	13.34	13.30	13.24	14.50	
			25	13.30	13.29	13.37	13.35	13.34	14.50	
		50	0	13.31	13.36	13.32	13.32	13.21	14.50	
			0	13.71	13.69	13.82	13.75	13.77	14.50	
			25	13.24	13.31	13.41	13.34	13.42	14.50	
	64QAM	1	49	13.35	13.29	13.39	13.22	13.32	14.50	
			0	12.31	12.21	12.32	12.32	12.23	13.50	
			12	12.26	12.21	12.43	12.31	12.32	13.50	
		25	25	12.19	12.28	12.30	12.18	12.26	13.50	
0			12.32	12.35	12.39	12.24	12.35	13.50		
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)	
Frequency (MHz)				3552.5	3607	3625	3643	3697.5		
5		QPSK	1	0	15.37	15.41	15.51	15.36	15.33	16.50
				12	15.24	15.16	15.35	15.26	15.31	16.50
	24			15.15	15.25	15.25	15.22	15.30	16.50	
	12		0	14.32	14.41	14.57	14.36	14.30	15.50	
			7	14.34	14.33	14.34	14.26	14.24	15.50	
			13	14.22	14.28	14.27	14.15	14.25	15.50	
	25		0	14.27	14.33	14.36	14.31	14.34	15.50	
			0	14.56	14.51	14.51	14.35	14.39	15.50	
			12	14.32	14.37	14.48	14.21	14.38	15.50	
	16QAM	1	24	14.39	14.28	14.37	14.17	14.39	15.50	
			0	13.43	13.35	13.42	13.26	13.29	14.50	
			7	13.28	13.36	13.37	13.40	13.35	14.50	
		12	13	13.25	13.30	13.40	13.31	13.41	14.50	
			0	13.35	13.25	13.30	13.29	13.25	14.50	
			0	13.72	13.68	13.79	13.68	13.74	14.50	
		64QAM	1	12	13.26	13.41	13.45	13.38	13.45	14.50
				24	13.26	13.23	13.32	13.30	13.29	14.50
				0	12.28	12.27	12.33	12.28	12.17	13.50
	12	7	12.22	12.27	12.35	12.29	12.30	13.50		
		13	12.25	12.26	12.26	12.10	12.25	13.50		
		25	0	12.41	12.30	12.46	12.27	12.38	13.50	

8.3.14 LTE Band5 Output Power

LTE Uplink CA_ Band 5 -Ant.2										
Combination 10MHz+10MHz(50RB+50RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20450	20549	10	QPSK	1	49	1	0	2	19.46	20.50
20476	20575	10	QPSK	1	49	1	0	2	19.56	20.50
20501	20600	10	QPSK	1	49	1	0	2	19.41	20.50

LTE Uplink CA_ Band 5 -Ant.5										
Combination 10MHz+10MHz(50RB+50RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20450	20549	10	QPSK	1	49	1	0	2	19.45	20.50
20476	20575	10	QPSK	1	49	1	0	2	19.59	20.50
20501	20600	10	QPSK	1	49	1	0	2	19.43	20.50

8.3.15 LTE Band7 Output Power

LTE Uplink CA_ Band 7 -Ant.2										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	99	1	0	2	14.76	16.00
21101	21199	20	QPSK	1	99	1	0	2	14.84	16.00
21152	21350	20	QPSK	1	99	1	0	2	14.77	16.00

LTE Uplink CA_ Band 7 -Ant.5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	99	1	0	2	16.72	17.50
21101	21199	20	QPSK	1	99	1	0	2	16.79	17.50
21152	21350	20	QPSK	1	99	1	0	2	16.68	17.50

8.3.16 LTE Band66 Output Power

LTE Uplink CA_ Band 66 -Ant.2										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	99	1	0	2	15.47	16.50
132323	132521	20	QPSK	1	99	1	0	2	15.58	16.50
132374	132572	20	QPSK	1	99	1	0	2	15.53	16.50

LTE Uplink CA_ Band 66 -Ant.5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	99	1	0	2	15.68	16.50
132323	132521	20	QPSK	1	99	1	0	2	15.77	16.50
132374	132572	20	QPSK	1	99	1	0	2	15.72	16.50

8.3.17 LTE Band38 Output Power

LTE Uplink CA_ Band 38 -Ant.2										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	99	1	0	2	15.85	17.00
37901	38099	20	QPSK	1	99	1	0	2	15.90	17.00
37952	38150	20	QPSK	1	99	1	0	2	15.82	17.00

LTE Uplink CA_ Band 38 -Ant.5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	99	1	0	2	17.67	18.50
37901	38099	20	QPSK	1	99	1	0	2	17.72	18.50
37952	38150	20	QPSK	1	99	1	0	2	17.64	18.50

8.3.18 LTE Band41 Output Power

LTE Uplink CA_ Band 41 -Ant.2										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	99	1	0	2	16.05	17.00
40521	40719	20	QPSK	1	99	1	0	2	16.13	17.00
41292	41490	20	QPSK	1	99	1	0	2	16.02	17.00

LTE Uplink CA_ Band 41 -Ant.5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	99	1	0	2	17.65	18.50
40521	40719	20	QPSK	1	99	1	0	2	17.74	18.50
41292	41490	20	QPSK	1	99	1	0	2	17.66	18.50

8.4.1 NR Band5 Output Power

N5-ANT2 Full power							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Middle Ch. / Freq.			Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency(MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	22.88	22.96	22.95	24.00
		1	53	22.69	22.84	22.71	24.00
		1	104	22.78	22.93	22.90	24.00
		50	0	22.32	22.41	22.35	23.50
		50	28	22.77	22.92	22.78	24.00
		50	56	22.21	22.35	22.33	23.50
	QPSK	100	0	22.31	22.45	22.34	23.50
		1	1	22.78	22.92	22.78	24.00
		1	53	22.80	22.91	22.81	24.00
		1	104	22.81	22.88	22.84	24.00
		50	0	21.73	21.86	21.76	23.00
		50	28	22.79	22.89	22.81	24.00
		50	56	21.73	21.87	21.72	23.00
		100	0	21.88	21.95	21.86	23.00
	16QAM	1	1	21.67	21.81	21.77	23.00
	64QAM	1	1	20.86	20.89	20.76	21.50
	256QAM	1	1	18.70	18.85	18.75	19.50
Channel				166300	167300	168300	Tune-up power(dBm)
Frequency(MHz)				831.5	836.5	841.5	
15	QPSK	1	1	22.85	22.82	22.80	24.00
Channel				165800	167300	168800	Tune-up power(dBm)
Frequency(MHz)				829	836.5	844	
10	QPSK	1	1	22.72	22.90	22.76	24.00
Channel				165300	167300	169300	Tune-up power(dBm)
Frequency(MHz)				826.5	836.5	846.5	
5	QPSK	1	1	22.77	22.89	22.73	24.00

8.4.1 NR Band5 Output Power

N5-ANT5 Full power							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Middle Ch. / Freq.			Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency(MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.48	23.50	23.35	24.50
		1	53	23.31	23.41	23.31	24.50
		1	104	23.27	23.41	23.37	24.50
		50	0	22.76	22.85	22.80	24.00
		50	28	23.34	23.46	23.31	24.50
		50	56	22.71	22.85	22.84	24.00
		100	0	22.92	22.96	22.81	24.00
	QPSK	1	1	23.33	23.42	23.36	24.50
		1	53	23.30	23.35	23.23	24.50
		1	104	23.36	23.45	23.44	24.50
		50	0	22.37	22.47	22.33	23.50
		50	28	23.26	23.38	23.27	24.50
		50	56	22.21	22.36	22.29	23.50
		100	0	22.46	22.48	22.41	23.50
	16QAM	1	1	22.66	22.74	22.59	23.50
	64QAM	1	1	21.20	21.30	21.22	22.00
	256QAM	1	1	19.01	19.16	19.09	20.00
Channel				18.77	167300	18.76	Tune-up power(dBm)
Frequency(MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.37	23.44	23.35	24.50
Channel				165800	167300	168800	Tune-up power(dBm)
Frequency(MHz)				829	836.5	844	
10	QPSK	1	1	23.36	23.35	23.27	24.50
Channel				165300	167300	169300	Tune-up power(dBm)
Frequency(MHz)				826.5	836.5	846.5	
5	QPSK	1	1	23.38	23.46	23.33	24.50

8.4.2 NR Band7 Output Power

N7-ANT2 Full power							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	
Frequency(MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	15.93	16.08	16.05	17.00
		1	135	15.90	15.97	15.83	17.00
		1	268	15.96	16.07	16.03	17.00
		135	0	15.47	15.57	15.51	16.50
		135	68	15.91	16.05	16.04	17.00
		135	135	15.35	15.45	15.38	16.50
	QPSK	270	0	15.36	15.47	15.34	16.50
		1	1	15.86	15.99	15.86	17.00
		1	135	15.82	15.93	15.89	17.00
		1	268	15.95	15.96	15.84	17.00
		135	0	14.98	15.00	14.98	16.00
		135	68	16.01	16.06	15.99	17.00
		135	135	14.89	14.99	14.88	16.00
		270	0	14.82	14.96	14.83	16.00
	16QAM	1	1	15.02	15.05	14.94	16.00
	64QAM	1	1	13.60	13.63	13.57	14.50
	256QAM	1	1	11.58	11.65	11.61	12.50
Channel				504000	507000	510000	Tune-up power(dBm)
Frequency(MHz)				2520	2535	2550	
40	QPSK	1	1	15.81	15.94	15.95	17.00
Channel				503000	507000	511000	Tune-up power(dBm)
Frequency(MHz)				2515	2535	2555	
30	QPSK	1	1	15.89	16.04	16.01	17.00
Channel				502500	507000	511500	Tune-up power(dBm)
Frequency(MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	15.85	15.99	16.00	17.00
Channel				502000	507000	512000	Tune-up power(dBm)
Frequency(MHz)				2510	2535	2560	
20	QPSK	1	1	15.89	16.06	15.94	17.00
Channel				501500	507000	512500	Tune-up power(dBm)
Frequency(MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	15.86	16.04	15.90	17.00
Channel				501000	507000	513000	Tune-up power(dBm)
Frequency(MHz)				2505	2535	2565	
10	QPSK	1	1	15.80	15.96	15.92	17.00
Channel				500500	507000	513500	Tune-up power(dBm)
Frequency(MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	15.86	15.93	15.94	17.00

8.4.2 NR Band7 Output Power

N7-ANT5							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	
Frequency(MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	17.93	18.02	17.90	19.00
		1	135	17.79	17.93	17.87	19.00
		1	268	17.95	17.98	17.96	19.00
		135	0	17.33	17.41	17.33	18.50
		135	68	17.77	17.87	17.78	19.00
		135	135	17.44	17.49	17.42	18.50
	QPSK	270	0	17.49	17.50	17.46	18.50
		1	1	17.77	17.92	17.88	19.00
		1	135	17.80	17.91	17.87	19.00
		1	268	17.87	17.98	17.86	19.00
		135	0	16.78	16.88	16.85	18.00
		135	68	17.94	17.96	17.89	19.00
		135	135	16.90	16.93	16.79	18.00
		270	0	16.84	16.91	16.80	18.00
	16QAM	1	1	16.92	17.03	16.89	18.00
	64QAM	1	1	15.30	15.40	15.37	16.50
	256QAM	1	1	13.70	13.73	13.63	14.50
Channel				504000	507000	510000	Tune-up power(dBm)
Frequency(MHz)				2520	2535	2550	
40	QPSK	1	1	17.84	17.91	17.88	19.00
Channel				503000	507000	511000	Tune-up power(dBm)
Frequency(MHz)				2515	2535	2555	
30	QPSK	1	1	17.92	17.87	17.88	19.00
Channel				502500	507000	511500	Tune-up power(dBm)
Frequency(MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	17.85	17.93	17.77	19.00
Channel				502000	507000	512000	Tune-up power(dBm)
Frequency(MHz)				2510	2535	2560	
20	QPSK	1	1	17.83	17.97	17.77	19.00
Channel				501500	507000	512500	Tune-up power(dBm)
Frequency(MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	17.84	17.88	17.80	19.00
Channel				501000	507000	513000	Tune-up power(dBm)
Frequency(MHz)				2505	2535	2565	
10	QPSK	1	1	17.90	17.92	17.85	19.00
Channel				500500	507000	513500	Tune-up power(dBm)
Frequency(MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	17.88	17.99	17.84	19.00

8.4.3 NR Band12 Output Power

N12-ANT2 Full power							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	Tune-up limit (dBm)
Frequency(MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.05	23.09	23.03	24.00
		1	40	22.82	22.96	22.93	24.00
		1	77	22.90	22.94	22.79	24.00
		36	0	22.63	22.67	22.59	23.50
		36	22	22.83	22.95	22.89	24.00
		36	43	22.46	22.57	22.55	23.50
		75	0	22.39	22.51	22.45	23.50
	QPSK	1	1	23.03	23.05	22.99	24.00
		1	40	22.96	22.98	22.83	24.00
		1	77	22.81	22.94	22.89	24.00
		36	0	22.12	22.25	22.20	23.00
		36	22	22.93	23.01	22.99	24.00
		36	43	22.05	22.08	21.98	23.00
		75	0	21.98	22.01	21.95	23.00
	16QAM	1	1	22.18	22.26	22.15	23.00
	64QAM	1	1	20.82	20.87	20.73	21.50
	256QAM	1	1	18.54	18.65	18.51	19.50
Channel				140800	141500	142200	Tune-up power(dBm)
Frequency(MHz)				704	707.5	711	
10	QPSK	1	1	22.91	22.96	22.99	24.00
Channel				140300	141500	142700	Tune-up power(dBm)
Frequency(MHz)				701.5	707.5	713.5	
5	QPSK	1	1	22.97	23.01	22.90	24.00

8.4.3 NR Band12 Output Power

N12-ANT5 Full power							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	Tune-up limit (dBm)
Frequency(MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.72	23.75	23.69	24.50
		1	40	23.52	23.60	23.47	24.50
		1	77	23.46	23.61	23.56	24.50
		36	0	23.13	23.17	23.09	24.00
		36	22	23.60	23.71	23.67	24.50
		36	43	23.16	23.19	23.17	24.00
		75	0	23.07	23.12	23.02	24.00
	QPSK	1	1	23.61	23.65	23.59	24.50
		1	40	23.68	23.70	23.65	24.50
		1	77	23.58	23.70	23.60	24.50
		36	0	22.58	22.69	22.65	23.50
		36	22	23.58	23.69	23.54	24.50
		36	43	22.64	22.65	22.57	23.50
		75	0	22.62	22.74	22.60	23.50
	16QAM	1	1	22.76	22.80	22.74	23.50
	64QAM	1	1	21.31	21.38	21.28	22.00
	256QAM	1	1	19.01	19.15	19.09	20.00
Channel				140800	141500	142200	Tune-up power(dBm)
Frequency(MHz)				704	707.5	711	
10	QPSK	1	1	23.60	23.64	23.64	24.50
Channel				140300	141500	142700	Tune-up power(dBm)
Frequency(MHz)				701.5	707.5	713.5	
5	QPSK	1	1	23.58	23.60	23.55	24.50

8.4.4 NR Ban66 Output Power

N66-ANT2							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency(MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	17.80	17.90	17.82	19.00
		1	108	17.77	17.89	17.87	19.00
		1	214	17.76	17.84	17.74	19.00
		108	0	17.26	17.28	17.18	18.50
		108	54	17.76	17.82	17.70	19.00
		108	108	17.17	17.25	17.11	18.50
	QPSK	216	0	17.31	17.37	17.25	18.50
		1	1	17.69	17.84	17.72	19.00
		1	108	17.72	17.87	17.80	19.00
		1	214	17.70	17.84	17.81	19.00
		108	0	16.76	16.80	16.67	18.00
		108	54	17.85	17.86	17.85	19.00
		108	108	16.67	16.77	16.65	18.00
		216	0	16.76	16.89	16.87	18.00
	16QAM	1	1	16.95	17.03	16.94	18.00
	64QAM	1	1	15.57	15.58	15.45	16.50
	256QAM	1	1	13.49	13.63	13.48	14.50
Channel				345000	349000	353000	Tune-up power(dBm)
Frequency(MHz)				1725	1745	1765	
30	QPSK	1	1	17.72	17.85	17.74	19.00
Channel				344500	349000	353500	Tune-up power(dBm)
Frequency(MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	17.69	17.76	17.78	19.00
Channel				344000	349000	354000	Tune-up power(dBm)
Frequency(MHz)				1720	1745	1770	
20	QPSK	1	1	17.69	17.81	17.67	19.00
Channel				343500	349000	354500	Tune-up power(dBm)
Frequency(MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	17.75	17.75	17.71	19.00
Channel				343000	349000	355000	Tune-up power(dBm)
Frequency(MHz)				1715	1745	1775	
10	QPSK	1	1	17.66	17.80	17.72	19.00
Channel				342500	349000	355500	Tune-up power(dBm)
Frequency(MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	17.76	17.88	17.68	19.00

8.4.4 NR Band66 Output Power

N66-ANT5							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency(MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.16	18.24	18.19	19.00
		1	108	18.08	18.15	18.05	19.00
		1	214	18.01	18.15	18.13	19.00
		108	0	17.47	17.60	17.47	18.50
		108	54	18.09	18.18	18.11	19.00
		108	108	17.59	17.72	17.62	18.50
	QPSK	216	0	17.68	17.73	17.71	18.50
		1	1	18.14	18.15	18.06	19.00
		1	108	18.17	18.22	18.14	19.00
		1	214	18.10	18.18	18.12	19.00
		108	0	17.15	17.17	17.02	18.00
		108	54	18.00	18.14	18.02	19.00
		108	108	17.14	17.19	17.12	18.00
		216	0	17.05	17.13	17.07	18.00
	16QAM	1	1	17.16	17.23	17.19	18.00
	64QAM	1	1	15.45	15.47	15.36	16.50
	256QAM	1	1	13.90	13.92	13.81	14.50
Channel				345000	349000	353000	Tune-up power(dBm)
Frequency(MHz)				1725	1745	1765	
30	QPSK	1	1	18.08	18.11	18.04	19.00
Channel				344500	349000	353500	Tune-up power(dBm)
Frequency(MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	18.06	18.23	18.16	19.00
Channel				344000	349000	354000	Tune-up power(dBm)
Frequency(MHz)				1720	1745	1770	
20	QPSK	1	1	18.08	18.21	18.08	19.00
Channel				343500	349000	354500	Tune-up power(dBm)
Frequency(MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	18.06	18.23	18.16	19.00
Channel				343000	349000	355000	Tune-up power(dBm)
Frequency(MHz)				1715	1745	1775	
10	QPSK	1	1	18.05	18.14	18.09	19.00
Channel				342500	349000	355500	Tune-up power(dBm)
Frequency(MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	18.14	18.12	18.07	19.00

8.4.5 NR Band38 Output Power

N38-ANT2							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				518000	519000	520000	power(dBm)
Frequency(MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	14.08	14.13	14.03	15.00
		1	53	14.06	14.09	13.94	15.00
		1	104	13.98	14.01	13.87	15.00
		50	0	13.36	13.50	13.44	14.50
		50	28	13.96	14.00	13.88	15.00
		50	56	13.52	13.53	13.44	14.50
	QPSK	100	0	13.49	13.51	13.36	14.50
		1	1	13.93	14.03	14.02	15.00
		1	53	13.95	14.01	13.93	15.00
		1	104	13.89	14.03	13.98	15.00
		50	0	13.04	13.08	13.03	14.00
		50	28	14.11	14.12	13.99	15.00
		50	56	12.93	13.03	13.01	14.00
		100	0	12.96	13.07	13.05	14.00
	16QAM	1	1	12.91	13.03	12.95	14.00
	64QAM	1	1	11.60	11.63	11.62	12.50
	256QAM	1	1	9.50	9.58	9.52	10.50
Channel				517000	519000	521000	Tune-up power(dBm)
Frequency(MHz)				2585	2595	2605	
30	QPSK	1	1	13.93	14.08	13.96	15.00
Channel				516500	519000	521500	Tune-up power(dBm)
Frequency(MHz)				2583	2595	2607	
25	QPSK	1	1	13.95	14.00	13.94	15.00
Channel				516000	519000	522000	Tune-up power(dBm)
Frequency(MHz)				2580	2595	2610	
20	QPSK	1	1	14.04	14.03	13.88	15.00
Channel				515500	519000	522500	Tune-up power(dBm)
Frequency(MHz)				2578	2595	2612	
15	QPSK	1	1	13.99	14.11	13.93	15.00
Channel				515000	519000	523000	Tune-up power(dBm)
Frequency(MHz)				2575	2595	2615	
10	QPSK	1	1	14.06	14.02	13.99	15.00
Channel				514500	519000	523500	Tune-up power(dBm)
Frequency(MHz)				2572.5	2595	2617.5	
5	QPSK	1	1	14.03	14.06	13.94	15.00

8.4.5 NR Band38 Output Power

N38-ANT5							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				518000	519000	520000	Tune-up power(dBm)
Frequency(MHz)				2590.00	2595	2600.00	
40	PI/2 BPSK	1	1	16.11	16.18	16.15	17.00
		1	53	15.98	16.08	15.95	17.00
		1	104	15.99	16.04	15.94	17.00
		50	0	15.61	15.66	15.62	16.50
		50	28	16.09	16.17	16.13	17.00
		50	56	15.47	15.61	15.48	16.50
	QPSK	100	0	15.48	15.61	15.59	16.50
		1	1	15.90	16.05	15.99	17.00
		1	53	15.97	16.04	16.03	17.00
		1	104	16.00	16.13	16.01	17.00
		50	0	15.07	15.10	15.08	16.00
		50	28	16.10	16.15	16.10	17.00
		50	56	14.99	15.05	14.94	16.00
		100	0	15.05	15.07	15.02	16.00
	16QAM	1	1	14.98	15.11	14.98	16.00
	64QAM	1	1	13.21	13.33	13.31	14.50
	256QAM	1	1	11.65	11.68	11.53	12.50
Channel				517000	519000	521000	Tune-up power(dBm)
Frequency(MHz)				2585	2595	2605	
30	QPSK	1	1	16.01	16.15	16.02	17.00
Channel				516500	519000	521500	Tune-up power(dBm)
Frequency(MHz)				2582.5	2595	2607.5	
25	QPSK	1	1	16.07	16.10	16.07	17.00
Channel				516000	519000	522000	Tune-up power(dBm)
Frequency(MHz)				2580	2595	2610	
20	QPSK	1	1	16.04	16.07	16.03	17.00
Channel				515500	519000	522500	Tune-up power(dBm)
Frequency(MHz)				2577.5	2595	2612.5	
15	QPSK	1	1	16.01	16.11	16.10	17.00
Channel				515000	519000	523000	Tune-up power(dBm)
Frequency(MHz)				2575	2595	2615	
10	QPSK	1	1	16.01	16.11	16.07	17.00
Channel				514500	519000	523500	Tune-up power(dBm)
Frequency(MHz)				2572.5	2595	2617.5	
5	QPSK	1	1	15.97	16.05	16.10	17.00

8.4.6 NR Band41 Output Power

N41-ANT2 Full power

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				509202	518598	528000	
Frequency(MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	13.03	13.10	13.05	14.00
		1	137	12.99	13.03	13.00	14.00
		1	271	12.94	13.05	13.03	14.00
		135	0	12.46	12.54	12.43	13.50
		135	69	13.05	13.08	12.95	14.00
		135	138	12.49	12.50	12.48	13.50
	QPSK	270	0	12.39	12.54	12.50	13.50
		1	1	12.86	12.95	12.83	14.00
		1	137	12.82	12.97	12.95	14.00
		1	271	12.96	13.03	13.02	14.00
		135	0	11.94	12.06	12.01	13.00
		135	69	12.89	13.00	12.92	14.00
		135	138	12.04	12.06	11.93	13.00
		270	0	11.93	11.98	11.89	13.00
	16QAM	1	1	11.91	11.97	11.82	13.00
	64QAM	1	1	10.20	10.29	10.27	11.50
	256QAM	1	1	8.21	8.24	8.16	9.50
Channel				508200	518598	528996	Tune-up power(dBm)
Frequency(MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	12.88	13.03	12.93	14.00
Channel				507204	518598	529998	Tune-up power(dBm)
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	12.92	13.01	13.04	14.00
Channel				506202	518598	531000	Tune-up power(dBm)
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	12.97	13.00	12.96	14.00
Channel				505200	518598	531996	Tune-up power(dBm)
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	13.00	13.00	12.99	14.00
Channel				504204	518598	532998	Tune-up power(dBm)
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	13.01	12.96	13.04	14.00
Channel				503202	518598	534000	Tune-up power(dBm)
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	12.94	12.98	12.97	14.00
Channel				502200	518598	534996	Tune-up power(dBm)
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	12.95	12.96	12.91	14.00
Channel				501702	518598	535500	Tune-up power(dBm)
Frequency(MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	12.95	13.04	12.97	14.00
Channel				501204	518598	535998	Tune-up power(dBm)
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	12.93	12.96	13.03	14.00
Channel				500202	518598	537000	Tune-up power(dBm)
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	12.88	13.09	13.02	14.00

8.4.6 NR Band41 Output Power

N41-ANT5

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				509202	518598	528000	
Frequency(MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	14.92	15.01	14.94	16.00
		1	137	14.91	14.95	14.81	16.00
		1	271	14.84	14.99	14.96	16.00
		135	0	14.29	14.42	14.37	15.50
		135	69	14.85	14.89	14.78	16.00
		135	138	14.28	14.43	14.31	15.50
	QPSK	270	0	14.33	14.39	14.31	15.50
		1	1	14.83	14.89	14.75	16.00
		1	137	14.80	14.86	14.77	16.00
		1	271	14.76	14.89	14.82	16.00
		135	0	13.82	13.96	13.90	15.00
		135	69	14.85	14.94	14.84	16.00
		135	138	13.83	13.87	13.86	15.00
		270	0	13.98	13.99	13.85	15.00
	16QAM	1	1	13.92	13.96	13.85	15.00
	64QAM	1	1	12.08	12.16	12.11	13.50
	256QAM	1	1	10.40	10.54	10.45	11.50
Channel				508200	518598	528996	
Frequency(MHz)				2541	2592.99	2644.98	
90		1	1	14.80	15.00	14.82	16.00
Channel				507204	518598	529998	
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	14.78	14.90	14.86	16.00
Channel				506202	518598	531000	
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	14.89	15.00	14.91	16.00
Channel				505200	518598	531996	
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	14.80	14.95	14.82	16.00
Channel				504204	518598	532998	
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	14.90	14.86	14.89	16.00
Channel				503202	518598	534000	
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	14.80	14.99	14.89	16.00
Channel				502200	518598	534996	
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	14.77	14.91	14.84	16.00
Channel				501702	518598	535500	
Frequency(MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	14.82	14.99	14.84	16.00
Channel				501204	518598	535998	
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	14.82	14.97	14.91	16.00
Channel				500202	518598	537000	
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	14.85	14.94	14.92	16.00

8.4.7 NR Band48 Output Power N48-ANT0

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				638000	641666	645332	Tune-up power(dBm)
Frequency(MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	12.80	12.82	12.81	13.50
		1	137	12.63	12.67	12.55	13.50
		1	271	12.73	12.79	12.76	13.50
		135	0	12.13	12.28	12.21	13.00
		135	69	12.72	12.78	12.75	13.50
		135	138	12.14	12.22	12.21	13.00
		270	0	12.16	12.24	12.12	13.00
	QPSK	1	1	12.55	12.70	12.57	13.50
		1	137	12.66	12.70	12.60	13.50
		1	271	12.78	12.80	12.77	13.50
		135	0	11.68	11.73	11.59	12.50
		135	69	12.64	12.69	12.68	13.50
		135	138	11.70	11.80	11.72	12.50
		270	0	11.68	11.69	11.67	12.50
	16QAM	1	1	11.47	11.60	11.59	12.50
	64QAM	1	1	9.73	9.86	9.76	11.00
	256QAM	1	1	8.22	8.27	8.18	9.00
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	12.69	12.76	12.68	13.50
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	12.69	12.76	12.79	13.50
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	12.74	12.81	12.74	13.50
Channel				636834	641666	646500	Tune-up power(dBm)
Frequency(MHz)				3552.51	3624.99	3697.5	
5	QPSK	1	1	12.66	12.76	12.71	13.50

8.4.7 NR Band48 Output Power

N48-ANT1

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				638000	641666	645332	
Frequency(MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	11.16	11.24	11.16	12.00
		1	137	11.01	11.10	11.01	12.00
		1	271	10.98	11.11	11.08	12.00
		135	0	10.53	10.67	10.53	11.50
		135	69	11.07	11.09	10.97	12.00
		135	138	10.69	10.72	10.65	11.50
		270	0	10.47	10.59	10.56	11.50
	QPSK	1	1	11.10	11.17	11.02	12.00
		1	137	11.01	11.10	11.07	12.00
		1	271	11.05	11.20	11.11	12.00
		135	0	10.08	10.16	10.05	11.00
		135	69	10.98	11.13	11.09	12.00
		135	138	10.10	10.20	10.14	11.00
		270	0	10.08	10.11	10.09	11.00
	16QAM	1	1	10.15	10.18	10.04	11.00
	64QAM	1	1	8.67	8.68	8.60	9.50
	256QAM	1	1	6.06	6.12	6.07	7.50
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	11.07	11.23	11.13	12.00
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	11.14	11.14	11.10	12.00
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	11.06	11.23	11.15	12.00
Channel				636834	641666	646500	Tune-up power(dBm)
Frequency(MHz)				3552.51	3624.99	3697.5	
5	QPSK	1	1	11.11	11.14	11.11	12.00

8.4.9 NR Band48 Output Power N48-ANT4

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				638000	641666	645332	Tune-up power(dBm)
Frequency(MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	5.83	5.84	5.79	6.50
		1	137	5.74	5.80	5.74	6.50
		1	271	5.73	5.81	5.78	6.50
		135	0	5.12	5.27	5.19	6.00
		135	69	5.64	5.71	5.60	6.50
		135	138	5.20	5.25	5.12	6.00
		270	0	5.14	5.26	5.15	6.00
	QPSK	1	1	5.69	5.80	5.69	6.50
		1	137	5.65	5.72	5.63	6.50
		1	271	5.79	5.80	5.78	6.50
		135	0	4.61	4.71	4.69	5.50
		135	69	5.70	5.74	5.59	6.50
		135	138	4.73	4.77	4.76	5.50
		270	0	4.74	4.77	4.63	5.50
	16QAM	1	1	4.38	4.43	4.28	5.50
	64QAM	1	1	2.72	2.87	2.85	4.00
	256QAM	1	1	1.20	1.32	1.28	2.00
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	5.80	5.75	5.66	6.50
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	5.78	5.76	5.70	6.50
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	5.79	5.69	5.76	6.50
Channel				636834	641666	646500	Tune-up power(dBm)
Frequency(MHz)				3552.51	3624.99	3697.5	
5	QPSK	1	1	5.75	5.70	5.77	6.50

8.4.9 NR Band48 Output Power N48-ANT6

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				638000	641666	645332	
Frequency(MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	3.53	3.67	3.61	4.50
		1	137	3.47	3.58	3.57	4.50
		1	271	3.55	3.58	3.55	4.50
		135	0	2.92	3.06	2.98	4.00
		135	69	3.38	3.53	3.40	4.50
		135	138	2.92	3.05	3.04	4.00
	QPSK	270	0	2.96	3.02	2.87	4.00
		1	1	3.44	3.56	3.41	4.50
		1	137	3.46	3.53	3.44	4.50
		1	271	3.45	3.59	3.45	4.50
		135	0	2.39	2.53	2.47	3.50
		135	69	3.59	3.64	3.54	4.50
		135	138	2.56	2.65	2.62	3.50
		270	0	2.57	2.65	2.55	3.50
	16QAM	1	1	2.42	2.48	2.38	3.50
	64QAM	1	1	1.22	1.35	1.28	2.00
	256QAM	1	1	0.19	0.32	0.28	0.00
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	3.42	3.59	3.56	4.50
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	3.41	3.66	3.49	4.50
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	3.44	3.64	3.60	4.50
Channel				636834	641666	646500	Tune-up power(dBm)
Frequency(MHz)				3552.51	3624.99	3697.5	
5	QPSK	1	1	3.51	3.64	3.51	4.50

8.4.8 NR Band77 Output Power N77-ANT0

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	640500	647666	654832	662000	
Frequency(MHz)				3500.01	3607.50	3714.99	3822.48	3930.00	
100	PI/2 BPSK	1	1	14.00	14.00	14.11	13.99	14.06	15.00
		1	137	13.86	13.87	13.98	13.84	13.92	15.00
		1	271	13.89	13.94	13.96	13.88	13.91	15.00
		135	0	13.38	13.39	13.51	13.49	13.43	14.50
		135	69	14.08	14.09	14.10	14.09	13.95	15.00
		135	138	13.42	13.43	13.56	13.50	13.49	14.50
	QPSK	270	0	13.41	13.39	13.52	13.42	13.40	14.50
		1	1	13.94	14.05	14.09	13.96	14.06	15.00
		1	137	13.88	13.93	14.01	13.86	13.96	15.00
		1	271	13.99	13.94	14.09	14.05	13.99	15.00
		135	0	12.97	12.93	13.06	13.01	12.91	14.00
		135	69	13.87	13.97	14.01	13.90	13.99	15.00
		135	138	12.91	12.97	13.04	12.94	12.98	14.00
		270	0	13.09	13.06	13.10	12.99	13.02	14.00
	16QAM	1	1	12.74	12.74	12.79	12.65	12.65	14.00
	64QAM	1	1	11.23	11.30	11.37	11.35	11.22	12.50
	256QAM	1	1	9.49	9.47	9.62	9.50	9.47	10.50
Channel				633000	640334	647666	655000	662332	Tune-up power(dBm)
Frequency(MHz)				3495	3605.01	3714.99	3825.00	3934.98	
90	QPSK	1	1	13.86	13.98	14.09	13.86	13.92	15.00
Channel				632668	640168	647666	655166	662666	Tune-up power(dBm)
Frequency(MHz)				3490.02	3602.52	3714.99	3827.49	3939.99	
80	QPSK	1	1	13.97	13.96	13.96	13.96	13.93	15.00
Channel				632334	640000	647666	655332	663000	Tune-up power(dBm)
Frequency(MHz)				3485.01	3600.00	3714.99	3829.98	3945.00	
70	QPSK	1	1	13.87	13.93	14.08	13.88	13.94	15.00
Channel				632000	639834	647666	655500	663332	Tune-up power(dBm)
Frequency(MHz)				3480	3597.51	3714.99	3832.50	3949.98	
60	QPSK	1	1	13.94	13.92	13.99	13.98	14.03	15.00
Channel				631668	639668	647666	655666	663666	Tune-up power(dBm)
Frequency(MHz)				3475.02	3595.02	3714.99	3834.99	3954.99	
50	QPSK	1	1	13.92	13.97	14.10	13.86	13.91	15.00
Channel				631334	639500	647666	655832	664000	Tune-up power(dBm)
Frequency(MHz)				3470.01	3592.50	3714.99	3837.48	3960.00	
40	QPSK	1	1	13.91	13.94	14.08	13.92	14.02	15.00
Channel				631000	639334	647666	656000	664332	Tune-up power(dBm)
Frequency(MHz)				3465	3590.01	3714.99	3840.00	3964.98	
30	QPSK	1	1	13.88	13.97	13.99	13.85	13.94	15.00
Channel				630834	639250	647666	656082	664500	Tune-up power(dBm)
Frequency(MHz)				3462.51	3588.75	3714.99	3841.23	3967.50	
25	QPSK	1	1	13.98	13.97	14.07	13.92	13.92	15.00
Channel				630668	639168	647666	656166	664666	Tune-up power(dBm)
Frequency(MHz)				3460.02	3587.52	3714.99	3842.49	3969.99	
20	QPSK	1	1	13.88	13.98	13.99	13.90	14.04	15.00
Channel				630500	639084	647666	656250	664832	Tune-up power(dBm)
Frequency(MHz)				3457.50	3586.26	3714.99	3843.75	3972.48	
15	QPSK	1	1	13.89	13.87	14.08	13.89	13.93	15.00
Channel				630334	639000	647666	656332	665000	Tune-up power(dBm)
Frequency(MHz)				3455.01	3585.00	3714.99	3844.98	3975.00	
10	QPSK	1	1	13.97	13.94	14.07	13.97	13.99	15.00

8.4.8 NR Band77 Output Power N77-ANT1

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	640500	647666	654832	662000	
Frequency(MHz)				3500.01	3607.50	3714.99	3822.48	3930.00	
100	PI/2 BPSK	1	1	12.69	12.66	12.76	12.65	12.49	13.50
		1	137	12.59	12.54	12.65	12.62	12.33	13.50
		1	271	12.60	12.63	12.75	12.65	12.32	13.50
		135	0	12.06	12.09	12.21	12.18	11.79	13.00
		135	69	12.53	12.55	12.61	12.50	12.30	13.50
		135	138	12.12	12.03	12.13	12.01	11.76	13.00
	QPSK	270	0	12.10	12.13	12.14	12.08	11.79	13.00
		1	1	12.59	12.55	12.69	12.54	12.37	13.50
		1	137	12.56	12.57	12.70	12.63	12.27	13.50
		1	271	12.64	12.62	12.68	12.66	12.23	13.50
		135	0	11.63	11.62	11.75	11.74	11.37	12.50
		135	69	12.64	12.60	12.72	12.60	12.27	13.50
	16QAM	135	138	11.49	11.51	11.63	11.49	11.19	12.50
		270	0	11.55	11.56	11.69	11.65	11.32	12.50
	64QAM	1	1	11.42	11.44	11.48	11.37	11.16	12.50
	256QAM	1	1	9.91	9.92	10.05	9.95	9.62	11.00
	256QAM	1	1	7.86	7.99	8.04	8.01	7.52	9.00
Channel				633000	640334	647666	655000	662332	
Frequency(MHz)				3495	3605.01	3714.99	3825.00	3934.98	Tune-up power(dBm)
90	QPSK	1	1	12.67	12.65	12.68	12.62	12.46	13.50
Channel				632668	640168	647666	655166	662666	
Frequency(MHz)				3490.02	3602.52	3714.99	3827.49	3939.99	Tune-up power(dBm)
80	QPSK	1	1	12.63	12.64	12.62	12.52	12.41	13.50
Channel				632334	640000	647666	655332	663000	
Frequency(MHz)				3485.01	3600.00	3714.99	3829.98	3945.00	Tune-up power(dBm)
70	QPSK	1	1	12.55	12.51	12.75	12.60	12.42	13.50
Channel				632000	639834	647666	655500	663332	
Frequency(MHz)				3480	3597.51	3714.99	3832.50	3949.98	Tune-up power(dBm)
60	QPSK	1	1	12.57	12.65	12.63	12.50	12.41	13.50
Channel				631668	639668	647666	655666	663666	
Frequency(MHz)				3475.02	3595.02	3714.99	3834.99	3954.99	Tune-up power(dBm)
50	QPSK	1	1	12.65	12.63	12.68	12.57	12.48	13.50
Channel				631334	639500	647666	655832	664000	
Frequency(MHz)				3470.01	3592.50	3714.99	3837.48	3960.00	Tune-up power(dBm)
40	QPSK	1	1	12.66	12.65	12.61	12.53	12.47	13.50
Channel				631000	639334	647666	656000	664332	
Frequency(MHz)				3465	3590.01	3714.99	3840.00	3964.98	Tune-up power(dBm)
30	QPSK	1	1	12.68	12.65	12.72	12.54	12.39	13.50
Channel				630834	639250	647666	656082	664500	
Frequency(MHz)				3462.51	3588.75	3714.99	3841.23	3967.50	Tune-up power(dBm)
25	QPSK	1	1	12.62	12.64	12.67	12.64	12.45	13.50
Channel				630668	639168	647666	656166	664666	
Frequency(MHz)				3460.02	3587.52	3714.99	3842.49	3969.99	Tune-up power(dBm)
20	QPSK	1	1	12.57	12.64	12.73	12.59	12.38	13.50
Channel				630500	639084	647666	656250	664832	
Frequency(MHz)				3457.50	3586.26	3714.99	3843.75	3972.48	Tune-up power(dBm)
15	QPSK	1	1	12.59	12.54	12.68	12.57	12.37	13.50
Channel				630334	639000	647666	656332	665000	
Frequency(MHz)				3455.01	3585.00	3714.99	3844.98	3975.00	Tune-up power(dBm)
10	QPSK	1	1	12.61	12.51	12.70	12.62	12.35	13.50

8.4.8 NR Band77 Output Power N77-ANT4

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	640500	647666	654832	662000	
Frequency(MHz)				3500.01	3607.50	3714.99	3822.48	3930.00	
100	PI/2 BPSK	1	1	7.56	7.57	7.71	7.53	7.52	8.50
		1	137	7.52	7.53	7.65	7.45	7.48	8.50
		1	271	7.34	7.41	7.58	7.35	7.46	8.50
		135	0	6.96	6.95	7.14	7.02	7.02	8.00
		135	69	7.43	7.48	7.67	7.50	7.43	8.50
		135	138	6.95	6.96	7.16	6.99	6.95	8.00
	QPSK	270	0	6.99	7.04	7.19	7.06	7.01	8.00
		1	1	7.50	7.47	7.64	7.50	7.48	8.50
		1	137	7.34	7.42	7.57	7.32	7.39	8.50
		1	271	7.32	7.43	7.56	7.37	7.35	8.50
		135	0	6.49	6.54	6.66	6.52	6.41	7.50
		135	69	7.35	7.44	7.58	7.40	7.46	8.50
	16QAM	135	138	6.58	6.56	6.70	6.51	6.51	7.50
		270	0	6.45	6.50	6.64	6.40	6.49	7.50
	64QAM	1	1	6.00	6.21	6.50	6.34	6.05	7.50
	256QAM	1	1	5.30	5.30	5.33	5.22	5.22	6.00
	256QAM	1	1	3.18	3.09	3.24	3.17	3.13	4.00
Channel				633000	640334	647666	655000	662332	
Frequency(MHz)				3495	3605.01	3714.99	3825.00	3934.98	Tune-up power(dBm)
90	QPSK	1	1	7.54	7.44	7.60	7.24	7.42	8.50
Channel				632668	640168	647666	655166	662666	
Frequency(MHz)				3490.52	3602.52	3714.99	3827.49	3939.99	Tune-up power(dBm)
80	QPSK	1	1	7.50	7.47	7.66	7.23	7.37	8.50
Channel				632334	640000	647666	655332	663000	
Frequency(MHz)				3485.01	3600.00	3714.99	3829.98	3945.00	Tune-up power(dBm)
70	QPSK	1	1	7.47	7.42	7.59	7.35	7.48	8.50
Channel				632000	639834	647666	655500	663332	
Frequency(MHz)				3480	3597.51	3714.99	3832.50	3949.98	Tune-up power(dBm)
60	QPSK	1	1	7.54	7.43	7.63	7.28	7.49	8.50
Channel				631668	639668	647666	655666	663666	
Frequency(MHz)				3475.02	3595.02	3714.99	3834.99	3954.99	Tune-up power(dBm)
50	QPSK	1	1	7.52	7.48	7.65	7.32	7.41	8.50
Channel				631334	639500	647666	655832	664000	
Frequency(MHz)				3470.01	3592.50	3714.99	3837.48	3960.00	Tune-up power(dBm)
40	QPSK	1	1	7.55	7.53	7.56	7.22	7.40	8.50
Channel				631000	639334	647666	656000	664332	
Frequency(MHz)				3465	3590.01	3714.99	3840.00	3964.98	Tune-up power(dBm)
30	QPSK	1	1	7.54	7.52	7.69	7.36	7.39	8.50
Channel				630834	639250	647666	656082	664500	
Frequency(MHz)				3462.51	3588.75	3714.99	3841.23	3967.50	Tune-up power(dBm)
25	QPSK	1	1	7.43	7.46	7.61	7.33	7.39	8.50
Channel				630668	639168	647666	656166	664666	
Frequency(MHz)				3460.02	3587.52	3714.99	3842.49	3969.99	Tune-up power(dBm)
20	QPSK	1	1	7.45	7.56	7.65	7.25	7.43	8.50
Channel				630500	639084	647666	656250	664832	
Frequency(MHz)				3457.50	3586.26	3714.99	3843.75	3972.48	Tune-up power(dBm)
15	QPSK	1	1	7.48	7.54	7.57	7.34	7.48	8.50
Channel				630334	639000	647666	656332	665000	
Frequency(MHz)				3455.01	3585.00	3714.99	3844.98	3975.00	Tune-up power(dBm)
10	QPSK	1	1	7.43	7.45	7.61	7.26	7.51	8.50

8.4.8 NR Band77 Output Power N77-ANT6

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	640500	647666	654832	662000	
Frequency(MHz)				3500.01	3607.50	3714.99	3822.48	3930.00	
100	PI/2 BPSK	1	1	6.54	6.59	6.69	6.68	6.62	7.50
		1	137	6.56	6.48	6.63	6.62	6.61	7.50
		1	271	6.63	6.50	6.64	6.57	6.63	7.50
		135	0	6.07	6.06	6.09	6.00	6.04	7.00
		135	69	6.65	6.62	6.67	6.59	6.65	7.50
		135	138	6.11	6.07	6.12	6.00	6.09	7.00
	QPSK	270	0	5.98	5.98	6.04	5.90	5.93	7.00
		1	1	6.48	6.44	6.55	6.41	6.43	7.50
		1	137	6.55	6.50	6.64	6.60	6.57	7.50
		1	271	6.54	6.63	6.64	6.54	6.54	7.50
		135	0	5.62	5.59	5.68	5.66	5.53	6.50
		135	69	6.51	6.53	6.63	6.59	6.52	7.50
		135	138	5.39	5.49	5.54	5.44	5.42	6.50
		270	0	5.50	5.49	5.63	5.56	5.51	6.50
	16QAM	1	1	5.32	5.21	5.34	5.19	5.24	6.50
	64QAM	1	1	4.04	4.04	4.05	3.94	4.04	5.00
	256QAM	1	1	2.15	2.12	2.23	2.16	2.18	3.00
Channel				633000	640334	647666	655000	662332	Tune-up power(dBm)
Frequency(MHz)				3495	3605.01	3714.99	3825.00	3934.98	
90	QPSK	1	1	6.46	6.58	6.62	6.57	6.60	7.50
Channel				632668	640168	647666	655166	662666	Tune-up power(dBm)
Frequency(MHz)				3490.02	3602.52	3714.99	3827.49	3939.99	
80	QPSK	1	1	6.53	6.47	6.65	6.62	6.60	7.50
Channel				632334	640000	647666	655332	663000	Tune-up power(dBm)
Frequency(MHz)				3485.01	3600.00	3714.99	3829.98	3945.00	
70	QPSK	1	1	6.52	6.45	6.63	6.66	6.50	7.50
Channel				632000	639834	647666	655500	663332	Tune-up power(dBm)
Frequency(MHz)				3480	3597.51	3714.99	3832.50	3949.98	
60	QPSK	1	1	6.50	6.57	6.57	6.53	6.58	7.50
Channel				631668	639668	647666	655666	663666	Tune-up power(dBm)
Frequency(MHz)				3475.02	3595.02	3714.99	3834.99	3954.99	
50	QPSK	1	1	6.53	6.44	6.54	6.55	6.57	7.50
Channel				631334	639500	647666	655832	664000	Tune-up power(dBm)
Frequency(MHz)				3470.01	3592.50	3714.99	3837.48	3960.00	
40	QPSK	1	1	6.51	6.47	6.58	6.66	6.60	7.50
Channel				631000	639334	647666	656000	664332	Tune-up power(dBm)
Frequency(MHz)				3465	3590.01	3714.99	3840.00	3964.98	
30	QPSK	1	1	6.43	6.49	6.61	6.67	6.54	7.50
Channel				630834	639250	647666	656082	664500	Tune-up power(dBm)
Frequency(MHz)				3462.51	3588.75	3714.99	3841.23	3967.50	
25	QPSK	1	1	6.47	6.48	6.68	6.54	6.54	7.50
Channel				630668	639168	647666	656166	664666	Tune-up power(dBm)
Frequency(MHz)				3460.02	3587.52	3714.99	3842.49	3969.99	
20	QPSK	1	1	6.40	6.44	6.60	6.54	6.50	7.50
Channel				630500	639084	647666	656250	664832	Tune-up power(dBm)
Frequency(MHz)				3457.50	3586.26	3714.99	3843.75	3972.48	
15	QPSK	1	1	6.53	6.47	6.58	6.62	6.49	7.50
Channel				630334	639000	647666	656332	665000	Tune-up power(dBm)
Frequency(MHz)				3455.01	3585.00	3714.99	3844.98	3975.00	
10	QPSK	1	1	6.40	6.58	6.68	6.64	6.53	7.50

8.4.9 NR Band78 Output Power

N78-ANT0							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	641666	650000	
Frequency(MHz)				3500.01	3624.99	3750.00	
100	PI/2 BPSK	1	1	12.81	12.84	12.75	13.50
		1	137	12.55	12.70	12.61	13.50
		1	271	12.68	12.69	12.59	13.50
		135	0	12.13	12.19	12.12	13.00
		135	69	12.56	12.71	12.64	13.50
		135	138	12.10	12.23	12.19	13.00
		270	0	12.14	12.19	12.16	13.00
	QPSK	1	1	12.73	12.83	12.77	13.50
		1	137	12.65	12.70	12.55	13.50
		1	271	12.59	12.71	12.64	13.50
		135	0	11.67	11.69	11.62	12.50
		135	69	12.68	12.82	12.69	13.50
		135	138	11.71	11.78	11.70	12.50
		270	0	11.64	11.74	11.60	12.50
	16QAM	1	1	11.83	11.98	11.84	12.50
	64QAM	1	1	10.01	10.05	9.98	11.00
	256QAM	1	1	8.00	8.15	8.10	9.00
Channel				633000	641666	650332	Tune-up power(dBm)
Frequency(MHz)				3495	3624.99	3754.98	
90	QPSK	1	1	12.69	12.74	12.63	13.50
Channel				632668	641666	650666	Tune-up power(dBm)
Frequency(MHz)				3490.02	3624.99	3759.99	
80	QPSK	1	1	12.80	12.77	12.71	13.50
Channel				632334	641666	651000	Tune-up power(dBm)
Frequency(MHz)				3485.01	3624.99	3765.00	
70	QPSK	1	1	12.75	12.82	12.66	13.50
Channel				632000	641666	651332	Tune-up power(dBm)
Frequency(MHz)				3480	3624.99	3769.98	
60	QPSK	1	1	12.77	12.75	12.74	13.50
Channel				631668	641666	651666	Tune-up power(dBm)
Frequency(MHz)				3475	3624.99	3774.99	
50	QPSK	1	1	12.67	12.79	12.72	13.50
Channel				631334	641666	652000	Tune-up power(dBm)
Frequency(MHz)				3470.01	3624.99	3780.00	
40	QPSK	1	1	12.67	12.78	12.74	13.50
Channel				631000	641666	652332	Tune-up power(dBm)
Frequency(MHz)				3465	3624.99	3784.98	
30	QPSK	1	1	12.66	12.80	12.62	13.50
Channel				630834	641666	652500	Tune-up power(dBm)
Frequency(MHz)				3463	3624.99	3787.50	
25	QPSK	1	1	12.80	12.73	12.62	13.50
Channel				630668	641666	652666	Tune-up power(dBm)
Frequency(MHz)				3460	3624.99	3789.99	
20	QPSK	1	1	12.74	12.80	12.73	13.50
Channel				630500	641666	652832	Tune-up power(dBm)
Frequency(MHz)				3458	3624.99	3792.48	
15	QPSK	1	1	12.80	12.78	12.68	13.50
Channel				630334	641666	653000	Tune-up power(dBm)
Frequency(MHz)				3455	3624.99	3795.00	
10	QPSK	1	1	12.67	12.75	12.66	13.50

8.4.9 NR Band78 Output Power

N78-ANT1							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	641666	650000	
Frequency(MHz)				3500.01	3624.99	3750.00	
100	PI/2 BPSK	1	1	11.67	11.72	11.63	12.50
		1	137	11.61	11.63	11.48	12.50
		1	271	11.52	11.62	11.48	12.50
		135	0	11.03	11.07	11.03	12.00
		135	69	11.59	11.63	11.56	12.50
		135	138	11.04	11.14	11.12	12.00
		270	0	11.05	11.18	11.11	12.00
	QPSK	1	1	11.57	11.68	11.65	12.50
		1	137	11.61	11.65	11.60	12.50
		1	271	11.51	11.62	11.52	12.50
		135	0	10.67	10.71	10.70	11.50
		135	69	11.52	11.60	11.46	12.50
		135	138	10.67	10.76	10.73	11.50
		270	0	10.52	10.65	10.55	11.50
	16QAM	1	1	10.54	10.65	10.53	11.50
	64QAM	1	1	9.20	9.27	9.20	10.00
	256QAM	1	1	7.24	7.33	7.32	8.00
Channel				633000	641666	650332	Tune-up power(dBm)
Frequency(MHz)				3495	3624.99	3754.98	
90	QPSK	1	1	11.54	11.58	11.59	12.50
Channel				632668	641666	650666	Tune-up power(dBm)
Frequency(MHz)				3490.02	3624.99	3759.99	
80	QPSK	1	1	11.65	11.67	11.53	12.50
Channel				632334	641666	651000	Tune-up power(dBm)
Frequency(MHz)				3485.01	3624.99	3765.00	
70	QPSK	1	1	11.52	11.62	11.56	12.50
Channel				632000	641666	651332	Tune-up power(dBm)
Frequency(MHz)				3480	3624.99	3769.98	
60	QPSK	1	1	11.61	11.67	11.62	12.50
Channel				631668	641666	651666	Tune-up power(dBm)
Frequency(MHz)				3475	3624.99	3774.99	
50	QPSK	1	1	11.62	11.64	11.56	12.50
Channel				631334	641666	652000	Tune-up power(dBm)
Frequency(MHz)				3470.01	3624.99	3780.00	
40	QPSK	1	1	11.63	11.66	11.56	12.50
Channel				631000	641666	652332	Tune-up power(dBm)
Frequency(MHz)				3465	3624.99	3784.98	
30	QPSK	1	1	11.52	11.71	11.51	12.50
Channel				630834	641666	652500	Tune-up power(dBm)
Frequency(MHz)				3463	3624.99	3787.50	
25	QPSK	1	1	11.62	11.58	11.55	12.50
Channel				630668	641666	652666	Tune-up power(dBm)
Frequency(MHz)				3460	3624.99	3789.99	
20	QPSK	1	1	11.62	11.67	11.50	12.50
Channel				630500	641666	652832	Tune-up power(dBm)
Frequency(MHz)				3458	3624.99	3792.48	
15	QPSK	1	1	11.61	11.63	11.61	12.50
Channel				630334	641666	653000	Tune-up power(dBm)
Frequency(MHz)				3455	3624.99	3795.00	
10	QPSK	1	1	11.63	11.64	11.48	12.50

8.4.9 NR Band78 Output Power

N78-ANT4							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	641666	650000	Tune-up power(dBm)
Frequency(MHz)				3500.01	3624.99	3750.00	
100	PI/2 BPSK	1	1	5.83	5.92	5.84	7.00
		1	137	5.76	5.79	5.71	7.00
		1	271	5.76	5.77	5.65	7.00
		135	0	5.30	5.31	5.23	6.50
		135	69	5.83	5.85	5.70	7.00
		135	138	5.27	5.28	5.25	6.50
	QPSK	270	0	5.27	5.29	5.16	6.50
		1	1	5.77	5.85	5.83	7.00
		1	137	5.81	5.86	5.74	7.00
		1	271	5.73	5.84	5.72	7.00
		135	0	4.77	4.81	4.66	6.00
		135	69	5.90	5.91	5.87	7.00
		135	138	4.81	4.90	4.81	6.00
		270	0	4.87	4.91	4.88	6.00
	16QAM	1	1	4.72	4.86	4.71	6.00
	64QAM	1	1	3.27	3.33	3.29	4.50
	256QAM	1	1	1.55	1.67	1.59	2.50
Channel				633000	641666	650332	Tune-up power(dBm)
Frequency(MHz)				3495	3624.99	3754.98	
90	QPSK	1	1	5.68	5.86	5.82	7.00
Channel				632668	641666	650666	Tune-up power(dBm)
Frequency(MHz)				3490.02	3624.99	3759.99	
80	QPSK	1	1	5.69	5.85	5.78	7.00
Channel				632334	641666	651000	Tune-up power(dBm)
Frequency(MHz)				3485.01	3624.99	3765.00	
70	QPSK	1	1	5.74	5.87	5.83	7.00
Channel				632000	641666	651332	Tune-up power(dBm)
Frequency(MHz)				3480	3624.99	3769.98	
60	QPSK	1	1	5.80	5.79	5.69	7.00
Channel				631668	641666	651666	Tune-up power(dBm)
Frequency(MHz)				3475	3624.99	3774.99	
50	QPSK	1	1	5.70	5.85	5.70	7.00
Channel				631334	641666	652000	Tune-up power(dBm)
Frequency(MHz)				3470.01	3624.99	3780.00	
40	QPSK	1	1	5.68	5.91	5.79	7.00
Channel				631000	641666	652332	Tune-up power(dBm)
Frequency(MHz)				3465	3624.99	3784.98	
30	QPSK	1	1	5.78	5.87	5.77	7.00
Channel				630834	641666	652500	Tune-up power(dBm)
Frequency(MHz)				3463	3624.99	3787.50	
25	QPSK	1	1	5.73	5.81	5.71	7.00
Channel				630668	641666	652666	Tune-up power(dBm)
Frequency(MHz)				3460	3624.99	3789.99	
20	QPSK	1	1	5.74	5.84	5.80	7.00
Channel				630500	641666	652832	Tune-up power(dBm)
Frequency(MHz)				3458	3624.99	3792.48	
15	QPSK	1	1	5.82	5.91	5.82	7.00
Channel				630334	641666	653000	Tune-up power(dBm)
Frequency(MHz)				3455	3624.99	3795.00	
10	QPSK	1	1	5.78	5.86	5.77	7.00

8.4.9 NR Band78 Output Power

N78-ANT6							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	641666	650000	Tune-up power(dBm)
Frequency(MHz)				3500.01	3624.99	3750.00	
100	PI/2 BPSK	1	1	4.09	4.15	4.06	5.00
		1	137	3.87	4.00	3.87	5.00
		1	271	4.05	4.09	3.97	5.00
		135	0	3.52	3.54	3.42	4.50
		135	69	3.91	3.95	3.82	5.00
		135	138	3.22	3.37	3.27	4.50
	QPSK	270	0	3.46	3.52	3.51	4.50
		1	1	3.97	3.99	3.92	5.00
		1	137	3.91	3.93	3.92	5.00
		1	271	4.01	4.12	4.07	5.00
		135	0	2.87	3.01	2.91	4.00
		135	69	3.81	3.90	3.83	5.00
		135	138	3.00	3.02	2.91	4.00
		270	0	3.03	3.07	2.97	4.00
	16QAM	1	1	2.95	2.97	2.87	4.00
	64QAM	1	1	1.33	1.46	1.35	2.50
	256QAM	1	1	0.10	0.23	0.09	0.50
Channel				633000	641666	650332	Tune-up power(dBm)
Frequency(MHz)				3495	3624.99	3754.98	
90	QPSK	1	1	4.01	4.14	3.94	5.00
Channel				632668	641666	650666	Tune-up power(dBm)
Frequency(MHz)				3490.02	3624.99	3759.99	
80	QPSK	1	1	3.98	4.04	4.04	5.00
Channel				632334	641666	651000	Tune-up power(dBm)
Frequency(MHz)				3485.01	3624.99	3765.00	
70	QPSK	1	1	4.07	4.12	3.94	5.00
Channel				632000	641666	651332	Tune-up power(dBm)
Frequency(MHz)				3480	3624.99	3769.98	
60	QPSK	1	1	4.04	4.11	3.96	5.00
Channel				631668	641666	651666	Tune-up power(dBm)
Frequency(MHz)				3475	3624.99	3774.99	
50	QPSK	1	1	3.95	4.13	4.02	5.00
Channel				631334	641666	652000	Tune-up power(dBm)
Frequency(MHz)				3470.01	3624.99	3780.00	
40	QPSK	1	1	4.05	4.02	3.93	5.00
Channel				631000	641666	652332	Tune-up power(dBm)
Frequency(MHz)				3465	3624.99	3784.98	
30	QPSK	1	1	4.01	4.03	3.99	5.00
Channel				630834	641666	652500	Tune-up power(dBm)
Frequency(MHz)				3463	3624.99	3787.50	
25	QPSK	1	1	3.96	4.04	4.05	5.00
Channel				630668	641666	652666	Tune-up power(dBm)
Frequency(MHz)				3460	3624.99	3789.99	
20	QPSK	1	1	4.08	4.04	4.02	5.00
Channel				630500	641666	652832	Tune-up power(dBm)
Frequency(MHz)				3458	3624.99	3792.48	
15	QPSK	1	1	3.98	4.12	4.05	5.00
Channel				630334	641666	653000	Tune-up power(dBm)
Frequency(MHz)				3455	3624.99	3795.00	
10	QPSK	1	1	3.98	4.12	4.05	5.00