

8 CONDUCTED RF OUTPUT POWER

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8.1 GSM Output Power

GSM 850 ANT1									
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power (dBm)			Tune-up Power(dBm)
Channel	128	190	251			128	190	251	
Frequency (MHz)	824.2	836.6	848.8			824.2	836.6	848.8	
GSM (GMSK, 1-Slot)	25.63	25.84	25.94	27.00	9.19	16.44	16.65	16.75	17.81
GPRS (GMSK, 1-Slot)	25.61	25.83	25.94	27.00	9.19	16.42	16.64	16.75	17.81
GPRS (GMSK, 2-Slots)	24.57	24.78	24.86	26.00	6.13	18.44	18.65	18.73	19.87
GPRS (GMSK, 3-Slots)	22.48	22.65	22.75	23.50	4.42	18.06	18.23	18.33	19.08
GPRS (GMSK, 4-Slots)	21.33	21.48	21.55	22.50	3.18	18.15	18.30	18.37	19.32
GSM 850 ANT3									
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)	26.13	26.25	26.46	27.50	9.19	16.94	17.06	17.27	18.31
GPRS (GMSK, 1-Slot)	26.20	26.25	26.45	27.50	9.19	17.01	17.06	17.26	18.31
GPRS (GMSK, 2-Slots)	25.20	25.37	25.24	26.50	6.13	19.07	19.24	19.11	20.37
GPRS (GMSK, 3-Slots)	22.70	23.02	23.24	24.00	4.42	18.28	18.60	18.82	19.58
GPRS (GMSK, 4-Slots)	21.84	21.85	22.04	22.50	3.18	18.66	18.67	18.86	19.32

GSM 1900 ANT2									
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power(dBm)			Tune-up Power(dBm)
Channel	512	661	810			512	661	810	
Frequency (MHz)	1850.2	1880	1909.8			1850.2	1880	1909.8	
GSM (GMSK, 1-Slot)	28.56	28.62	28.91	29.50	9.19	19.37	19.43	19.72	20.31
GPRS (GMSK, 1-Slot)	28.55	28.59	28.89	29.50	9.19	19.36	19.40	19.70	20.31
GPRS (GMSK, 2-Slots)	27.46	27.51	27.81	28.50	6.13	21.33	21.38	21.68	22.37
GPRS (GMSK, 3-Slots)	25.25	25.26	25.64	26.50	4.42	20.83	20.84	21.22	22.08
GPRS (GMSK, 4-Slots)	24.03	24.07	24.43	25.50	3.18	20.85	20.89	21.25	22.32
GSM 1900 ANT5									
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power(dBm)			Tune-up Power(dBm)
Channel	512	661	810			512	661	810	
Frequency (MHz)	1850.2	1880	1909.8			1850.2	1880	1909.8	
GSM (GMSK, 1-Slot)	28.21	28.09	28.23	29.00	9.19	19.02	18.90	19.04	19.81
GPRS (GMSK, 1-Slot)	28.19	28.07	28.22	29.00	9.19	19.00	18.88	19.03	19.81
GPRS (GMSK, 2-Slots)	27.13	27.15	27.12	28.00	6.13	21.00	21.02	20.99	21.87
GPRS (GMSK, 3-Slots)	24.96	24.81	24.99	26.00	4.42	20.54	20.39	20.57	21.58
GPRS (GMSK, 4-Slots)	23.76	23.61	23.78	24.50	3.18	20.58	20.43	20.60	21.32

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	23.81	23.83	23.76	24.50
HSDPA Subtest-1	23.78	23.81	24.76	24.50
HSDPA Subtest-2	23.74	23.78	23.75	24.50
HSDPA Subtest-3	23.60	23.32	23.61	24.00
HSDPA Subtest-4	23.56	23.27	23.59	24.00
HSUPA Subtest-1	23.74	23.76	23.65	24.00
HSUPA Subtest-2	21.75	21.72	21.62	22.00
HSUPA Subtest-3	22.67	22.79	22.64	23.00
HSUPA Subtest-4	21.76	21.72	21.66	22.00
HSUPA Subtest-5	23.76	23.70	23.74	24.00
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	23.10	23.15	23.01	24.00
HSDPA Subtest-1	23.05	22.92	22.98	24.00
HSDPA Subtest-2	23.06	22.91	23.07	24.00
HSDPA Subtest-3	22.74	22.47	22.76	23.50
HSDPA Subtest-4	22.70	22.43	22.74	23.50
HSUPA Subtest-1	23.08	23.04	22.99	23.50
HSUPA Subtest-2	20.97	21.11	20.95	21.50
HSUPA Subtest-3	21.95	22.09	22.00	22.50
HSUPA Subtest-4	20.99	21.09	20.97	21.50
HSUPA Subtest-5	22.99	23.07	23.03	23.50

WCDMA IV ANT2				
Band	Band 4			Tune-up Limit Power(dBm)
TX Channel	1312	1412	1513	
RX Channel	1537	1633	1738	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	24.06	24.15	24.05	24.50
HSDPA Subtest-1	24.03	24.14	24.03	24.50
HSDPA Subtest-2	24.04	24.10	24.00	24.50
HSDPA Subtest-3	23.57	23.71	23.56	24.00
HSDPA Subtest-4	23.55	23.67	23.54	24.00
HSUPA Subtest-1	23.95	23.96	23.86	24.00
HSUPA Subtest-2	21.86	22.09	21.93	23.00
HSUPA Subtest-3	22.94	23.01	22.82	23.00
HSUPA Subtest-4	21.84	21.99	21.94	22.00
HSUPA Subtest-5	23.81	23.97	23.87	24.00
WCDMA IV ANT5				
Band	Band 4			Tune-up Limit Power(dBm)
TX Channel	1312	1412	1513	
RX Channel	1537	1633	1738	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	23.55	23.64	23.42	24.00
HSDPA Subtest-1	23.62	23.60	23.37	24.00
HSDPA Subtest-2	23.62	23.61	23.37	24.00
HSDPA Subtest-3	23.16	23.17	22.93	23.50
HSDPA Subtest-4	23.14	23.13	22.90	23.50
HSUPA Subtest-1	23.48	23.51	23.28	24.00
HSUPA Subtest-2	21.42	21.54	21.31	22.00
HSUPA Subtest-3	22.49	22.63	22.28	23.00
HSUPA Subtest-4	21.43	21.63	21.31	22.00
HSUPA Subtest-5	23.40	23.58	23.39	24.00

WCDMA V ANT1				
Band	Band 5			Tune-up Limit Power(dBm)
TX Channel	4132	4183	4233	
RX Channel	4357	4409	4458	
Frequency	826.40	836.60	846.60	
RMC 12.2Kbps	20.09	20.24	20.18	21.00
HSDPA Subtest-1	20.15	20.17	20.22	21.00
HSDPA Subtest-2	20.20	20.17	20.14	21.00
HSDPA Subtest-3	19.78	19.73	19.76	20.50
HSDPA Subtest-4	19.73	19.68	19.74	20.50
HSUPA Subtest-1	19.96	20.10	20.08	21.00
HSUPA Subtest-2	17.94	18.08	18.14	19.00
HSUPA Subtest-3	18.95	19.07	19.07	20.00
HSUPA Subtest-4	18.06	18.13	18.15	19.00
HSUPA Subtest-5	20.06	20.16	20.12	21.00
WCDMA V ANT3				
Band	Band 5			Tune-up Limit Power(dBm)
TX Channel	4132	4183	4233	
RX Channel	4357	4409	4458	
Frequency	826.40	836.60	846.60	
RMC 12.2Kbps	20.58	20.62	20.57	21.50
HSDPA Subtest-1	20.56	20.56	20.60	21.50
HSDPA Subtest-2	20.45	20.55	20.42	21.50
HSDPA Subtest-3	20.17	20.09	20.15	21.00
HSDPA Subtest-4	20.12	20.06	20.11	21.00
HSUPA Subtest-1	20.50	20.53	20.49	21.50
HSUPA Subtest-2	18.51	18.52	18.50	19.50
HSUPA Subtest-3	19.50	19.52	19.43	20.50
HSUPA Subtest-4	18.53	18.58	18.48	19.50
HSUPA Subtest-5	20.55	20.54	20.55	21.50

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	1	0	QPSK	22.44	22.59	22.46	23.00
		49	QPSK	22.37	22.51	22.38	23.00
		99	QPSK	22.38	22.48	22.34	23.00
	50	0	QPSK	21.37	21.52	21.42	22.00
		24	QPSK	21.28	21.40	21.31	22.00
		50	QPSK	21.36	21.47	21.35	22.00
	100	0	QPSK	21.46	21.54	21.53	22.00
20	1	0	16QAM	21.44	21.56	21.43	22.00
		49	16QAM	21.51	21.63	21.50	22.00
		99	16QAM	21.47	21.57	21.46	22.00
	50	0	16QAM	20.43	20.47	20.37	21.00
		24	16QAM	20.43	20.55	20.46	21.00
		50	16QAM	20.55	20.59	20.53	21.00
	100	0	16QAM	20.48	20.55	20.42	21.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	1	0	QPSK	22.43	22.58	22.40	23.00
		37	QPSK	22.22	22.49	22.26	23.00
		74	QPSK	22.34	22.41	22.29	23.00
	36	0	QPSK	21.32	21.45	21.39	22.00
		20	QPSK	21.24	21.36	21.28	22.00
		39	QPSK	21.27	21.42	21.21	22.00
	75	0	QPSK	21.37	21.50	21.44	22.00
15	1	0	16QAM	21.40	21.48	21.32	22.00
		37	16QAM	21.49	21.56	21.49	22.00
		74	16QAM	21.36	21.42	21.45	22.00
	36	0	16QAM	20.40	20.36	20.36	21.00
		20	16QAM	20.35	20.47	20.32	21.00
		39	16QAM	20.51	20.55	20.47	21.00
	75	0	16QAM	20.40	20.44	20.40	21.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	1	0	QPSK	22.39	22.44	22.40	23.00
		25	QPSK	22.31	22.40	22.29	23.00
		49	QPSK	22.30	22.35	22.30	23.00
	25	0	QPSK	21.25	21.40	21.36	22.00
		12	QPSK	21.18	21.39	21.18	22.00
		25	QPSK	21.26	21.42	21.25	22.00
	50	0	QPSK	21.31	21.46	21.52	22.00
10	1	0	16QAM	21.36	21.47	21.31	22.00
		25	16QAM	21.48	21.52	21.46	22.00
		49	16QAM	21.42	21.44	21.36	22.00
	25	0	16QAM	20.38	20.46	20.24	21.00
		12	16QAM	20.31	20.42	20.44	21.00
		25	16QAM	20.54	20.44	20.39	21.00
	50	0	16QAM	20.44	20.45	20.40	21.00

LTE B2 ANT2							
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	1	0	QPSK	22.33	22.51	22.42	23.00
		12	QPSK	22.27	22.49	22.24	23.00
		24	QPSK	22.35	22.36	22.32	23.00
	12	0	QPSK	21.22	21.40	21.38	22.00
		7	QPSK	21.16	21.35	21.21	22.00
		13	QPSK	21.35	21.40	21.32	22.00
	25	0	QPSK	21.37	21.50	21.49	22.00
5	1	0	16QAM	21.38	21.47	21.28	22.00
		12	16QAM	21.47	21.60	21.38	22.00
		24	16QAM	21.35	21.44	21.39	22.00
	12	0	16QAM	20.34	20.46	20.23	21.00
		7	16QAM	20.34	20.52	20.33	21.00
		13	16QAM	20.47	20.56	20.43	21.00
	25	0	16QAM	20.33	20.40	20.33	21.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	1	0	QPSK	22.40	22.46	22.38	23.00
		8	QPSK	22.30	22.50	22.33	23.00
		14	QPSK	22.28	22.37	22.23	23.00
	8	0	QPSK	21.33	21.49	21.39	22.00
		4	QPSK	21.17	21.32	21.22	22.00
		7	QPSK	21.29	21.44	21.32	22.00
	15	0	QPSK	21.38	21.48	21.41	22.00
3	1	0	16QAM	21.38	21.55	21.38	22.00
		8	16QAM	21.49	21.49	21.43	22.00
		14	16QAM	21.46	21.49	21.34	22.00
	8	0	16QAM	20.34	20.32	20.36	21.00
		4	16QAM	20.29	20.40	20.36	21.00
		7	16QAM	20.48	20.55	20.46	21.00
	15	0	16QAM	20.35	20.44	20.36	21.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	1	0	QPSK	22.39	22.51	22.38	23.00
		3	QPSK	22.41	22.41	22.32	23.00
		5	QPSK	22.42	22.42	22.40	23.00
	3	0	QPSK	22.34	22.38	22.31	23.00
		1	QPSK	22.30	22.30	22.35	23.00
		3	QPSK	22.30	22.39	22.31	23.00
	6	0	QPSK	21.36	21.45	21.37	22.00
1.4	1	0	16QAM	21.41	21.74	21.43	22.00
		3	16QAM	21.43	21.71	21.33	22.00
		5	16QAM	21.46	21.82	21.50	22.00
	3	0	16QAM	21.38	21.47	21.44	22.00
		1	16QAM	21.40	21.49	21.45	22.00
		3	16QAM	21.40	21.42	21.43	22.00
	6	0	16QAM	20.42	20.23	20.43	21.00

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	1	0	QPSK	22.23	22.33	22.22	23.00
		49	QPSK	22.21	22.26	22.18	23.00
		99	QPSK	22.19	22.25	22.03	23.00
	50	0	QPSK	21.11	21.31	21.12	22.00
		24	QPSK	21.04	21.02	21.04	22.00
		50	QPSK	20.98	21.15	21.10	22.00
	100	0	QPSK	21.14	21.21	21.28	22.00
20	1	0	16QAM	21.21	21.28	21.16	22.00
		49	16QAM	21.26	21.39	21.24	22.00
		99	16QAM	21.22	21.34	21.18	22.00
	50	0	16QAM	20.11	20.12	20.23	21.00
		24	16QAM	20.27	20.21	20.15	21.00
		50	16QAM	20.25	20.32	20.23	21.00
	100	0	16QAM	20.20	20.23	20.26	21.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	1	0	QPSK	22.24	22.29	22.11	23.00
		37	QPSK	22.21	22.20	22.13	23.00
		74	QPSK	22.17	22.31	22.03	23.00
	36	0	QPSK	21.14	21.37	21.13	22.00
		20	QPSK	20.98	21.08	21.09	22.00
		39	QPSK	21.05	21.23	21.07	22.00
	75	0	QPSK	21.15	21.18	21.22	22.00
15	1	0	16QAM	21.18	21.24	21.16	22.00
		37	16QAM	21.25	21.42	21.28	22.00
		74	16QAM	21.23	21.30	21.08	22.00
	36	0	16QAM	20.19	20.18	20.13	21.00
		20	16QAM	20.19	20.29	20.26	21.00
		39	16QAM	20.27	20.27	20.25	21.00
	75	0	16QAM	20.16	20.30	20.23	21.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	1	0	QPSK	22.12	22.30	22.24	23.00
		25	QPSK	22.13	22.28	22.21	23.00
		49	QPSK	22.18	22.21	22.09	23.00
	25	0	QPSK	21.22	21.27	21.06	22.00
		12	QPSK	20.97	21.07	21.03	22.00
		25	QPSK	21.00	21.23	20.99	22.00
	50	0	QPSK	21.12	21.26	21.24	22.00
10	1	0	16QAM	21.22	21.27	21.17	22.00
		25	16QAM	21.24	21.31	21.25	22.00
		49	16QAM	21.25	21.33	21.13	22.00
	25	0	16QAM	20.15	20.20	20.14	21.00
		12	16QAM	20.22	20.33	20.23	21.00
		25	16QAM	20.21	20.39	20.28	21.00
	50	0	16QAM	20.24	20.29	20.24	21.00

LTE B2 ANT5							
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	1	0	QPSK	22.14	22.22	22.11	23.00
		12	QPSK	22.14	22.23	22.16	23.00
		24	QPSK	22.24	22.20	22.02	23.00
	12	0	QPSK	21.18	21.34	21.20	22.00
		7	QPSK	20.98	21.07	21.00	22.00
		13	QPSK	21.04	21.23	21.01	22.00
	25	0	QPSK	21.22	21.26	21.29	22.00
5	1	0	16QAM	21.28	21.24	21.11	22.00
		12	16QAM	21.27	21.29	21.26	22.00
		24	16QAM	21.16	21.30	21.10	22.00
	12	0	16QAM	20.19	20.24	20.18	21.00
		7	16QAM	20.27	20.30	20.16	21.00
		13	16QAM	20.26	20.38	20.24	21.00
	25	0	16QAM	20.22	20.23	20.25	21.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	1	0	QPSK	22.21	22.23	22.18	23.00
		8	QPSK	22.22	22.20	22.20	23.00
		14	QPSK	22.25	22.23	22.05	23.00
	8	0	QPSK	21.13	21.39	21.15	22.00
		4	QPSK	21.05	21.07	21.09	22.00
		7	QPSK	20.97	21.27	21.01	22.00
	15	0	QPSK	21.21	21.30	21.29	22.00
3	1	0	16QAM	21.20	21.23	21.10	22.00
		8	16QAM	21.20	21.38	21.22	22.00
		14	16QAM	21.24	21.23	21.12	22.00
	8	0	16QAM	20.18	20.12	20.10	21.00
		4	16QAM	20.28	20.26	20.18	21.00
		7	16QAM	20.21	20.39	20.24	21.00
	15	0	16QAM	20.12	20.20	20.23	21.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	1	0	QPSK	22.15	22.31	22.17	23.00
		3	QPSK	22.20	22.26	22.24	23.00
		5	QPSK	22.24	22.17	22.15	23.00
	3	0	QPSK	22.02	22.20	22.22	23.00
		1	QPSK	22.18	22.12	22.16	23.00
		3	QPSK	22.05	22.12	22.14	23.00
	6	0	QPSK	21.13	21.21	21.29	22.00
1.4	1	0	16QAM	21.27	21.61	21.12	22.00
		3	16QAM	21.26	21.53	21.17	22.00
		5	16QAM	21.31	21.67	21.15	22.00
	3	0	16QAM	21.11	21.37	21.31	22.00
		1	16QAM	21.05	21.23	21.36	22.00
		3	16QAM	21.17	21.32	21.23	22.00
	6	0	16QAM	20.28	20.19	20.23	21.00

8.3.1 LTE Band2 Output Power

LTE B2 ANT5 ENDC&CA							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	1	0	QPSK	19.14	19.25	19.21	20.00
		49	QPSK	19.17	19.19	19.09	20.00
		99	QPSK	19.18	19.16	18.99	20.00
	50	0	QPSK	18.02	18.26	18.03	19.00
		24	QPSK	17.97	17.93	17.99	19.00
		50	QPSK	17.90	18.13	18.05	19.00
	100	0	QPSK	18.07	18.16	18.24	19.00
20	1	0	16QAM	18.15	18.27	18.12	19.00
		49	16QAM	18.20	18.34	18.21	19.00
		99	16QAM	18.20	18.32	18.14	19.00
	50	0	16QAM	17.05	17.03	17.16	18.00
		24	16QAM	17.24	17.14	17.10	18.00
		50	16QAM	17.18	17.30	17.18	18.00
	100	0	16QAM	17.14	17.21	17.18	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	1	0	QPSK	19.22	19.30	19.18	20.00
		37	QPSK	19.17	19.23	19.11	20.00
		74	QPSK	19.18	19.22	19.00	20.00
	36	0	QPSK	18.10	18.29	18.11	19.00
		20	QPSK	18.03	17.99	17.99	19.00
		39	QPSK	17.90	18.07	18.03	19.00
	75	0	QPSK	18.05	18.17	18.20	19.00
15	1	0	16QAM	18.13	18.21	18.10	19.00
		37	16QAM	18.21	18.33	18.23	19.00
		74	16QAM	18.15	18.33	18.14	19.00
	36	0	16QAM	17.05	17.04	17.18	18.00
		20	16QAM	17.24	17.17	17.06	18.00
		39	16QAM	17.17	17.25	17.14	18.00
	75	0	16QAM	17.16	17.22	17.23	18.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	1	0	QPSK	19.19	19.29	19.20	20.00
		25	QPSK	19.16	19.17	19.15	20.00
		49	QPSK	19.18	19.21	19.01	20.00
	25	0	QPSK	18.03	18.30	18.05	19.00
		12	QPSK	17.98	17.94	18.01	19.00
		25	QPSK	17.96	18.06	18.01	19.00
	50	0	QPSK	18.07	18.15	18.21	19.00
10	1	0	16QAM	18.13	18.19	18.07	19.00
		25	16QAM	18.19	18.31	18.19	19.00
		49	16QAM	18.18	18.26	18.11	19.00
	25	0	16QAM	17.03	17.09	17.15	18.00
		12	16QAM	17.24	17.14	17.07	18.00
		25	16QAM	17.16	17.26	17.15	18.00
	50	0	16QAM	17.11	17.22	17.22	18.00

LTE B2 ANT5 ENDC&CA							
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	1	0	QPSK	19.18	19.29	19.17	20.00
		12	QPSK	19.15	19.23	19.14	20.00
		24	QPSK	19.11	19.22	18.94	20.00
	12	0	QPSK	18.05	18.29	18.04	19.00
		7	QPSK	17.98	18.01	17.99	19.00
		13	QPSK	17.96	18.13	18.06	19.00
	25	0	QPSK	18.11	18.12	18.20	19.00
5	1	0	16QAM	18.15	18.25	18.09	19.00
		12	16QAM	18.24	18.30	18.23	19.00
		24	16QAM	18.17	18.31	18.13	19.00
	12	0	16QAM	17.04	17.03	17.14	18.00
		7	16QAM	17.18	17.19	17.09	18.00
		13	16QAM	17.20	17.29	17.17	18.00
	25	0	16QAM	17.15	17.18	17.25	18.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	1	0	QPSK	19.19	19.32	19.18	20.00
		8	QPSK	19.15	19.23	19.13	20.00
		14	QPSK	19.10	19.23	19.02	20.00
	8	0	QPSK	18.05	18.25	18.05	19.00
		4	QPSK	18.03	17.97	18.00	19.00
		7	QPSK	17.97	18.14	18.01	19.00
	15	0	QPSK	18.11	18.18	18.27	19.00
3	1	0	16QAM	18.20	18.25	18.09	19.00
		8	16QAM	18.23	18.34	18.17	19.00
		14	16QAM	18.18	18.32	18.09	19.00
	8	0	16QAM	17.02	17.09	17.18	18.00
		4	16QAM	17.22	17.12	17.11	18.00
		7	16QAM	17.20	17.31	17.15	18.00
	15	0	16QAM	17.12	17.18	17.23	18.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	1	0	QPSK	19.09	19.26	19.08	20.00
		3	QPSK	19.17	19.19	19.20	20.00
		5	QPSK	19.23	19.12	19.11	20.00
	3	0	QPSK	18.99	19.19	19.18	20.00
		1	QPSK	19.12	19.11	19.14	20.00
		3	QPSK	18.97	19.11	19.10	20.00
	6	0	QPSK	18.07	18.20	18.21	19.00
1.4	1	0	16QAM	18.22	18.54	18.07	19.00
		3	16QAM	18.24	18.49	18.09	19.00
		5	16QAM	18.29	18.60	18.10	19.00
	3	0	16QAM	18.08	18.35	18.25	19.00
		1	16QAM	17.97	18.19	18.35	19.00
		3	16QAM	18.09	18.28	18.14	19.00
	6	0	16QAM	17.27	17.11	17.20	18.00

8.3.2 LTE Band4 Output Power

LTE B4 ANT2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	1	0	QPSK	24.33	24.40	24.30	25.50
		49	QPSK	24.27	24.30	24.25	25.50
		99	QPSK	24.18	24.27	24.16	25.50
	50	0	QPSK	23.90	24.03	24.01	24.50
		24	QPSK	23.91	23.99	23.84	24.50
		50	QPSK	23.78	23.85	23.72	24.50
	100	0	QPSK	24.01	24.09	23.95	24.50
20	1	0	16QAM	24.26	24.27	24.12	24.50
		49	16QAM	23.77	23.92	23.84	24.50
		99	16QAM	23.87	23.91	23.82	24.50
	50	0	16QAM	23.00	23.06	22.97	23.50
		24	16QAM	22.92	22.95	22.83	23.50
		50	16QAM	22.95	22.96	22.94	23.50
	100	0	16QAM	23.06	23.11	23.08	23.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	1	0	QPSK	24.19	24.25	24.15	25.50
		37	QPSK	24.21	24.22	24.14	25.50
		74	QPSK	24.11	24.24	24.04	25.50
	36	0	QPSK	23.76	23.89	23.92	24.50
		20	QPSK	23.81	23.88	23.73	24.50
		39	QPSK	23.73	23.74	23.65	24.50
	75	0	QPSK	23.96	24.01	23.80	24.50
15	1	0	16QAM	24.25	24.16	24.05	24.50
		37	16QAM	23.74	23.82	23.73	24.50
		74	16QAM	23.74	23.78	23.74	24.50
	36	0	16QAM	22.92	23.05	22.93	23.50
		20	16QAM	22.88	22.94	22.73	23.50
		39	16QAM	22.89	22.83	22.92	23.50
	75	0	16QAM	22.96	23.03	22.94	23.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	1	0	QPSK	24.19	24.37	24.26	25.50
		25	QPSK	24.18	24.21	24.13	25.50
		49	QPSK	24.15	24.16	24.06	25.50
	25	0	QPSK	23.85	23.93	23.96	24.50
		12	QPSK	23.83	23.88	23.70	24.50
		25	QPSK	23.75	23.70	23.64	24.50
	50	0	QPSK	23.86	24.07	23.81	24.50
10	1	0	16QAM	24.24	24.15	24.04	24.50
		25	16QAM	23.68	23.89	23.73	24.50
		49	16QAM	23.82	23.83	23.69	24.50
	25	0	16QAM	22.96	22.98	22.84	23.50
		12	16QAM	22.85	22.81	22.80	23.50
		25	16QAM	22.81	22.82	22.89	23.50
	50	0	16QAM	23.00	22.96	23.05	23.50

LTE B4 ANT2							
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	1	0	QPSK	24.23	24.26	24.22	25.50
		12	QPSK	24.24	24.25	24.20	25.50
		24	QPSK	24.06	24.21	24.01	25.50
	12	0	QPSK	23.82	23.94	23.93	24.50
		7	QPSK	23.86	23.92	23.74	24.50
		13	QPSK	23.70	23.73	23.58	24.50
	25	0	QPSK	23.86	24.03	23.83	24.50
5	1	0	16QAM	24.12	24.17	24.00	24.50
		12	16QAM	23.65	23.78	23.74	24.50
		24	16QAM	23.77	23.78	23.76	24.50
	12	0	16QAM	22.98	22.94	22.82	23.50
		7	16QAM	22.91	22.87	22.69	23.50
		13	16QAM	22.85	22.84	22.93	23.50
	25	0	16QAM	23.02	23.07	22.99	23.50
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	1	0	QPSK	24.32	24.38	24.21	25.50
		8	QPSK	24.21	24.24	24.19	25.50
		14	QPSK	24.15	24.16	24.06	25.50
	8	0	QPSK	23.82	24.02	23.91	24.50
		4	QPSK	23.81	23.94	23.75	24.50
		7	QPSK	23.77	23.81	23.70	24.50
	15	0	QPSK	23.95	24.08	23.93	24.50
3	1	0	16QAM	24.24	24.12	24.09	24.50
		8	16QAM	23.72	23.88	23.78	24.50
		14	16QAM	23.79	23.76	23.78	24.50
	8	0	16QAM	22.99	23.01	22.92	23.50
		4	16QAM	22.79	22.94	22.81	23.50
		7	16QAM	22.91	22.82	22.90	23.50
	15	0	16QAM	23.01	22.98	22.96	23.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	1	0	QPSK	24.14	24.26	24.15	25.50
		3	QPSK	24.10	24.21	24.04	25.50
		5	QPSK	24.04	24.11	24.06	25.50
	3	0	QPSK	24.13	24.03	24.09	25.50
		1	QPSK	24.22	24.18	24.11	25.50
		3	QPSK	24.12	24.05	23.95	25.50
	6	0	QPSK	23.31	23.38	23.24	24.50
1.4	1	0	16QAM	23.08	23.13	23.16	24.50
		3	16QAM	23.18	23.25	23.03	24.50
		5	16QAM	23.13	23.17	22.97	24.50
	3	0	16QAM	22.93	23.14	23.00	24.50
		1	16QAM	22.97	23.05	22.91	24.50
		3	16QAM	22.93	22.96	22.90	24.50
	6	0	16QAM	21.90	22.05	21.96	23.50

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	1	0	QPSK	23.41	23.58	23.38	24.50
		49	QPSK	23.32	23.44	23.36	24.50
		99	QPSK	23.35	23.32	23.31	24.50
	50	0	QPSK	22.95	23.11	23.11	23.50
		24	QPSK	23.02	23.14	22.90	23.50
		50	QPSK	22.87	22.90	22.78	23.50
	100	0	QPSK	23.20	23.20	23.01	23.50
20	1	0	16QAM	23.41	23.38	23.31	23.50
		49	16QAM	22.90	23.05	22.95	23.50
		99	16QAM	23.05	23.04	22.95	23.50
	50	0	16QAM	22.08	22.19	22.15	22.50
		24	16QAM	22.11	22.05	21.95	22.50
		50	16QAM	22.14	22.05	22.07	22.50
	100	0	16QAM	22.18	22.30	22.24	22.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	1	0	QPSK	23.31	23.51	23.30	24.50
		37	QPSK	23.17	23.32	23.22	24.50
		74	QPSK	23.22	23.18	23.25	24.50
	36	0	QPSK	22.89	22.98	23.03	23.50
		20	QPSK	23.01	23.08	22.88	23.50
		39	QPSK	22.76	22.86	22.73	23.50
	75	0	QPSK	23.11	23.14	22.88	23.50
15	1	0	16QAM	23.33	23.34	23.28	23.50
		37	16QAM	22.83	22.95	22.87	23.50
		74	16QAM	22.96	22.92	22.90	23.50
	36	0	16QAM	21.93	22.07	22.14	22.50
		20	16QAM	21.98	21.98	21.92	22.50
		39	16QAM	21.99	21.95	22.06	22.50
	75	0	16QAM	22.15	22.20	22.21	22.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	1	0	QPSK	23.36	23.45	23.36	24.50
		25	QPSK	23.19	23.32	23.30	24.50
		49	QPSK	23.24	23.17	23.28	24.50
	25	0	QPSK	22.85	22.99	22.99	23.50
		12	QPSK	22.99	23.00	22.79	23.50
		25	QPSK	22.83	22.81	22.75	23.50
	50	0	QPSK	23.18	23.18	22.93	23.50
10	1	0	16QAM	23.30	23.25	23.21	23.50
		25	16QAM	22.84	22.98	22.83	23.50
		49	16QAM	22.94	22.93	22.90	23.50
	25	0	16QAM	22.00	22.15	22.11	22.50
		12	16QAM	21.99	22.02	21.91	22.50
		25	16QAM	22.09	21.91	21.98	22.50
	50	0	16QAM	22.03	22.28	22.10	22.50

LTE B4 ANT5							
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	1	0	QPSK	23.40	23.49	23.37	24.50
		12	QPSK	23.20	23.40	23.31	24.50
		24	QPSK	23.27	23.18	23.25	24.50
	12	0	QPSK	22.86	23.04	22.99	23.50
		7	QPSK	23.01	23.12	22.81	23.50
		13	QPSK	22.78	22.87	22.64	23.50
	25	0	QPSK	23.13	23.18	22.86	23.50
5	1	0	16QAM	23.27	23.35	23.18	23.50
		12	16QAM	22.85	22.92	22.92	23.50
		24	16QAM	22.98	22.96	22.80	23.50
	12	0	16QAM	21.98	22.11	22.03	22.50
		7	16QAM	22.05	22.04	21.87	22.50
		13	16QAM	22.04	21.93	22.02	22.50
	25	0	16QAM	22.06	22.22	22.09	22.50
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	1	0	QPSK	23.37	23.44	23.25	24.50
		8	QPSK	23.20	23.42	23.28	24.50
		14	QPSK	23.20	23.24	23.16	24.50
	8	0	QPSK	22.83	22.97	22.96	23.50
		4	QPSK	22.91	23.08	22.84	23.50
		7	QPSK	22.86	22.78	22.66	23.50
	15	0	QPSK	23.05	23.18	22.94	23.50
3	1	0	16QAM	23.27	23.25	23.18	23.50
		8	16QAM	22.84	22.94	22.82	23.50
		14	16QAM	23.00	22.98	22.83	23.50
	8	0	16QAM	22.07	22.16	22.13	22.50
		4	16QAM	21.97	21.93	21.90	22.50
		7	16QAM	22.13	21.93	21.97	22.50
	15	0	16QAM	22.09	22.29	22.22	22.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	1	0	QPSK	23.44	23.55	23.43	24.50
		3	QPSK	23.37	23.49	23.39	24.50
		5	QPSK	23.23	23.32	23.34	24.50
	3	0	QPSK	23.47	23.37	23.46	24.50
		1	QPSK	23.43	23.43	23.32	24.50
		3	QPSK	23.30	23.46	23.33	24.50
	6	0	QPSK	22.27	22.53	22.29	23.50
1.4	1	0	16QAM	22.39	22.38	22.22	23.50
		3	16QAM	22.24	22.44	22.26	23.50
		5	16QAM	22.45	22.41	22.35	23.50
	3	0	16QAM	22.30	22.45	22.19	23.50
		1	16QAM	22.23	22.36	22.18	23.50
		3	16QAM	22.25	22.23	22.30	23.50
	6	0	16QAM	21.09	21.37	21.25	22.50

8.3.2 LTE Band4 Output Power

LTE B4 ANT5 ENDC							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	1	0	QPSK	21.32	21.50	21.30	22.50
		49	QPSK	21.25	21.41	21.34	22.50
		99	QPSK	21.29	21.26	21.30	22.50
	50	0	QPSK	20.87	21.09	21.06	21.50
		24	QPSK	20.94	21.08	20.86	21.50
		50	QPSK	20.83	20.84	20.75	21.50
	100	0	QPSK	21.14	21.16	20.99	21.50
20	1	0	16QAM	21.36	21.32	21.23	21.50
		49	16QAM	20.84	20.99	20.89	21.50
		99	16QAM	21.03	21.03	20.88	21.50
	50	0	16QAM	20.05	20.14	20.10	20.50
		24	16QAM	20.07	20.02	19.90	20.50
		50	16QAM	20.13	20.04	20.04	20.50
	100	0	16QAM	20.16	20.23	20.22	20.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	1	0	QPSK	21.33	21.49	21.31	22.50
		37	QPSK	21.30	21.41	21.34	22.50
		74	QPSK	21.34	21.30	21.26	22.50
	36	0	QPSK	20.90	21.06	21.08	21.50
		20	QPSK	20.98	21.06	20.87	21.50
		39	QPSK	20.83	20.84	20.75	21.50
	75	0	QPSK	21.16	21.13	20.95	21.50
15	1	0	16QAM	21.40	21.37	21.26	21.50
		37	16QAM	20.87	21.04	20.86	21.50
		74	16QAM	20.96	20.99	20.93	21.50
	36	0	16QAM	20.02	20.10	20.10	20.50
		20	16QAM	20.03	19.99	19.94	20.50
		39	16QAM	20.11	20.03	19.98	20.50
	75	0	16QAM	20.12	20.26	20.23	20.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	1	0	QPSK	21.36	21.54	21.33	22.50
		25	QPSK	21.31	21.43	21.30	22.50
		49	QPSK	21.34	21.24	21.29	22.50
	25	0	QPSK	20.91	21.06	21.03	21.50
		12	QPSK	20.93	21.12	20.81	21.50
		25	QPSK	20.85	20.89	20.71	21.50
	50	0	QPSK	21.19	21.12	20.95	21.50
10	1	0	16QAM	21.36	21.31	21.29	21.50
		25	16QAM	20.85	20.98	20.88	21.50
		49	16QAM	21.01	20.96	20.93	21.50
	25	0	16QAM	19.99	20.16	20.07	20.50
		12	16QAM	20.09	19.97	19.86	20.50
		25	16QAM	20.11	19.97	20.02	20.50
	50	0	16QAM	20.14	20.26	20.23	20.50

LTE B4 ANT5 ENDC							
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	1	0	QPSK	21.39	21.51	21.36	22.50
		12	QPSK	21.24	21.43	21.35	22.50
		24	QPSK	21.33	21.27	21.30	22.50
	12	0	QPSK	20.91	21.05	21.07	21.50
		7	QPSK	21.00	21.13	20.82	21.50
		13	QPSK	20.85	20.81	20.76	21.50
	25	0	QPSK	21.12	21.19	20.99	21.50
5	1	0	16QAM	21.36	21.34	21.26	21.50
		12	16QAM	20.85	20.97	20.90	21.50
		24	16QAM	20.96	20.97	20.91	21.50
	12	0	16QAM	20.06	20.18	20.06	20.50
		7	16QAM	20.10	19.99	19.87	20.50
		13	16QAM	20.06	20.02	20.05	20.50
	25	0	16QAM	20.12	20.21	20.20	20.50
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	1	0	QPSK	21.34	21.54	21.36	22.50
		8	QPSK	21.28	21.38	21.29	22.50
		14	QPSK	21.34	21.23	21.22	22.50
	8	0	QPSK	20.87	21.04	21.10	21.50
		4	QPSK	20.93	21.05	20.81	21.50
		7	QPSK	20.81	20.88	20.74	21.50
	15	0	QPSK	21.13	21.14	20.93	21.50
3	1	0	16QAM	21.34	21.37	21.28	21.50
		8	16QAM	20.81	21.00	20.87	21.50
		14	16QAM	21.03	20.98	20.92	21.50
	8	0	16QAM	20.05	20.13	20.14	20.50
		4	16QAM	20.07	20.03	19.92	20.50
		7	16QAM	20.10	19.97	20.00	20.50
	15	0	16QAM	20.14	20.26	20.21	20.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	1	0	QPSK	21.36	21.48	21.38	22.50
		3	QPSK	21.36	21.48	21.31	22.50
		5	QPSK	21.15	21.30	21.28	22.50
	3	0	QPSK	21.40	21.31	21.43	22.50
		1	QPSK	21.37	21.40	21.25	22.50
		3	QPSK	21.21	21.43	21.30	22.50
	6	0	QPSK	20.23	20.47	20.24	21.50
1.4	1	0	16QAM	20.37	20.35	20.13	21.50
		3	16QAM	20.22	20.42	20.23	21.50
		5	16QAM	20.37	20.34	20.29	21.50
	3	0	16QAM	20.29	20.42	20.10	21.50
		1	16QAM	20.14	20.31	20.15	21.50
		3	16QAM	20.17	20.17	20.21	21.50
	6	0	16QAM	19.00	19.29	19.19	20.50

8.3.2 LTE Band4 Output Power

LTE B4 ANT5 CA							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	1	0	QPSK	20.26	20.43	20.29	21.50
		49	QPSK	20.19	20.33	20.26	21.50
		99	QPSK	20.21	20.22	20.28	21.50
	50	0	QPSK	19.86	20.08	20.05	20.50
		24	QPSK	19.91	20.07	19.85	20.50
		50	QPSK	19.80	19.80	19.68	20.50
	100	0	QPSK	20.11	20.07	19.97	20.50
20	1	0	16QAM	20.31	20.30	20.18	20.50
		49	16QAM	19.76	19.93	19.87	20.50
		99	16QAM	19.96	20.02	19.84	20.50
	50	0	16QAM	18.98	19.06	19.06	19.50
		24	16QAM	19.02	19.00	18.83	19.50
		50	16QAM	19.09	18.99	19.02	19.50
	100	0	16QAM	19.15	19.14	19.13	19.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	1	0	QPSK	20.25	20.43	20.25	21.50
		37	QPSK	20.18	20.39	20.29	21.50
		74	QPSK	20.23	20.20	20.23	21.50
	36	0	QPSK	19.80	20.00	19.97	20.50
		20	QPSK	19.85	20.02	19.80	20.50
		39	QPSK	19.77	19.76	19.72	20.50
	75	0	QPSK	20.12	20.07	19.97	20.50
15	1	0	16QAM	20.32	20.29	20.16	20.50
		37	16QAM	19.82	19.96	19.81	20.50
		74	16QAM	20.02	19.98	19.83	20.50
	36	0	16QAM	18.97	19.10	19.05	19.50
		20	16QAM	19.04	18.93	18.87	19.50
		39	16QAM	19.12	19.01	19.03	19.50
	75	0	16QAM	19.14	19.18	19.16	19.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	1	0	QPSK	20.26	20.45	20.22	21.50
		25	QPSK	20.18	20.32	20.26	21.50
		49	QPSK	20.22	20.22	20.23	21.50
	25	0	QPSK	19.83	20.00	19.99	20.50
		12	QPSK	19.89	20.00	19.84	20.50
		25	QPSK	19.75	19.80	19.70	20.50
	50	0	QPSK	20.07	20.11	19.90	20.50
10	1	0	16QAM	20.29	20.29	20.17	20.50
		25	16QAM	19.77	19.92	19.82	20.50
		49	16QAM	19.99	19.95	19.80	20.50
	25	0	16QAM	19.04	19.12	19.05	19.50
		12	16QAM	18.98	18.98	18.85	19.50
		25	16QAM	19.09	18.97	18.96	19.50
	50	0	16QAM	19.12	19.15	19.13	19.50

LTE B4 ANT5 CA							
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	1	0	QPSK	20.24	20.48	20.21	21.50
		12	QPSK	20.20	20.33	20.29	21.50
		24	QPSK	20.27	20.24	20.25	21.50
	12	0	QPSK	19.83	20.08	19.98	20.50
		7	QPSK	19.88	20.00	19.81	20.50
		13	QPSK	19.82	19.78	19.67	20.50
	25	0	QPSK	20.09	20.13	19.92	20.50
5	1	0	16QAM	20.32	20.27	20.18	20.50
		12	16QAM	19.83	19.91	19.83	20.50
		24	16QAM	20.00	19.95	19.86	20.50
	12	0	16QAM	19.02	19.10	19.03	19.50
		7	16QAM	19.06	18.98	18.87	19.50
		13	16QAM	19.05	18.96	18.95	19.50
	25	0	16QAM	19.15	19.18	19.20	19.50
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	1	0	QPSK	20.29	20.42	20.23	21.50
		8	QPSK	20.19	20.35	20.27	21.50
		14	QPSK	20.27	20.25	20.21	21.50
	8	0	QPSK	19.81	20.08	20.01	20.50
		4	QPSK	19.93	20.06	19.82	20.50
		7	QPSK	19.79	19.80	19.72	20.50
	15	0	QPSK	20.08	20.09	19.94	20.50
3	1	0	16QAM	20.27	20.25	20.14	20.50
		8	16QAM	19.80	19.97	19.87	20.50
		14	16QAM	19.94	20.00	19.82	20.50
	8	0	16QAM	19.02	19.10	19.03	19.50
		4	16QAM	18.99	18.95	18.83	19.50
		7	16QAM	19.05	18.97	18.96	19.50
	15	0	16QAM	19.11	19.14	19.19	19.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	1	0	QPSK	20.34	20.41	20.35	21.50
		3	QPSK	20.32	20.43	20.22	21.50
		5	QPSK	20.07	20.22	20.27	21.50
	3	0	QPSK	20.38	20.24	20.39	21.50
		1	QPSK	20.31	20.33	20.23	21.50
		3	QPSK	20.19	20.42	20.22	21.50
	6	0	QPSK	19.19	19.45	19.15	20.50
1.4	1	0	16QAM	19.29	19.31	19.09	20.50
		3	16QAM	19.17	19.40	19.15	20.50
		5	16QAM	19.32	19.25	19.28	20.50
	3	0	16QAM	19.25	19.36	19.08	20.50
		1	16QAM	19.13	19.30	19.10	20.50
		3	16QAM	19.11	19.09	19.16	20.50
	6	0	16QAM	17.96	18.21	18.15	19.50

8.3.3 LTE Band5 Output Power

LTE B5 ANT1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	1	0	QPSK	19.67	19.71	19.64	20.50
		25	QPSK	19.53	19.60	19.58	20.50
		49	QPSK	19.48	19.57	19.47	20.50
	25	0	QPSK	18.65	18.74	18.69	19.50
		12	QPSK	18.50	18.60	18.52	19.50
		25	QPSK	18.60	18.61	18.55	19.50
	50	0	QPSK	18.48	18.62	18.53	19.50
10	1	0	16QAM	18.91	18.93	18.86	19.50
		25	16QAM	18.64	18.68	18.54	19.50
		49	16QAM	18.57	18.62	18.60	19.50
	25	0	16QAM	17.63	17.71	17.65	18.50
		12	16QAM	17.56	17.68	17.66	18.50
		25	16QAM	17.63	17.72	17.65	18.50
	50	0	16QAM	17.53	17.66	17.58	18.50
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	1	0	QPSK	19.63	19.57	19.58	20.50
		12	QPSK	19.40	19.47	19.49	20.50
		24	QPSK	19.45	19.44	19.41	20.50
	12	0	QPSK	18.54	18.69	18.67	19.50
		7	QPSK	18.46	18.53	18.50	19.50
		13	QPSK	18.46	18.58	18.53	19.50
	25	0	QPSK	18.45	18.50	18.46	19.50
5	1	0	16QAM	18.84	18.79	18.79	19.50
		12	16QAM	18.50	18.61	18.49	19.50
		24	16QAM	18.47	18.59	18.55	19.50
	12	0	16QAM	17.62	17.58	17.61	18.50
		7	16QAM	17.54	17.63	17.54	18.50
		13	16QAM	17.62	17.67	17.62	18.50
	25	0	16QAM	17.44	17.64	17.46	18.50
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	1	0	QPSK	19.54	19.62	19.49	20.50
		8	QPSK	19.44	19.49	19.50	20.50
		14	QPSK	19.37	19.44	19.44	20.50
	8	0	QPSK	18.53	18.71	18.65	19.50
		4	QPSK	18.47	18.45	18.48	19.50
		7	QPSK	18.52	18.55	18.43	19.50
	15	0	QPSK	18.34	18.58	18.49	19.50
3	1	0	16QAM	18.80	18.87	18.76	19.50
		8	16QAM	18.59	18.58	18.52	19.50
		14	16QAM	18.45	18.53	18.46	19.50
	8	0	16QAM	17.60	17.62	17.59	18.50
		4	16QAM	17.52	17.62	17.55	18.50
		7	16QAM	17.53	17.71	17.58	18.50
	15	0	16QAM	17.48	17.51	17.55	18.50
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	1	0	QPSK	19.51	19.63	19.47	20.50
		3	QPSK	19.60	19.60	19.43	20.50
		5	QPSK	19.62	19.47	19.43	20.50
	3	0	QPSK	19.56	19.41	19.39	20.50
		1	QPSK	19.54	19.39	19.36	20.50
		3	QPSK	19.55	19.41	19.37	20.50
	6	0	QPSK	18.59	18.48	18.40	19.50
1.4	1	0	16QAM	18.63	18.60	18.84	19.50
		3	16QAM	18.58	18.54	18.72	19.50
		5	16QAM	18.63	18.59	18.81	19.50
	3	0	16QAM	18.72	18.43	18.55	19.50
		1	16QAM	18.71	18.45	18.55	19.50
		3	16QAM	18.71	18.47	18.55	19.50
	6	0	16QAM	17.74	17.58	17.28	18.50

LTE B5 ANT3							
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	1	0	QPSK	19.57	19.67	19.60	20.50
		25	QPSK	19.50	19.47	19.57	20.50
		49	QPSK	19.46	19.43	19.37	20.50
	25	0	QPSK	18.57	18.71	18.59	19.50
		12	QPSK	18.39	18.50	18.39	19.50
		25	QPSK	18.52	18.64	18.37	19.50
50	0	QPSK	18.26	18.61	18.54	19.50	
10	1	0	16QAM	18.69	18.80	18.78	19.50
		25	16QAM	18.57	18.55	18.40	19.50
		49	16QAM	18.50	18.51	18.44	19.50
	25	0	16QAM	17.44	17.59	17.55	18.50
		12	16QAM	17.45	17.54	17.56	18.50
		25	16QAM	17.59	17.59	17.45	18.50
50	0	16QAM	17.40	17.52	17.48	18.50	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	1	0	QPSK	19.46	19.63	19.55	20.50
		12	QPSK	19.47	19.41	19.45	20.50
		24	QPSK	19.34	19.42	19.26	20.50
	12	0	QPSK	18.56	18.57	18.46	19.50
		7	QPSK	18.34	18.38	18.29	19.50
		13	QPSK	18.49	18.51	18.26	19.50
25	0	QPSK	18.13	18.54	18.43	19.50	
5	1	0	16QAM	18.56	18.69	18.72	19.50
		12	16QAM	18.52	18.48	18.28	19.50
		24	16QAM	18.37	18.45	18.38	19.50
	12	0	16QAM	17.40	17.52	17.53	18.50
		7	16QAM	17.39	17.45	17.55	18.50
		13	16QAM	17.56	17.52	17.37	18.50
25	0	16QAM	17.31	17.37	17.37	18.50	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	1	0	QPSK	19.55	19.60	19.50	20.50
		8	QPSK	19.43	19.41	19.48	20.50
		14	QPSK	19.33	19.30	19.27	20.50
	8	0	QPSK	18.45	18.64	18.49	19.50
		4	QPSK	18.37	18.35	18.25	19.50
		7	QPSK	18.38	18.63	18.33	19.50
15	0	QPSK	18.12	18.60	18.41	19.50	
3	1	0	16QAM	18.60	18.65	18.74	19.50
		8	16QAM	18.47	18.50	18.30	19.50
		14	16QAM	18.41	18.47	18.34	19.50
	8	0	16QAM	17.37	17.51	17.53	18.50
		4	16QAM	17.40	17.49	17.49	18.50
		7	16QAM	17.58	17.45	17.30	18.50
15	0	16QAM	17.34	17.50	17.38	18.50	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	1	0	QPSK	19.46	19.51	19.39	20.50
		3	QPSK	19.57	19.56	19.33	20.50
		5	QPSK	19.55	19.44	19.36	20.50
	3	0	QPSK	19.47	19.29	19.35	20.50
		1	QPSK	19.42	19.29	19.37	20.50
		3	QPSK	19.56	19.42	19.28	20.50
6	0	QPSK	18.49	18.39	18.33	19.50	
1.4	1	0	16QAM	18.58	18.50	18.76	19.50
		3	16QAM	18.58	18.55	18.74	19.50
		5	16QAM	18.55	18.49	18.79	19.50
	3	0	16QAM	18.72	18.40	18.45	19.50
		1	16QAM	18.59	18.45	18.46	19.50
		3	16QAM	18.69	18.46	18.45	19.50
6	0	16QAM	17.71	17.49	17.19	18.50	

LTE B5 ANT3 ENDC							
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	1	0	QPSK	18.00	18.10	18.07	19.00
		25	QPSK	17.93	17.89	18.01	19.00
		49	QPSK	17.89	17.90	17.81	19.00
	25	0	QPSK	17.01	17.13	17.08	18.00
		12	QPSK	16.85	16.95	16.80	18.00
		25	QPSK	16.95	17.05	16.83	18.00
	50	0	QPSK	16.70	17.02	17.01	18.00
10	1	0	16QAM	17.14	17.24	17.22	18.00
		25	16QAM	16.98	17.01	16.86	18.00
		49	16QAM	16.96	16.94	16.90	18.00
	25	0	16QAM	15.87	16.03	16.00	17.00
		12	16QAM	15.87	15.95	15.99	17.00
		25	16QAM	16.07	16.06	15.89	17.00
	50	0	16QAM	15.88	15.95	15.92	17.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	1	0	QPSK	18.05	18.15	18.03	19.00
		12	QPSK	17.93	17.88	17.99	19.00
		24	QPSK	17.88	17.92	17.85	19.00
	12	0	QPSK	17.00	17.15	17.05	18.00
		7	QPSK	16.87	16.96	16.88	18.00
		13	QPSK	16.97	17.10	16.79	18.00
	25	0	QPSK	16.73	17.07	16.99	18.00
5	1	0	16QAM	17.17	17.28	17.23	18.00
		12	16QAM	17.03	16.98	16.89	18.00
		24	16QAM	16.96	16.93	16.89	18.00
	12	0	16QAM	15.89	16.03	16.02	17.00
		7	16QAM	15.86	16.01	15.98	17.00
		13	16QAM	16.05	16.00	15.92	17.00
	25	0	16QAM	15.86	16.01	15.96	17.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	1	0	QPSK	18.06	18.14	18.07	19.00
		8	QPSK	17.94	17.90	18.00	19.00
		14	QPSK	17.89	17.89	17.82	19.00
	8	0	QPSK	17.01	17.14	17.02	18.00
		4	QPSK	16.82	16.93	16.81	18.00
		7	QPSK	16.93	17.09	16.78	18.00
	15	0	QPSK	16.72	17.05	17.00	18.00
3	1	0	16QAM	17.18	17.21	17.23	18.00
		8	16QAM	16.99	17.01	16.83	18.00
		14	16QAM	16.99	16.98	16.90	18.00
	8	0	16QAM	15.91	16.01	16.04	17.00
		4	16QAM	15.86	15.98	15.98	17.00
		7	16QAM	16.01	16.02	15.93	17.00
	15	0	16QAM	15.89	15.96	15.93	17.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	1	0	QPSK	17.88	17.97	17.85	19.00
		3	QPSK	18.05	17.97	17.82	19.00
		5	QPSK	18.01	17.85	17.78	19.00
	3	0	QPSK	17.90	17.78	17.81	19.00
		1	QPSK	17.88	17.73	17.79	19.00
		3	QPSK	18.01	17.83	17.72	19.00
	6	0	QPSK	16.98	16.81	16.79	18.00
1.4	1	0	16QAM	17.04	16.94	17.23	18.00
		3	16QAM	17.05	16.99	17.19	18.00
		5	16QAM	17.02	16.97	17.25	18.00
	3	0	16QAM	17.19	16.86	16.87	18.00
		1	16QAM	17.04	16.86	16.88	18.00
		3	16QAM	17.16	16.89	16.94	18.00
	6	0	16QAM	16.16	15.93	15.60	17.00

8.3.4 LTE Band7 Output Power

LTE B7 ANT2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	1	0	QPSK	20.78	20.83	20.78	21.50
		49	QPSK	20.65	20.80	20.66	21.50
		99	QPSK	20.55	20.70	20.56	21.50
	50	0	QPSK	19.66	19.77	19.66	20.50
		24	QPSK	19.66	19.68	19.64	20.50
		50	QPSK	19.66	19.77	19.66	20.50
	100	0	QPSK	19.74	19.82	19.79	20.50
20	1	0	16QAM	19.93	19.95	19.87	20.50
		49	16QAM	19.62	19.76	19.66	20.50
		99	16QAM	19.59	19.68	19.63	20.50
	50	0	16QAM	18.74	18.80	18.72	19.50
		24	16QAM	18.80	18.81	18.68	19.50
		50	16QAM	18.78	18.80	18.70	19.50
	100	0	16QAM	18.68	18.76	18.72	19.50
Channel				20825	21100	21375	Tune-up power(dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	1	0	QPSK	20.75	20.76	20.69	21.50
		37	QPSK	20.58	20.73	20.53	21.50
		74	QPSK	20.45	20.62	20.43	21.50
	36	0	QPSK	19.55	19.65	19.58	20.50
		20	QPSK	19.61	19.59	19.51	20.50
		39	QPSK	19.59	19.70	19.54	20.50
	75	0	QPSK	19.66	19.78	19.76	20.50
15	1	0	16QAM	19.79	19.90	19.83	20.50
		37	16QAM	19.60	19.64	19.54	20.50
		74	16QAM	19.55	19.67	19.56	20.50
	36	0	16QAM	18.60	18.71	18.67	19.50
		20	16QAM	18.69	18.72	18.55	19.50
		39	16QAM	18.72	18.74	18.67	19.50
	75	0	16QAM	18.53	18.61	18.64	19.50
Channel				20800	21100	21400	Tune-up power(dBm)
Frequency (MHz)				2505	2535	2565	
10	1	0	QPSK	20.72	20.72	20.66	21.50
		25	QPSK	20.50	20.75	20.53	21.50
		49	QPSK	20.42	20.67	20.46	21.50
	25	0	QPSK	19.64	19.75	19.58	20.50
		12	QPSK	19.51	19.58	19.51	20.50
		25	QPSK	19.55	19.67	19.51	20.50
	50	0	QPSK	19.70	19.75	19.68	20.50
10	1	0	16QAM	19.82	19.81	19.80	20.50
		25	16QAM	19.54	19.74	19.58	20.50
		49	16QAM	19.48	19.59	19.60	20.50
	25	0	16QAM	18.66	18.76	18.60	19.50
		12	16QAM	18.75	18.74	18.67	19.50
		25	16QAM	18.70	18.71	18.65	19.50
	50	0	16QAM	18.67	18.61	18.67	19.50
Channel				20775	21100	21425	Tune-up power(dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	1	0	QPSK	20.71	20.68	20.70	21.50
		12	QPSK	20.62	20.78	20.52	21.50
		24	QPSK	20.41	20.64	20.43	21.50
	12	0	QPSK	19.53	19.70	19.65	20.50
		7	QPSK	19.57	19.59	19.59	20.50
		13	QPSK	19.54	19.70	19.61	20.50
	25	0	QPSK	19.73	19.74	19.72	20.50
5	1	0	16QAM	19.90	19.93	19.75	20.50
		12	16QAM	19.47	19.73	19.57	20.50
		24	16QAM	19.54	19.55	19.59	20.50
	12	0	16QAM	18.64	18.69	18.65	19.50
		7	16QAM	18.67	18.75	18.67	19.50
		13	16QAM	18.66	18.77	18.58	19.50
	25	0	16QAM	18.54	18.72	18.58	19.50

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	1	0	QPSK	21.04	21.09	21.06	21.50
		49	QPSK	20.93	21.06	20.82	21.50
		99	QPSK	20.74	20.91	20.81	21.50
	50	0	QPSK	19.83	20.05	19.95	20.50
		24	QPSK	19.92	19.91	19.92	20.50
		50	QPSK	19.87	19.99	19.83	20.50
	100	0	QPSK	19.89	20.02	20.08	20.50
20	1	0	16QAM	20.19	20.17	20.06	20.50
		49	16QAM	19.82	19.98	19.82	20.50
		99	16QAM	19.86	19.95	19.81	20.50
	50	0	16QAM	18.98	18.98	18.93	19.50
		24	16QAM	19.05	18.96	18.96	19.50
		50	16QAM	19.05	18.96	18.88	19.50
	100	0	16QAM	18.84	18.91	18.99	19.50
Channel				20825	21100	21375	Tune-up power(dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	1	0	QPSK	20.89	21.07	20.97	21.50
		37	QPSK	20.80	20.98	20.72	21.50
		74	QPSK	20.63	20.84	20.69	21.50
	36	0	QPSK	19.71	19.97	19.88	20.50
		20	QPSK	19.77	19.83	19.86	20.50
		39	QPSK	19.83	19.95	19.72	20.50
	75	0	QPSK	19.79	19.89	20.04	20.50
15	1	0	16QAM	20.08	20.05	20.05	20.50
		37	16QAM	19.70	19.87	19.81	20.50
		74	16QAM	19.80	19.90	19.77	20.50
	36	0	16QAM	18.97	18.90	18.83	19.50
		20	16QAM	18.92	18.89	18.93	19.50
		39	16QAM	19.03	18.82	18.79	19.50
	75	0	16QAM	18.74	18.90	18.87	19.50
Channel				20800	21100	21400	Tune-up power(dBm)
Frequency (MHz)				2505	2535	2565	
10	1	0	QPSK	20.98	21.06	21.05	21.50
		25	QPSK	20.91	20.93	20.74	21.50
		49	QPSK	20.67	20.77	20.73	21.50
	25	0	QPSK	19.71	19.91	19.87	20.50
		12	QPSK	19.89	19.90	19.85	20.50
		25	QPSK	19.76	20.03	19.77	20.50
	50	0	QPSK	19.83	19.89	20.03	20.50
10	1	0	16QAM	20.12	20.07	20.00	20.50
		25	16QAM	19.67	19.96	19.69	20.50
		49	16QAM	19.77	19.80	19.78	20.50
	25	0	16QAM	18.94	18.87	18.89	19.50
		12	16QAM	19.02	18.85	18.82	19.50
		25	16QAM	19.04	18.85	18.74	19.50
	50	0	16QAM	18.80	18.81	18.96	19.50
Channel				20775	21100	21425	Tune-up power(dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	1	0	QPSK	20.97	20.96	21.05	21.50
		12	QPSK	20.88	21.01	20.67	21.50
		24	QPSK	20.64	20.78	20.66	21.50
	12	0	QPSK	19.81	19.98	19.83	20.50
		7	QPSK	19.88	19.89	19.81	20.50
		13	QPSK	19.79	19.90	19.69	20.50
	25	0	QPSK	19.78	19.90	19.97	20.50
5	1	0	16QAM	20.18	20.08	19.91	20.50
		12	16QAM	19.67	19.86	19.81	20.50
		24	16QAM	19.84	19.92	19.71	20.50
	12	0	16QAM	18.85	18.97	18.89	19.50
		7	16QAM	18.93	18.87	18.95	19.50
		13	16QAM	19.02	18.84	18.81	19.50
	25	0	16QAM	18.78	18.86	18.87	19.50

8.3.5 LTE Band12 Output Power

LTE B12 ANT1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	1	0	QPSK	24.54	24.58	24.46	25.00
		25	QPSK	24.47	24.52	24.44	25.00
		49	QPSK	24.36	24.48	24.36	25.00
	25	0	QPSK	23.55	23.61	23.51	24.00
		12	QPSK	23.52	23.60	23.50	24.00
		25	QPSK	23.55	23.57	23.44	24.00
10	50	0	QPSK	23.51	23.54	23.52	24.00
		0	16QAM	23.67	23.71	23.61	24.00
		25	16QAM	23.48	23.55	23.54	24.00
	1	49	16QAM	23.43	23.48	23.41	24.00
		0	16QAM	22.58	22.59	22.50	23.00
		12	16QAM	22.49	22.53	22.50	23.00
10	25	25	16QAM	22.43	22.52	22.50	23.00
		0	16QAM	22.45	22.53	22.44	23.00
		0	16QAM	22.45	22.53	22.44	23.00
	Channel			23035	23095	23155	Tune-up power(dBm)
				701.5	707.5	713.5	
				701.5	707.5	713.5	
5	1	0	QPSK	24.42	24.46	24.36	25.00
		12	QPSK	24.32	24.39	24.43	25.00
		24	QPSK	24.25	24.33	24.21	25.00
	12	0	QPSK	23.47	23.51	23.41	24.00
		7	QPSK	23.47	23.46	23.38	24.00
		13	QPSK	23.44	23.43	23.43	24.00
5	25	0	QPSK	23.44	23.48	23.51	24.00
		0	16QAM	23.52	23.68	23.46	24.00
		12	16QAM	23.45	23.45	23.51	24.00
	1	24	16QAM	23.30	23.37	23.38	24.00
		0	16QAM	22.46	22.45	22.42	23.00
		7	16QAM	22.46	22.39	22.40	23.00
5	12	13	16QAM	22.34	22.41	22.47	23.00
		0	16QAM	22.35	22.46	22.42	23.00
		0	16QAM	22.35	22.46	22.42	23.00
	Channel			23025	23095	23165	Tune-up power(dBm)
				700.5	707.5	714.5	
				700.5	707.5	714.5	
3	1	0	QPSK	24.49	24.45	24.33	25.00
		8	QPSK	24.35	24.39	24.35	25.00
		14	QPSK	24.22	24.34	24.27	25.00
	8	0	QPSK	23.50	23.51	23.37	24.00
		4	QPSK	23.51	23.59	23.41	24.00
		7	QPSK	23.50	23.46	23.32	24.00
3	15	0	QPSK	23.37	23.52	23.51	24.00
		0	16QAM	23.53	23.67	23.48	24.00
		8	16QAM	23.45	23.51	23.48	24.00
	1	14	16QAM	23.36	23.36	23.30	24.00
		0	16QAM	22.54	22.56	22.46	23.00
		4	16QAM	22.40	22.42	22.47	23.00
3	8	7	16QAM	22.30	22.41	22.46	23.00
		0	16QAM	22.42	22.51	22.30	23.00
		0	16QAM	22.42	22.51	22.30	23.00
	Channel			23017	23095	23173	Tune-up power(dBm)
				699.7	707.5	715.3	
				699.7	707.5	715.3	
1.4	1	0	QPSK	24.35	24.43	24.21	25.00
		3	QPSK	24.43	24.39	24.19	25.00
		5	QPSK	24.38	24.39	24.22	25.00
	3	0	QPSK	24.32	24.33	24.21	25.00
		1	QPSK	24.32	24.32	24.19	25.00
		3	QPSK	24.34	24.33	24.21	25.00
1.4	6	0	QPSK	23.39	23.37	23.22	25.00
		0	16QAM	23.50	23.81	23.31	24.00
		3	16QAM	23.45	23.70	23.18	24.00
	1	5	16QAM	23.58	23.78	23.24	24.00
		0	16QAM	23.38	23.51	23.39	25.00
		1	16QAM	23.40	23.49	23.36	25.00
1.4	3	3	16QAM	23.43	23.48	23.36	25.00
		0	16QAM	22.51	22.26	22.40	25.00
		0	16QAM	22.51	22.26	22.40	25.00

8.3.5 LTE Band12 Output Power

LTE B12 ANT3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	1	0	QPSK	24.51	24.52	24.42	25.00
		25	QPSK	24.41	24.46	24.30	25.00
		49	QPSK	24.33	24.45	24.28	25.00
	25	0	QPSK	23.48	23.51	23.36	24.00
		12	QPSK	23.49	23.49	23.47	24.00
		25	QPSK	23.40	23.55	23.37	24.00
	50	0	QPSK	23.50	23.57	23.45	24.00
10	1	0	16QAM	23.66	23.69	23.56	24.00
		25	16QAM	23.41	23.44	23.50	24.00
		49	16QAM	23.29	23.35	23.34	24.00
	25	0	16QAM	22.47	22.48	22.45	23.00
		12	16QAM	22.42	22.45	22.35	23.00
		25	16QAM	22.31	22.41	22.47	23.00
	50	0	16QAM	22.44	22.50	22.29	23.00
Channel				23035	23095	23155	Tune-up power(dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	1	0	QPSK	24.42	24.46	24.39	25.00
		12	QPSK	24.34	24.42	24.43	25.00
		24	QPSK	24.21	24.34	24.26	25.00
	12	0	QPSK	23.45	23.50	23.36	24.00
		7	QPSK	23.46	23.51	23.37	24.00
		13	QPSK	23.53	23.48	23.32	24.00
	25	0	QPSK	23.45	23.45	23.41	24.00
5	1	0	16QAM	23.60	23.58	23.57	24.00
		12	16QAM	23.39	23.52	23.49	24.00
		24	16QAM	23.30	23.43	23.29	24.00
	12	0	16QAM	22.44	22.55	22.43	23.00
		7	16QAM	22.42	22.40	22.39	23.00
		13	16QAM	22.36	22.47	22.44	23.00
	25	0	16QAM	22.43	22.50	22.37	23.00
Channel				23025	23095	23165	Tune-up power(dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	1	0	QPSK	24.40	24.48	24.31	25.00
		8	QPSK	24.46	24.46	24.36	25.00
		14	QPSK	24.28	24.43	24.28	25.00
	8	0	QPSK	23.49	23.47	23.48	24.00
		4	QPSK	23.47	23.56	23.45	24.00
		7	QPSK	23.48	23.43	23.41	24.00
	15	0	QPSK	23.41	23.52	23.44	24.00
3	1	0	16QAM	23.65	23.60	23.60	24.00
		8	16QAM	23.38	23.47	23.53	24.00
		14	16QAM	23.31	23.41	23.40	24.00
	8	0	16QAM	22.47	22.53	22.37	23.00
		4	16QAM	22.47	22.38	22.44	23.00
		7	16QAM	22.34	22.42	22.37	23.00
	15	0	16QAM	22.34	22.50	22.40	23.00
Channel				23017	23095	23173	Tune-up power(dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	1	0	QPSK	24.25	24.33	24.08	25.00
		3	QPSK	24.31	24.38	24.05	25.00
		5	QPSK	24.30	24.33	24.07	25.00
	3	0	QPSK	24.19	24.25	24.06	25.00
		1	QPSK	24.30	24.17	24.05	25.00
		3	QPSK	24.21	24.23	24.13	25.00
	6	0	QPSK	23.37	23.33	23.19	23.50
1.4	1	0	16QAM	23.40	23.80	23.29	24.00
		3	16QAM	23.38	23.57	23.03	24.00
		5	16QAM	23.49	23.69	23.20	24.00
	3	0	16QAM	23.30	23.48	23.27	23.50
		1	16QAM	23.26	23.41	23.22	23.50
		3	16QAM	23.31	23.43	23.31	23.50
	6	0	16QAM	22.43	22.16	22.37	22.50

8.3.6 LTE Band13 Output Power

LTE B13 ANT1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	1	0	QPSK		24.66		25.00
		25	QPSK		24.65		25.00
		49	QPSK		24.64		25.00
	25	0	QPSK		23.82		24.00
		12	QPSK		23.75		24.00
		25	QPSK		23.69		24.00
	50	0	QPSK		23.68		24.00
		10	1		0		16QAM
25	16QAM				23.71		24.00
49	16QAM				23.80		24.00
25	0		16QAM		22.84		23.00
	12		16QAM		22.76		23.00
	25		16QAM		22.70		23.00
50	0	16QAM	22.67		23.00		
Channel					23205		23230
Frequency (MHz)				779.5	782	784.5	
5	1	0	QPSK	24.57	24.58	24.57	25.00
		12	QPSK	24.60	24.55	24.63	25.00
		24	QPSK	24.53	24.62	24.52	25.00
	12	0	QPSK	23.69	23.74	23.73	24.00
		7	QPSK	23.63	23.68	23.69	24.00
		13	QPSK	23.61	23.60	23.64	24.00
	25	0	QPSK	23.66	23.58	23.65	24.00
5	1	0	16QAM	23.92	23.97	23.91	24.00
		12	16QAM	23.59	23.63	23.62	24.00
		24	16QAM	23.75	23.66	23.71	24.00
	12	0	16QAM	22.81	22.82	22.82	23.00
		7	16QAM	22.69	22.64	22.69	23.00
		13	16QAM	22.68	22.66	22.61	23.00
	25	0	16QAM	22.64	22.61	22.54	23.00
		5	1	0	16QAM		

8.3.6 LTE Band13 Output Power

LTE B13 ANT3									
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	1	0	QPSK		24.63		25.00		
		25	QPSK		24.59		25.00		
		49	QPSK		24.49		25.00		
	25	0	QPSK		23.70		24.00		
		12	QPSK		23.65		24.00		
		25	QPSK		23.59		24.00		
	50	0	QPSK		23.57		24.00		
		10	1		0		16QAM	23.89	24.00
25	16QAM				23.70		24.00		
49	16QAM				23.75		24.00		
25	0		16QAM		22.79		23.00		
	12		16QAM		22.70		23.00		
	25		16QAM		22.67		23.00		
50	0	16QAM	22.53		23.00				
Channel					23205		23230	23255	Tune-up power(dBm)
Frequency (MHz)					779.5		782	784.5	
5	1	0	QPSK		24.63		24.59	24.55	25.00
		12	QPSK		24.53		24.52	24.58	25.00
		24	QPSK	24.54	24.60	24.49	25.00		
	12	0	QPSK	23.81	23.69	23.76	24.00		
		7	QPSK	23.71	23.66	23.65	24.00		
		13	QPSK	23.68	23.60	23.62	24.00		
	25	0	QPSK	23.61	23.61	23.55	24.00		
		5	1	0	16QAM	23.90	24.00	23.99	24.00
12	16QAM			23.66	23.56	23.63	24.00		
24	16QAM			23.67	23.78	23.78	24.00		
12	0		16QAM	22.78	22.83	22.79	23.00		
	7		16QAM	22.74	22.70	22.61	23.00		
	13		16QAM	22.68	22.62	22.66	23.00		
25	0		16QAM	22.59	22.61	22.62	23.00		

8.3.7 LTE Band17 Output Power

LTE B17 ANT1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	1	0	QPSK	24.41	24.59	24.43	25.00
		25	QPSK	24.39	24.40	24.47	25.00
		49	QPSK	24.39	24.46	24.28	25.00
	25	0	QPSK	23.45	23.54	23.47	24.00
		12	QPSK	23.46	23.40	23.44	24.00
		25	QPSK	23.41	23.33	23.37	24.00
	50	0	QPSK	23.47	23.50	23.41	24.00
10	1	0	16QAM	23.42	23.84	23.53	24.00
		25	16QAM	23.41	23.81	23.42	24.00
		49	16QAM	23.26	23.69	23.33	24.00
	25	0	16QAM	22.51	22.50	22.51	23.00
		12	16QAM	22.42	22.46	22.53	23.00
		25	16QAM	22.48	22.41	22.39	23.00
	50	0	16QAM	22.42	22.37	22.37	23.00
Channel				23755	23790	23825	Tune-up power(dBm)
Frequency (MHz)				706.5	710	713.5	
5	1	0	QPSK	24.30	24.51	24.50	25.00
		12	QPSK	24.48	24.49	24.46	25.00
		24	QPSK	24.41	24.43	24.31	25.00
	12	0	QPSK	23.41	23.44	23.45	24.00
		7	QPSK	23.47	23.42	23.45	24.00
		13	QPSK	23.39	23.46	23.30	24.00
	25	0	QPSK	23.53	23.38	23.36	24.00
5	1	0	16QAM	23.52	23.87	23.52	24.00
		12	16QAM	23.35	23.89	23.42	24.00
		24	16QAM	23.26	23.68	23.32	24.00
	12	0	16QAM	22.44	22.57	22.48	23.00
		7	16QAM	22.52	22.48	22.49	23.00
		13	16QAM	22.49	22.37	22.43	23.00
	25	0	16QAM	22.48	22.42	22.39	23.00

8.3.7 LTE Band17 Output Power

LTE B17 ANT3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	1	0	QPSK	24.44	24.59	24.51	25.00
		25	QPSK	24.48	24.43	24.39	25.00
		49	QPSK	24.43	24.38	24.37	25.00
	25	0	QPSK	23.42	23.41	23.46	24.00
		12	QPSK	23.47	23.42	23.49	24.00
		25	QPSK	23.40	23.43	23.37	24.00
	50	0	QPSK	23.53	23.42	23.41	24.00
10	1	0	16QAM	23.49	23.81	23.57	24.00
		25	16QAM	23.41	23.78	23.34	24.00
		49	16QAM	23.38	23.78	23.33	24.00
	25	0	16QAM	22.49	22.49	22.49	23.00
		12	16QAM	22.41	22.47	22.56	23.00
		25	16QAM	22.47	22.37	22.48	23.00
	50	0	16QAM	22.42	22.44	22.44	23.00
Channel				23755	23790	23825	Tune-up power(dBm)
Frequency (MHz)				706.5	710	713.5	
5	1	0	QPSK	24.44	24.55	24.46	25.00
		12	QPSK	24.48	24.47	24.40	25.00
		24	QPSK	24.42	24.46	24.36	25.00
	12	0	QPSK	23.42	23.53	23.54	24.00
		7	QPSK	23.38	23.44	23.36	24.00
		13	QPSK	23.47	23.42	23.43	24.00
25	0	QPSK	23.49	23.45	23.37	24.00	
5	1	0	16QAM	23.39	23.90	23.51	24.00
		12	16QAM	23.34	23.81	23.33	24.00
		24	16QAM	23.37	23.78	23.31	24.00
	12	0	16QAM	22.50	22.58	22.58	23.00
		7	16QAM	22.43	22.38	22.52	23.00
		13	16QAM	22.39	22.47	22.45	23.00
25	0	16QAM	22.37	22.42	22.39	23.00	

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	1	0	QPSK	24.46	24.50	24.48	25.50
		49	QPSK	24.42	24.45	24.34	25.50
		99	QPSK	24.32	24.43	24.31	25.50
	50	0	QPSK	23.43	23.48	23.40	24.50
		24	QPSK	23.46	23.42	23.45	24.50
		50	QPSK	23.38	23.51	23.43	24.50
	100	0	QPSK	23.40	23.44	23.41	24.50
20	1	0	16QAM	24.13	23.81	23.89	24.50
		49	16QAM	23.97	23.81	23.83	24.50
		99	16QAM	23.88	23.79	23.77	24.50
	50	0	16QAM	22.43	22.60	22.47	23.50
		24	16QAM	22.51	22.42	22.42	23.50
		50	16QAM	22.41	22.50	22.44	23.50
	100	0	16QAM	22.44	22.48	22.48	23.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	1	0	QPSK	24.36	24.49	24.37	25.50
		37	QPSK	24.36	24.36	24.43	25.50
		74	QPSK	24.31	24.36	24.37	25.50
	36	0	QPSK	23.41	23.52	23.48	24.50
		20	QPSK	23.34	23.48	23.43	24.50
		39	QPSK	23.38	23.47	23.50	24.50
	75	0	QPSK	23.40	23.44	23.47	24.50
15	1	0	16QAM	24.09	23.77	23.92	24.50
		37	16QAM	23.98	23.78	23.80	24.50
		74	16QAM	23.95	23.81	23.84	24.50
	36	0	16QAM	22.39	22.61	22.42	23.50
		20	16QAM	22.47	22.53	22.39	23.50
		39	16QAM	22.42	22.45	22.45	23.50
	75	0	16QAM	22.47	22.55	22.47	23.50
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	1	0	QPSK	24.32	24.43	24.39	25.50
		25	QPSK	24.33	24.46	24.41	25.50
		49	QPSK	24.32	24.45	24.31	25.50
	25	0	QPSK	23.41	23.46	23.39	24.50
		12	QPSK	23.41	23.49	23.39	24.50
		25	QPSK	23.44	23.49	23.48	24.50
	50	0	QPSK	23.50	23.51	23.49	24.50
10	1	0	16QAM	24.10	23.76	23.86	24.50
		25	16QAM	23.98	23.79	23.83	24.50
		49	16QAM	23.82	23.73	23.82	24.50
	25	0	16QAM	22.50	22.52	22.49	23.50
		12	16QAM	22.43	22.50	22.43	23.50
		25	16QAM	22.44	22.40	22.34	23.50
	50	0	16QAM	22.52	22.49	22.42	23.50

LTE B66 ANT2							
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	1	0	QPSK	24.32	24.39	24.48	25.50
		12	QPSK	24.42	24.34	24.38	25.50
		24	QPSK	24.31	24.37	24.38	25.50
	12	0	QPSK	23.45	23.54	23.50	24.50
		7	QPSK	23.43	23.53	23.46	24.50
		13	QPSK	23.36	23.40	23.37	24.50
	25	0	QPSK	23.51	23.53	23.43	24.50
5	1	0	16QAM	24.12	23.82	23.79	24.50
		12	16QAM	23.91	23.87	23.84	24.50
		24	16QAM	23.85	23.84	23.88	24.50
	12	0	16QAM	22.38	22.49	22.49	23.50
		7	16QAM	22.41	22.52	22.52	23.50
		13	16QAM	22.40	22.47	22.46	23.50
	25	0	16QAM	22.48	22.46	22.44	23.50
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	1	0	QPSK	24.43	24.40	24.45	25.50
		8	QPSK	24.38	24.47	24.37	25.50
		14	QPSK	24.34	24.46	24.32	25.50
	8	0	QPSK	23.34	23.49	23.51	24.50
		4	QPSK	23.34	23.49	23.51	24.50
		7	QPSK	23.46	23.40	23.38	24.50
	15	0	QPSK	23.42	23.43	23.49	24.50
3	1	0	16QAM	24.10	23.90	23.81	24.50
		8	16QAM	23.93	23.84	23.87	24.50
		14	16QAM	23.91	23.74	23.85	24.50
	8	0	16QAM	22.38	22.54	22.41	23.50
		4	16QAM	22.51	22.50	22.46	23.50
		7	16QAM	22.51	22.41	22.37	23.50
	15	0	16QAM	22.52	22.54	22.49	23.50
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	1	0	QPSK	24.33	24.38	24.41	25.50
		3	QPSK	24.27	24.48	24.39	25.50
		5	QPSK	24.23	24.31	24.33	25.50
	3	0	QPSK	24.21	24.41	24.38	25.50
		1	QPSK	24.29	24.34	24.32	25.50
		3	QPSK	24.21	24.45	24.35	25.50
	6	0	QPSK	23.34	23.46	23.34	24.50
1.4	1	0	16QAM	23.54	23.87	23.42	24.50
		3	16QAM	23.46	23.65	23.34	24.50
		5	16QAM	23.51	23.84	23.49	24.50
	3	0	16QAM	23.33	23.58	23.52	24.50
		1	16QAM	23.30	23.51	23.41	24.50
		3	16QAM	23.35	23.55	23.50	24.50
	6	0	16QAM	22.51	22.24	22.54	23.50

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	1	0	QPSK	23.76	23.96	23.81	24.50
		49	QPSK	23.69	23.83	23.66	24.50
		99	QPSK	23.74	23.80	23.68	24.50
	50	0	QPSK	23.38	23.62	23.58	24.00
		24	QPSK	23.46	23.49	23.24	24.00
		50	QPSK	23.18	23.35	23.15	24.00
	100	0	QPSK	23.50	23.56	23.41	24.00
20	1	0	16QAM	23.67	23.77	23.70	24.00
		49	16QAM	23.14	23.34	23.35	24.00
		99	16QAM	23.31	23.36	23.31	24.00
	50	0	16QAM	22.56	22.56	22.35	23.50
		24	16QAM	22.32	22.48	22.28	23.50
		50	16QAM	22.45	22.43	22.47	23.50
	100	0	16QAM	22.55	22.49	22.53	23.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	1	0	QPSK	23.63	23.78	23.72	24.50
		37	QPSK	23.66	23.71	23.62	24.50
		74	QPSK	23.73	23.77	23.56	24.50
	36	0	QPSK	23.24	23.48	23.56	24.00
		20	QPSK	23.38	23.48	23.11	24.00
		39	QPSK	23.07	23.20	23.06	24.00
	75	0	QPSK	23.47	23.52	23.30	24.00
15	1	0	16QAM	23.57	23.62	23.64	24.00
		37	16QAM	23.10	23.22	23.20	24.00
		74	16QAM	23.24	23.29	23.27	24.00
	36	0	16QAM	22.42	22.41	22.27	23.50
		20	16QAM	22.20	22.42	22.27	23.50
		39	16QAM	22.40	22.32	22.33	23.50
	75	0	16QAM	22.42	22.39	22.46	23.50
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	1	0	QPSK	23.59	23.88	23.71	24.50
		25	QPSK	23.59	23.78	23.56	24.50
		49	QPSK	23.71	23.75	23.53	24.50
	25	0	QPSK	23.33	23.53	23.52	24.00
		12	QPSK	23.39	23.38	23.21	24.00
		25	QPSK	23.16	23.25	23.11	24.00
	50	0	QPSK	23.39	23.52	23.38	24.00
10	1	0	16QAM	23.63	23.68	23.66	24.00
		25	16QAM	23.05	23.20	23.32	24.00
		49	16QAM	23.30	23.34	23.18	24.00
	25	0	16QAM	22.50	22.47	22.27	23.50
		12	16QAM	22.18	22.40	22.25	23.50
		25	16QAM	22.43	22.34	22.44	23.50
	50	0	16QAM	22.50	22.45	22.45	23.50

LTE B66 ANT5							
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	1	0	QPSK	23.59	23.75	23.75	24.50
		12	QPSK	23.67	23.81	23.64	24.50
		24	QPSK	23.66	23.75	23.66	24.50
	12	0	QPSK	23.34	23.53	23.47	24.00
		7	QPSK	23.34	23.40	23.15	24.00
		13	QPSK	23.14	23.31	23.12	24.00
	25	0	QPSK	23.47	23.43	23.37	24.00
5	1	0	16QAM	23.56	23.71	23.65	24.00
		12	16QAM	23.11	23.32	23.26	24.00
		24	16QAM	23.28	23.26	23.23	24.00
	12	0	16QAM	22.52	22.41	22.29	23.50
		7	16QAM	22.29	22.40	22.18	23.50
		13	16QAM	22.30	22.42	22.39	23.50
	25	0	16QAM	22.43	22.42	22.46	23.50
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	1	0	QPSK	23.57	23.84	23.75	24.50
		8	QPSK	23.65	23.68	23.60	24.50
		14	QPSK	23.61	23.65	23.56	24.50
	8	0	QPSK	23.33	23.59	23.54	24.00
		4	QPSK	23.36	23.47	23.09	24.00
		7	QPSK	23.15	23.29	23.03	24.00
	15	0	QPSK	23.41	23.54	23.37	24.00
3	1	0	16QAM	23.65	23.74	23.60	24.00
		8	16QAM	23.13	23.20	23.30	24.00
		14	16QAM	23.16	23.21	23.19	24.00
	8	0	16QAM	22.52	22.46	22.34	23.50
		4	16QAM	22.19	22.47	22.23	23.50
		7	16QAM	22.35	22.32	22.46	23.50
	15	0	16QAM	22.49	22.44	22.40	23.50
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	1	0	QPSK	23.74	23.80	23.65	24.50
		3	QPSK	23.64	23.79	23.75	24.50
		5	QPSK	23.66	23.67	23.66	24.50
	3	0	QPSK	23.58	23.67	23.69	24.50
		1	QPSK	23.70	23.71	23.71	24.50
		3	QPSK	23.68	23.80	23.70	24.50
	6	0	QPSK	22.65	22.71	22.69	23.50
1.4	1	0	16QAM	22.85	23.19	22.76	23.50
		3	16QAM	22.73	23.11	22.62	23.50
		5	16QAM	22.76	23.16	22.77	23.50
	3	0	16QAM	22.70	22.85	22.82	23.50
		1	16QAM	22.68	22.79	22.86	23.50
		3	16QAM	22.72	22.90	22.82	23.50
	6	0	16QAM	21.77	21.63	21.83	22.50

LTE B66 ANT5 ENDC							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	1	0	QPSK	21.73	21.93	21.73	22.50
		49	QPSK	21.65	21.79	21.64	22.50
		99	QPSK	21.72	21.74	21.66	22.50
	50	0	QPSK	21.37	21.61	21.51	22.00
		24	QPSK	21.44	21.40	21.16	22.00
		50	QPSK	21.15	21.27	21.07	22.00
	100	0	QPSK	21.48	21.51	21.36	22.00
20	1	0	16QAM	21.59	21.72	21.64	22.00
		49	16QAM	21.11	21.26	21.31	22.00
		99	16QAM	21.30	21.34	21.30	22.00
	50	0	16QAM	20.51	20.55	20.26	21.50
		24	16QAM	20.29	20.46	20.20	21.50
		50	16QAM	20.41	20.34	20.44	21.50
	100	0	16QAM	20.50	20.44	20.52	21.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	1	0	QPSK	21.67	21.91	21.80	22.50
		37	QPSK	21.62	21.80	21.57	22.50
		74	QPSK	21.73	21.74	21.61	22.50
	36	0	QPSK	21.30	21.58	21.54	22.00
		20	QPSK	21.42	21.42	21.17	22.00
		39	QPSK	21.09	21.34	21.08	22.00
	75	0	QPSK	21.41	21.50	21.36	22.00
15	1	0	16QAM	21.65	21.75	21.62	22.00
		37	16QAM	21.08	21.25	21.34	22.00
		74	16QAM	21.27	21.29	21.26	22.00
	36	0	16QAM	20.52	20.50	20.27	21.50
		20	16QAM	20.31	20.46	20.21	21.50
		39	16QAM	20.44	20.35	20.41	21.50
	75	0	16QAM	20.53	20.42	20.44	21.50
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	1	0	QPSK	21.67	21.93	21.79	22.50
		25	QPSK	21.67	21.80	21.65	22.50
		49	QPSK	21.70	21.71	21.66	22.50
	25	0	QPSK	21.36	21.61	21.57	22.00
		12	QPSK	21.41	21.46	21.16	22.00
		25	QPSK	21.10	21.28	21.09	22.00
	50	0	QPSK	21.45	21.55	21.35	22.00
10	1	0	16QAM	21.58	21.70	21.66	22.00
		25	16QAM	21.11	21.25	21.33	22.00
		49	16QAM	21.25	21.35	21.30	22.00
	25	0	16QAM	20.52	20.51	20.27	21.50
		12	16QAM	20.30	20.42	20.21	21.50
		25	16QAM	20.39	20.39	20.41	21.50
	50	0	16QAM	20.52	20.44	20.51	21.50

LTE B66 ANT5 ENDC							
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	1	0	QPSK	21.74	21.89	21.73	22.50
		12	QPSK	21.64	21.82	21.58	22.50
		24	QPSK	21.69	21.77	21.59	22.50
	12	0	QPSK	21.33	21.54	21.55	22.00
		7	QPSK	21.37	21.44	21.19	22.00
		13	QPSK	21.16	21.27	21.10	22.00
	25	0	QPSK	21.42	21.50	21.40	22.00
5	1	0	16QAM	21.59	21.71	21.61	22.00
		12	16QAM	21.13	21.28	21.28	22.00
		24	16QAM	21.25	21.32	21.28	22.00
	12	0	16QAM	20.53	20.54	20.33	21.50
		7	16QAM	20.30	20.46	20.22	21.50
		13	16QAM	20.37	20.38	20.38	21.50
	25	0	16QAM	20.51	20.45	20.52	21.50
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	1	0	QPSK	21.75	21.95	21.74	22.50
		8	QPSK	21.67	21.77	21.58	22.50
		14	QPSK	21.68	21.78	21.59	22.50
	8	0	QPSK	21.35	21.56	21.51	22.00
		4	QPSK	21.43	21.41	21.23	22.00
		7	QPSK	21.12	21.32	21.08	22.00
	15	0	QPSK	21.44	21.50	21.40	22.00
3	1	0	16QAM	21.59	21.72	21.68	22.00
		8	16QAM	21.10	21.29	21.32	22.00
		14	16QAM	21.25	21.27	21.27	22.00
	8	0	16QAM	20.48	20.55	20.27	21.50
		4	16QAM	20.27	20.43	20.24	21.50
		7	16QAM	20.39	20.39	20.45	21.50
	15	0	16QAM	20.49	20.41	20.45	21.50
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	1	0	QPSK	21.72	21.76	21.59	22.50
		3	QPSK	21.63	21.77	21.70	22.50
		5	QPSK	21.59	21.64	21.60	22.50
	3	0	QPSK	21.55	21.59	21.65	22.50
		1	QPSK	21.65	21.64	21.63	22.50
		3	QPSK	21.61	21.75	21.64	22.50
	6	0	QPSK	20.64	20.63	20.65	21.50
1.4	1	0	16QAM	20.81	21.16	20.75	21.50
		3	16QAM	20.65	21.02	20.56	21.50
		5	16QAM	20.67	21.10	20.74	21.50
	3	0	16QAM	20.67	20.77	20.80	21.50
		1	16QAM	20.64	20.70	20.84	21.50
		3	16QAM	20.64	20.85	20.79	21.50
	6	0	16QAM	19.73	19.61	19.81	20.50

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	23.06	23.26	23.02	24.00
		49	QPSK	23.09	23.22	23.12	24.00
		99	QPSK	23.06	23.10	23.16	24.00
	50	0	QPSK	22.11	22.08	22.18	23.00
		24	QPSK	22.04	22.18	22.24	23.00
		50	QPSK	22.04	22.15	22.22	23.00
	100	0	QPSK	22.16	22.14	22.25	23.00
20	1	0	16QAM	22.32	22.31	22.53	23.00
		49	16QAM	22.35	22.37	22.60	23.00
		99	16QAM	22.50	22.25	22.57	23.00
	50	0	16QAM	21.04	21.07	21.18	22.00
		24	16QAM	21.12	21.10	21.31	22.00
		50	16QAM	21.15	21.15	21.24	22.00
	100	0	16QAM	21.06	21.15	21.17	22.00
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	1	0	QPSK	22.93	23.17	22.91	24.00
		37	QPSK	23.03	23.14	23.09	24.00
		74	QPSK	22.95	22.97	23.10	24.00
	36	0	QPSK	22.06	22.02	22.08	23.00
		20	QPSK	21.97	22.13	22.22	23.00
		39	QPSK	21.89	22.12	22.07	23.00
	75	0	QPSK	22.02	22.04	22.17	23.00
15	1	0	16QAM	22.26	22.28	22.49	23.00
		37	16QAM	22.25	22.25	22.59	23.00
		74	16QAM	22.48	22.10	22.56	23.00
	36	0	16QAM	21.00	21.06	21.04	22.00
		20	16QAM	21.10	21.01	21.20	22.00
		39	16QAM	21.05	21.10	21.13	22.00
	75	0	16QAM	21.02	21.07	21.06	22.00
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	1	0	QPSK	22.93	23.22	22.96	24.00
		25	QPSK	23.02	23.19	23.11	24.00
		49	QPSK	22.96	22.99	23.15	24.00
	25	0	QPSK	22.04	21.94	22.11	23.00
		12	QPSK	22.02	22.15	22.14	23.00
		25	QPSK	21.91	22.11	22.14	23.00
	50	0	QPSK	22.06	22.00	22.12	23.00
10	1	0	16QAM	22.26	22.21	22.49	23.00
		25	16QAM	22.28	22.25	22.59	23.00
		49	16QAM	22.43	22.23	22.63	23.00
	25	0	16QAM	20.90	20.92	21.04	22.00
		12	16QAM	21.01	20.96	21.24	22.00
		25	16QAM	21.04	21.00	21.17	22.00
	50	0	16QAM	20.97	21.08	21.10	22.00
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	1	0	QPSK	23.04	23.16	22.96	24.00
		12	QPSK	22.95	23.21	23.00	24.00
		24	QPSK	22.99	22.95	23.02	24.00
	12	0	QPSK	22.07	22.06	22.13	23.00
		7	QPSK	21.99	22.04	22.14	23.00
		13	QPSK	22.01	22.00	22.19	23.00
	25	0	QPSK	22.09	22.01	22.24	23.00
5	1	0	16QAM	22.23	22.30	22.52	23.00
		12	16QAM	22.21	22.35	22.56	23.00
		24	16QAM	22.35	22.18	22.55	23.00
	12	0	16QAM	20.90	20.97	21.13	22.00
		7	16QAM	21.03	21.00	21.27	22.00
		13	16QAM	21.02	21.00	21.23	22.00
	25	0	16QAM	20.98	21.01	21.09	22.00

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	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	1	0	QPSK	23.12	23.39	23.23	24.50
		49	QPSK	23.16	23.29	23.20	24.50
		99	QPSK	23.19	23.28	23.19	24.50
	50	0	QPSK	22.83	23.08	23.06	24.00
		24	QPSK	22.94	22.96	22.72	24.00
		50	QPSK	22.60	22.75	22.59	24.00
100	0	QPSK	22.97	23.10	22.91	24.00	
20	1	0	16QAM	23.20	23.24	23.16	24.00
		49	16QAM	22.61	22.84	22.86	24.00
		99	16QAM	22.83	22.80	22.77	24.00
	50	0	16QAM	22.02	22.01	21.78	23.00
		24	16QAM	21.76	22.00	21.78	23.00
		50	16QAM	21.92	21.90	21.99	23.00
100	0	16QAM	21.97	22.00	22.01	23.00	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	1	0	QPSK	23.10	23.30	23.10	24.50
		37	QPSK	23.15	23.15	23.15	24.50
		74	QPSK	23.07	23.19	23.18	24.50
	36	0	QPSK	22.76	22.96	22.92	24.00
		20	QPSK	22.90	22.94	22.67	24.00
		39	QPSK	22.46	22.73	22.51	24.00
75	0	QPSK	22.91	23.06	22.86	24.00	
15	1	0	16QAM	23.19	23.16	23.06	24.00
		37	16QAM	22.51	22.69	22.79	24.00
		74	16QAM	22.73	22.69	22.76	24.00
	36	0	16QAM	21.93	21.98	21.71	23.00
		20	16QAM	21.64	21.93	21.70	23.00
		39	16QAM	21.79	21.80	21.92	23.00
75	0	16QAM	21.96	21.85	21.91	23.00	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	1	0	QPSK	23.11	23.29	23.15	24.50
		25	QPSK	23.04	23.19	23.16	24.50
		49	QPSK	23.10	23.20	23.10	24.50
	25	0	QPSK	22.70	22.96	22.91	24.00
		12	QPSK	22.83	22.93	22.71	24.00
		25	QPSK	22.53	22.69	22.50	24.00
50	0	QPSK	22.92	23.06	22.88	24.00	
10	1	0	16QAM	23.08	23.14	23.04	24.00
		25	16QAM	22.59	22.82	22.85	24.00
		49	16QAM	22.73	22.70	22.65	24.00
	25	0	16QAM	21.95	21.97	21.73	23.00
		12	16QAM	21.68	21.91	21.65	23.00
		25	16QAM	21.86	21.79	21.87	23.00
50	0	16QAM	21.87	21.93	21.93	23.00	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	1	0	QPSK	23.02	23.32	23.19	24.50
		12	QPSK	23.14	23.17	23.11	24.50
		24	QPSK	23.06	23.16	23.12	24.50
	12	0	QPSK	22.70	23.04	23.00	24.00
		7	QPSK	22.82	22.85	22.63	24.00
		13	QPSK	22.57	22.64	22.51	24.00
25	0	QPSK	22.87	23.00	22.89	24.00	
5	1	0	16QAM	23.17	23.18	23.04	24.00
		12	16QAM	22.50	22.76	22.74	24.00
		24	16QAM	22.78	22.69	22.70	24.00
	12	0	16QAM	21.93	21.92	21.69	23.00
		7	16QAM	21.75	21.96	21.64	23.00
		13	16QAM	21.79	21.84	21.92	23.00
25	0	16QAM	21.92	21.92	21.99	23.00	

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	1	0	QPSK	22.93	23.02	23.08	22.95	23.01	24.00
		49	QPSK	22.85	22.86	22.99	22.85	22.91	24.00
		99	QPSK	22.85	22.88	22.96	22.94	22.89	24.00
	50	0	QPSK	22.09	22.05	22.18	22.07	22.10	23.00
		24	QPSK	22.15	22.13	22.16	22.04	22.07	23.00
		50	QPSK	22.07	22.06	22.11	21.97	22.09	23.00
	100	0	QPSK	22.08	22.11	22.23	22.21	22.20	23.00
20	1	0	16QAM	22.15	22.14	22.16	22.03	22.09	23.00
		49	16QAM	22.07	22.09	22.10	22.07	22.07	23.00
		99	16QAM	22.06	22.06	22.08	22.05	22.03	23.00
	50	0	16QAM	21.09	21.13	21.17	21.03	21.15	22.00
		24	16QAM	21.08	21.02	21.11	21.06	20.99	22.00
		50	16QAM	21.05	21.06	21.09	21.08	21.04	22.00
	100	0	16QAM	21.13	21.03	21.17	21.06	21.06	22.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	1	0	QPSK	22.85	22.97	22.99	22.81	22.92	24.00
		37	QPSK	22.70	22.82	22.89	22.74	22.83	24.00
		74	QPSK	22.75	22.87	22.81	22.84	22.77	24.00
	36	0	QPSK	22.08	21.90	22.16	22.05	22.05	23.00
		20	QPSK	22.05	22.04	22.01	21.89	21.93	23.00
		39	QPSK	22.02	21.96	22.06	21.87	22.03	23.00
	75	0	QPSK	22.04	22.00	22.18	22.09	22.09	23.00
15	1	0	16QAM	22.11	22.08	22.13	21.99	22.06	23.00
		37	16QAM	21.94	21.94	21.98	21.96	22.04	23.00
		74	16QAM	21.92	22.05	22.05	21.97	21.88	23.00
	36	0	16QAM	21.08	21.05	21.15	20.99	21.03	22.00
		20	16QAM	21.01	20.88	20.96	20.95	20.90	22.00
		39	16QAM	20.99	21.03	20.98	21.02	20.99	22.00
	75	0	16QAM	21.02	21.01	21.16	20.97	21.02	22.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	1	0	QPSK	22.89	22.97	22.99	22.87	22.88	24.00
		25	QPSK	22.81	22.74	22.88	22.79	22.76	24.00
		49	QPSK	22.80	22.82	22.92	22.92	22.84	24.00
	25	0	QPSK	22.08	21.99	22.17	22.03	22.08	23.00
		12	QPSK	22.02	22.08	22.09	21.96	21.95	23.00
		25	QPSK	22.02	22.00	22.08	21.94	22.04	23.00
	50	0	QPSK	22.05	22.10	22.22	22.20	22.11	23.00
10	1	0	16QAM	22.07	22.04	22.01	21.96	21.96	23.00
		25	16QAM	21.95	21.95	21.99	21.93	21.98	23.00
		49	16QAM	21.91	21.93	22.05	21.99	21.95	23.00
	25	0	16QAM	20.99	21.04	21.06	20.94	21.06	22.00
		12	16QAM	21.06	21.01	21.10	21.04	20.90	22.00
		25	16QAM	20.94	21.05	21.00	21.06	21.03	22.00
	50	0	16QAM	21.03	20.97	21.02	20.97	21.00	22.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	1	0	QPSK	22.80	22.96	23.01	22.87	22.91	24.00
		12	QPSK	22.82	22.85	22.84	22.79	22.78	24.00
		24	QPSK	22.74	22.75	22.93	22.83	22.84	24.00
	12	0	QPSK	22.01	21.97	22.12	21.94	21.98	23.00
		7	QPSK	22.10	22.11	22.15	21.97	22.05	23.00
		13	QPSK	21.96	21.98	22.08	21.88	21.97	23.00
	25	0	QPSK	22.05	22.03	22.14	22.13	22.19	23.00
5	1	0	16QAM	22.04	22.09	22.12	21.95	22.07	23.00
		12	16QAM	21.95	22.01	21.96	22.05	21.95	23.00
		24	16QAM	21.93	21.91	22.03	21.93	22.01	23.00
	12	0	16QAM	20.98	21.00	21.05	21.02	21.14	22.00
		7	16QAM	20.96	20.88	20.98	20.95	20.89	22.00
		13	16QAM	20.97	20.97	20.94	21.03	21.00	22.00
	25	0	16QAM	21.08	20.91	21.11	20.94	20.95	22.00

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	1	0	QPSK	23.08	23.35	23.37	23.13	23.11	24.50
		49	QPSK	23.09	23.28	23.28	23.20	23.10	24.50
		99	QPSK	23.16	23.27	23.28	23.27	23.18	24.50
	50	0	QPSK	22.36	22.51	22.57	22.40	22.38	23.50
		24	QPSK	22.39	22.27	22.43	22.46	22.31	23.50
		50	QPSK	22.27	22.26	22.26	22.32	22.27	23.50
	100	0	QPSK	22.32	22.26	22.44	22.41	22.35	23.50
20	1	0	16QAM	22.61	22.46	22.83	22.66	22.59	23.50
		49	16QAM	22.38	22.54	22.97	22.47	22.38	23.50
		99	16QAM	22.62	22.52	22.87	22.73	22.65	23.50
	50	0	16QAM	21.43	21.56	21.54	21.48	21.47	22.50
		24	16QAM	21.11	21.25	21.30	21.22	21.11	22.50
		50	16QAM	21.15	21.97	21.25	21.25	21.15	22.50
	100	0	16QAM	21.41	21.30	21.59	21.49	21.47	22.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	1	0	QPSK	22.94	23.34	23.32	23.10	23.08	24.50
		37	QPSK	23.05	23.18	23.22	23.11	23.02	24.50
		74	QPSK	23.14	23.21	23.25	23.18	23.04	24.50
	36	0	QPSK	22.24	22.40	22.28	22.38	22.26	23.50
		20	QPSK	22.35	22.12	22.33	22.45	22.25	23.50
		39	QPSK	22.26	22.19	22.22	22.29	22.19	23.50
	75	0	QPSK	22.26	22.21	22.29	22.28	22.30	23.50
15	1	0	16QAM	22.54	22.41	22.82	22.53	22.47	23.50
		37	16QAM	22.33	22.40	22.90	22.34	22.35	23.50
		74	16QAM	22.59	22.41	22.74	22.69	22.63	23.50
	36	0	16QAM	21.42	21.42	21.47	21.47	21.41	22.50
		20	16QAM	20.99	21.18	21.18	21.11	21.07	22.50
		39	16QAM	21.13	21.88	21.18	21.17	21.08	22.50
	75	0	16QAM	21.26	21.22	21.49	21.36	21.34	22.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	1	0	QPSK	23.06	23.22	23.36	23.11	22.98	24.50
		25	QPSK	22.95	23.16	23.17	23.11	22.96	24.50
		49	QPSK	23.09	23.12	23.13	23.20	23.15	24.50
	25	0	QPSK	22.22	22.45	22.24	22.27	22.26	23.50
		12	QPSK	22.27	22.24	22.29	22.32	22.26	23.50
		25	QPSK	22.14	22.14	22.24	22.29	22.15	23.50
	50	0	QPSK	22.31	22.14	22.24	22.31	22.22	23.50
10	1	0	16QAM	22.48	22.38	22.71	22.57	22.50	23.50
		25	16QAM	22.32	22.44	22.86	22.34	22.34	23.50
		49	16QAM	22.57	22.38	22.85	22.65	22.57	23.50
	25	0	16QAM	21.31	21.51	21.44	21.46	21.38	22.50
		12	16QAM	21.00	21.24	21.18	21.20	21.06	22.50
		25	16QAM	21.10	21.93	21.13	21.12	21.12	22.50
	50	0	16QAM	21.38	21.16	21.49	21.46	21.34	22.50
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	1	0	QPSK	23.05	23.29	23.24	23.07	23.04	24.50
		12	QPSK	23.03	23.17	23.21	23.19	23.07	24.50
		24	QPSK	23.08	23.21	23.19	23.18	23.13	24.50
	12	0	QPSK	22.27	22.44	22.35	22.38	22.24	23.50
		7	QPSK	22.38	22.19	22.38	22.44	22.19	23.50
		13	QPSK	22.25	22.15	22.21	22.22	22.16	23.50
	25	0	QPSK	22.30	22.24	22.32	22.37	22.26	23.50
5	1	0	16QAM	22.55	22.34	22.73	22.64	22.49	23.50
		12	16QAM	22.26	22.50	22.87	22.35	22.25	23.50
		24	16QAM	22.55	22.51	22.80	22.58	22.54	23.50
	12	0	16QAM	21.31	21.41	21.50	21.43	21.40	22.50
		7	16QAM	20.97	21.23	21.25	21.09	21.01	22.50
		13	16QAM	21.00	21.89	21.24	21.18	21.05	22.50
	25	0	16QAM	21.35	21.21	21.56	21.44	21.40	22.50

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 High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	1	0	QPSK	18.09	18.21	18.02	19.00
		49	QPSK	17.97	17.94	17.96	19.00
		99	QPSK	18.00	18.02	17.80	19.00
	50	0	QPSK	17.17	17.14	17.10	18.00
		24	QPSK	17.07	17.03	17.07	18.00
		50	QPSK	17.03	17.20	16.95	18.00
	100	0	QPSK	17.03	17.02	17.16	18.00
20	1	0	16QAM	17.24	17.26	17.15	18.00
		49	16QAM	17.12	17.17	17.11	18.00
		99	16QAM	16.87	16.90	16.88	18.00
	50	0	16QAM	16.11	16.14	16.06	17.00
		24	16QAM	16.11	16.13	16.06	17.00
		50	16QAM	16.06	16.18	16.01	17.00
	100	0	16QAM	16.08	16.00	15.90	17.00
Channel				42165	42590	43015	
Frequency (MHz)				3457.5	3500	3542.5	
15	1	0	QPSK	17.95	18.06	17.97	19.00
		37	QPSK	17.89	17.79	17.92	19.00
		74	QPSK	17.95	17.91	17.67	19.00
	36	0	QPSK	17.13	17.11	16.98	18.00
		20	QPSK	17.02	16.98	16.99	18.00
		39	QPSK	16.98	17.09	16.82	18.00
	75	0	QPSK	16.96	16.89	17.14	18.00
15	1	0	16QAM	17.19	17.24	17.13	18.00
		37	16QAM	17.03	17.15	17.00	18.00
		74	16QAM	16.77	16.79	16.76	18.00
	36	0	16QAM	16.01	16.13	15.97	17.00
		20	16QAM	15.96	16.07	15.96	17.00
		39	16QAM	16.03	16.15	15.94	17.00
	75	0	16QAM	15.93	15.89	15.75	17.00
Channel				42140	42590	43040	
Frequency (MHz)				3455	3500	3545	
10	1	0	QPSK	18.00	18.07	17.96	19.00
		25	QPSK	17.95	17.82	17.88	19.00
		49	QPSK	17.97	17.96	17.79	19.00
	25	0	QPSK	17.13	17.00	16.98	18.00
		12	QPSK	16.99	16.89	16.94	18.00
		25	QPSK	16.95	17.07	16.86	18.00
	50	0	QPSK	16.99	16.87	17.07	18.00
10	1	0	16QAM	17.15	17.11	17.10	18.00
		25	16QAM	16.97	17.08	17.04	18.00
		49	16QAM	16.75	16.81	16.76	18.00
	25	0	16QAM	16.04	16.10	16.00	17.00
		12	16QAM	16.08	16.03	15.95	17.00
		25	16QAM	15.91	16.05	15.94	17.00
	50	0	16QAM	16.06	15.87	15.82	17.00
Channel				42115	42590	43065	
Frequency (MHz)				3452.5	3500	3547.5	
5	1	0	QPSK	18.06	18.09	17.92	19.00
		12	QPSK	17.93	17.88	17.88	19.00
		24	QPSK	17.88	18.00	17.77	19.00
	12	0	QPSK	17.05	17.09	17.03	18.00
		7	QPSK	16.97	17.02	16.94	18.00
		13	QPSK	16.97	17.07	16.94	18.00
	25	0	QPSK	16.88	16.98	17.12	18.00
5	1	0	16QAM	17.13	17.14	17.01	18.00
		12	16QAM	17.10	17.08	17.10	18.00
		24	16QAM	16.74	16.76	16.77	18.00
	12	0	16QAM	16.09	16.05	16.03	17.00
		7	16QAM	16.00	16.03	16.03	17.00
		13	16QAM	15.92	16.12	15.93	17.00
	25	0	16QAM	16.03	15.88	15.84	17.00

8.3.11 LTE Band42 Output Power

LTE B42 ANT3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	1	0	QPSK	18.32	18.49	18.30	19.00
		49	QPSK	18.13	18.12	18.18	19.00
		99	QPSK	18.15	18.17	18.03	19.00
	50	0	QPSK	17.34	17.37	17.32	18.00
		24	QPSK	17.33	17.30	17.34	18.00
		50	QPSK	17.24	17.38	17.18	18.00
	100	0	QPSK	17.24	17.26	17.36	18.00
20	1	0	16QAM	17.43	17.48	17.39	18.00
		49	16QAM	17.28	17.45	17.30	18.00
		99	16QAM	17.14	17.16	17.05	18.00
	50	0	16QAM	16.31	16.40	16.32	17.00
		24	16QAM	16.39	16.29	16.31	17.00
		50	16QAM	16.24	16.35	16.29	17.00
	100	0	16QAM	16.32	16.17	16.05	17.00
Channel				42165	42590	43015	
Frequency (MHz)				3457.5	3500	3542.5	
15	1	0	QPSK	18.38	18.41	18.21	19.00
		37	QPSK	18.25	18.11	18.19	19.00
			QPSK	18.23	18.22	18.05	19.00
	36	0	QPSK	17.34	17.34	17.29	18.00
		20	QPSK	17.35	17.23	17.35	18.00
		39	QPSK	17.21	17.49	17.24	18.00
	75	0	QPSK	17.25	17.18	17.43	18.00
15	1	0	16QAM	17.42	17.44	17.43	18.00
		37	16QAM	17.29	17.41	17.34	18.00
		74	16QAM	17.04	17.08	17.09	18.00
	36	0	16QAM	16.39	16.43	16.33	17.00
		20	16QAM	16.39	16.40	16.27	17.00
		39	16QAM	16.21	16.35	16.28	17.00
	75	0	16QAM	16.35	16.28	16.12	17.00
Channel				42140	42590	43040	
Frequency (MHz)				3455	3500	3545	
10	1	0	QPSK	18.34	18.36	18.31	19.00
		25	QPSK	18.12	18.10	18.19	19.00
		49	QPSK	18.21	18.23	18.02	19.00
	25	0	QPSK	17.33	17.42	17.25	18.00
		12	QPSK	17.28	17.30	17.32	18.00
		25	QPSK	17.28	17.37	17.12	18.00
	50	0	QPSK	17.18	17.22	17.45	18.00
10	1	0	16QAM	17.47	17.50	17.33	18.00
		25	16QAM	17.37	17.32	17.39	18.00
		49	16QAM	17.06	17.06	17.06	18.00
	25	0	16QAM	16.39	16.29	16.33	17.00
		12	16QAM	16.26	16.31	16.32	17.00
		25	16QAM	16.25	16.34	16.16	17.00
	50	0	16QAM	16.32	16.20	16.06	17.00
Channel				42115	42590	43065	
Frequency (MHz)				3452.5	3500	3547.5	
5	1	0	QPSK	18.28	18.47	18.17	19.00
		12	QPSK	18.17	18.11	18.15	19.00
		24	QPSK	18.26	18.20	17.97	19.00
	12	0	QPSK	17.39	17.35	17.32	18.00
		7	QPSK	17.28	17.32	17.36	18.00
		13	QPSK	17.20	17.41	17.15	18.00
	25	0	QPSK	17.25	17.30	17.45	18.00
5	1	0	16QAM	17.44	17.41	17.34	18.00
		12	16QAM	17.38	17.41	17.32	18.00
		24	16QAM	17.15	17.07	17.12	18.00
	12	0	16QAM	16.26	16.29	16.35	17.00
		7	16QAM	16.36	16.30	16.29	17.00
		13	16QAM	16.35	16.44	16.20	17.00
	25	0	16QAM	16.34	16.27	16.14	17.00

8.3.11 LTE Band42 Output Power

LTE B42 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				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	1	0	QPSK	16.72	17.39	17.34	18.00
		49	QPSK	17.33	17.29	17.28	18.00
		99	QPSK	17.36	17.38	17.32	18.00
	50	0	QPSK	16.15	16.25	16.38	17.00
		24	QPSK	16.30	16.22	16.33	17.00
		50	QPSK	16.24	16.27	16.32	17.00
100	0	QPSK	16.20	16.27	16.35	17.00	
20	1	0	16QAM	16.60	16.76	16.71	17.00
		49	16QAM	16.59	16.67	16.60	17.00
		99	16QAM	16.73	16.79	16.66	17.00
	50	0	16QAM	15.20	15.30	15.37	16.00
		24	16QAM	15.22	15.31	15.32	16.00
		50	16QAM	15.53	15.33	15.34	16.00
100	0	16QAM	15.21	15.29	15.37	16.00	
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	1	0	QPSK	16.62	17.33	17.19	18.00
		37	QPSK	17.25	17.14	17.26	18.00
		74	QPSK	17.32	17.36	17.25	18.00
	36	0	QPSK	16.09	16.14	16.32	17.00
		20	QPSK	16.24	16.10	16.19	17.00
		39	QPSK	16.15	16.13	16.23	17.00
75	0	QPSK	16.13	16.19	16.22	17.00	
15	1	0	16QAM	16.54	16.72	16.68	17.00
		37	16QAM	16.57	16.54	16.47	17.00
		74	16QAM	16.69	16.72	16.52	17.00
	36	0	16QAM	15.17	15.15	15.29	16.00
		20	16QAM	15.15	15.26	15.20	16.00
		39	16QAM	15.45	15.20	15.20	16.00
75	0	16QAM	15.07	15.22	15.22	16.00	
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	1	0	QPSK	16.71	17.33	17.26	18.00
		25	QPSK	17.20	17.18	17.22	18.00
		49	QPSK	17.26	17.31	17.17	18.00
	25	0	QPSK	16.14	16.15	16.23	17.00
		12	QPSK	16.26	16.10	16.28	17.00
		25	QPSK	16.16	16.19	16.31	17.00
50	0	QPSK	16.19	16.13	16.29	17.00	
10	1	0	16QAM	16.50	16.72	16.61	17.00
		25	16QAM	16.54	16.63	16.52	17.00
		49	16QAM	16.71	16.67	16.62	17.00
	25	0	16QAM	15.17	15.16	15.36	16.00
		12	16QAM	15.21	15.29	15.31	16.00
		25	16QAM	15.42	15.31	15.28	16.00
50	0	16QAM	15.17	15.16	15.31	16.00	
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	1	0	QPSK	16.63	17.27	17.32	18.00
		12	QPSK	17.31	17.21	17.16	18.00
		24	QPSK	17.27	17.23	17.19	18.00
	12	0	QPSK	16.03	16.10	16.25	17.00
		7	QPSK	16.15	16.08	16.26	17.00
		13	QPSK	16.16	16.16	16.21	17.00
25	0	QPSK	16.10	16.20	16.22	17.00	
5	1	0	16QAM	16.59	16.67	16.65	17.00
		12	16QAM	16.52	16.54	16.59	17.00
		24	16QAM	16.72	16.74	16.51	17.00
	12	0	16QAM	15.08	15.21	15.26	16.00
		7	16QAM	15.17	15.22	15.22	16.00
		13	16QAM	15.47	15.27	15.32	16.00
25	0	16QAM	15.19	15.18	15.24	16.00	

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 High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	1	0	QPSK	17.12	17.26	17.14	18.00
		49	QPSK	17.17	17.25	17.11	18.00
		99	QPSK	17.10	17.22	17.10	18.00
	50	0	QPSK	16.25	16.30	16.17	17.00
		24	QPSK	16.22	16.27	16.14	17.00
		50	QPSK	16.12	16.19	16.05	17.00
	100	0	QPSK	16.08	16.23	16.09	17.00
20	1	0	16QAM	16.26	16.27	16.20	17.00
		49	16QAM	16.09	16.19	16.17	17.00
		99	16QAM	16.11	16.16	16.15	17.00
	50	0	16QAM	15.08	15.19	15.18	16.00
		24	16QAM	15.04	15.15	15.02	16.00
		50	16QAM	15.07	15.16	15.04	16.00
	100	0	16QAM	15.10	15.21	15.12	16.00
Channel				42165	42590	43015	
Frequency (MHz)				3457.5	3500	3542.5	
15	1	0	QPSK	17.06	17.23	17.11	18.00
		37	QPSK	17.06	17.23	17.07	18.00
		74	QPSK	16.98	17.21	17.04	18.00
	36	0	QPSK	16.12	16.28	16.10	17.00
		20	QPSK	16.10	16.18	16.03	17.00
		39	QPSK	16.05	16.13	16.01	17.00
	75	0	QPSK	15.99	16.12	15.97	17.00
15	1	0	16QAM	16.21	16.25	16.18	17.00
		37	16QAM	16.01	16.16	16.07	17.00
		74	16QAM	16.05	16.14	16.03	17.00
	36	0	16QAM	14.97	15.12	15.14	16.00
		20	16QAM	14.97	15.05	15.00	16.00
		39	16QAM	14.97	15.13	15.00	16.00
	75	0	16QAM	15.08	15.07	14.97	16.00
Channel				42140	42590	43040	
Frequency (MHz)				3455	3500	3545	
10	1	0	QPSK	17.00	17.16	17.07	18.00
		25	QPSK	17.07	17.13	16.97	18.00
		49	QPSK	16.99	17.10	16.96	18.00
	25	0	QPSK	16.23	16.19	16.06	17.00
		12	QPSK	16.20	16.12	16.02	17.00
		25	QPSK	16.08	16.05	15.91	17.00
	50	0	QPSK	15.96	16.17	15.97	17.00
10	1	0	16QAM	16.24	16.25	16.19	17.00
		25	16QAM	16.07	16.17	16.07	17.00
		49	16QAM	16.09	16.04	16.07	17.00
	25	0	16QAM	14.94	15.11	15.17	16.00
		12	16QAM	15.02	15.07	14.97	16.00
		25	16QAM	15.03	15.02	15.03	16.00
	50	0	16QAM	15.01	15.13	15.08	16.00
Channel				42115	42590	43065	
Frequency (MHz)				3452.5	3500	3547.5	
5	1	0	QPSK	17.00	17.23	17.13	18.00
		12	QPSK	17.06	17.20	17.02	18.00
		24	QPSK	16.99	17.09	17.09	18.00
	12	0	QPSK	16.17	16.25	16.02	17.00
		7	QPSK	16.19	16.24	15.99	17.00
		13	QPSK	15.97	16.15	16.04	17.00
	25	0	QPSK	15.97	16.15	16.02	17.00
5	1	0	16QAM	16.16	16.15	16.08	17.00
		12	16QAM	16.03	16.18	16.02	17.00
		24	16QAM	16.05	16.12	16.10	17.00
	12	0	16QAM	14.96	15.18	15.09	16.00
		7	16QAM	14.94	15.07	14.88	16.00
		13	16QAM	15.03	15.11	14.99	16.00
	25	0	16QAM	15.01	15.13	15.01	16.00

8.4.1 LTE Band5 Output Power

Full power										
LTE Uplink CA_ Band 5 -Ant.1										
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	25	1	0	2	19.62	20.50
20575	20476	10	QPSK	1	25	1	0	2	19.68	20.50
20600	20501	10	QPSK	1	0	1	25	2	19.60	20.50

8.4.1 LTE Band5 Output Power

Full power										
LTE Uplink CA_ Band 5 -Ant.3										
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	25	1	0	2	19.45	20.50
20575	20476	10	QPSK	1	25	1	0	2	19.53	20.50
20600	20501	10	QPSK	1	0	1	25	2	19.44	20.50

8.4.2 LTE Band7 Output Power

Full 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	20.67	21.50
21100	21298	20	QPSK	1	99	1	0	2	20.70	21.50
21350	21152	20	QPSK	1	0	1	99	2	20.64	21.50

8.4.2 LTE Band7 Output Power

Full power										
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	20.94	21.50
21100	21298	20	QPSK	1	99	1	0	2	20.99	21.50
21350	21152	20	QPSK	1	0	1	99	2	20.86	21.50

8.4.3 LTE Band66 Output Power

Full 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	24.37	25.50
132322	132520	20	QPSK	1	99	1	0	2	24.46	25.50
132572	132374	20	QPSK	1	0	1	99	2	24.37	25.50

8.4.3 LTE Band66 Output Power

Full power										
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	23.57	24.50
132322	132520	20	QPSK	1	99	1	0	2	23.84	24.50
132572	132374	20	QPSK	1	0	1	99	2	23.77	24.50

8.4.4 LTE Band38 Output Power

Full 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	22.97	24.00
38000	38198	20	QPSK	1	99	1	0	2	23.05	24.00
38150	37952	20	QPSK	1	0	1	99	2	22.91	24.00

8.4.4 LTE Band38 Output Power

Full power										
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	23.03	24.50
38000	38198	20	QPSK	1	99	1	0	2	23.18	24.50
38150	37952	20	QPSK	1	0	1	99	2	23.04	24.50

8.4.5 LTE Band41 Output Power

Full 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	22.89	24.00
40185	40383	20	QPSK	1	99	1	0	2	22.95	24.00
40620	40818	20	QPSK	1	99	1	0	2	23.02	24.00
41055	41253	20	QPSK	1	0	1	99	2	22.92	24.00
41490	41292	20	QPSK	1	0	1	99	2	22.92	24.00

8.4.5 LTE Band41 Output Power

Full power										
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	23.01	24.50
40185	40383	20	QPSK	1	99	1	0	2	23.34	24.50
40620	40818	20	QPSK	1	99	1	0	2	23.29	24.50
41055	41253	20	QPSK	1	0	1	99	2	23.09	24.50
41490	41292	20	QPSK	1	0	1	99	2	23.05	24.50

8.5.1 NR Band5 Output Power

N5-ANT1 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				166800	167300	167800	Tune-up limit (dBm)
Frequency(MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	18.74	18.81	18.79	19.50
		1	53	18.61	18.66	18.63	19.50
		1	104	18.73	18.75	18.60	19.50
		50	0	18.11	18.24	18.15	19.00
		50	28	18.62	18.73	18.64	19.50
		50	56	18.22	18.27	18.18	19.00
		100	0	18.23	18.29	18.14	19.00
	QPSK	1	1	18.68	18.73	18.71	19.50
		1	53	18.69	18.76	18.66	19.50
		1	104	18.72	18.79	18.75	19.50
		50	0	17.65	17.75	17.62	18.50
		50	28	18.65	18.79	18.68	19.50
		50	56	17.63	17.77	17.62	18.50
		100	0	17.63	17.71	17.60	18.50
	16QAM	1	1	17.75	17.85	17.76	18.50
	64QAM	1	1	16.36	16.41	16.31	17.00
	256QAM	1	1	14.21	14.31	14.16	15.00
Channel				166300	167300	168300	Tune-up power(dBm)
Frequency(MHz)				831.5	836.5	841.5	
15	QPSK	1	1	18.72	18.71	18.73	19.50
Channel				165800	167300	168800	Tune-up power(dBm)
Frequency(MHz)				829	836.5	844	
10	QPSK	1	1	18.67	18.75	18.72	19.50
Channel				165300	167300	169300	Tune-up power(dBm)
Frequency(MHz)				826.5	836.5	846.5	
5	QPSK	1	1	18.72	18.66	18.74	19.50

N5-ANT3 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				166800	167300	167800	Tune-up limit (dBm)
Frequency(MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	18.62	18.83	18.73	19.50
		1	53	18.51	18.54	18.54	19.50
		1	104	18.69	18.71	18.57	19.50
		50	0	18.01	18.16	18.04	19.00
		50	28	18.56	18.67	18.64	19.50
		50	56	18.12	18.29	18.10	19.00
		100	0	18.12	18.28	18.04	19.00
	QPSK	1	1	18.58	18.74	18.59	19.50
		1	53	18.68	18.71	18.64	19.50
		1	104	18.64	18.79	18.70	19.50
		50	0	17.62	17.64	17.59	18.50
		50	28	18.65	18.76	18.59	19.50
		50	56	17.63	17.67	17.54	18.50
		100	0	17.55	17.61	17.60	18.50
	16QAM	1	1	17.67	17.84	17.70	18.50
	64QAM	1	1	16.37	16.36	16.20	17.00
	256QAM	1	1	14.14	14.29	14.05	15.00
Channel				167800	167300	166800	Tune-up power(dBm)
Frequency(MHz)				839	836.5	834	
30	QPSK	1	1	18.60	18.79	18.75	19.50
Channel				167300	167300	167300	Tune-up power(dBm)
Frequency(MHz)				836.5	836.5	836.5	
25	QPSK	1	1	18.59	18.71	18.68	19.50
Channel				166800	167300	167800	Tune-up power(dBm)
Frequency(MHz)				834	836.5	839	
20	QPSK	1	1	18.64	18.67	18.78	19.50

8.5.2 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	Tune-up limit (dBm)
Frequency(MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	20.89	20.91	20.81	22.00
		1	135	20.80	20.85	20.73	22.00
		1	268	20.65	20.76	20.71	22.00
		135	0	20.28	20.42	20.38	21.50
		135	68	20.70	20.76	20.68	22.00
		135	135	20.35	20.39	20.29	21.50
		270	0	20.19	20.30	20.25	21.50
	QPSK	1	1	20.75	20.88	20.77	22.00
		1	135	20.68	20.78	20.65	22.00
		1	268	20.75	20.83	20.68	22.00
		135	0	19.96	20.04	19.98	21.00
		135	68	20.76	20.79	20.65	22.00
		135	135	19.76	19.82	19.70	21.00
		270	0	19.71	19.81	19.80	21.00
	16QAM	1	1	19.97	19.98	19.96	21.00
	64QAM	1	1	18.52	18.56	18.43	19.50
	256QAM	1	1	16.28	16.37	16.26	17.50
Channel				504000	507000	510000	Tune-up power(dBm)
Frequency(MHz)				2520	2535	2550	
40	QPSK	1	1	20.88	20.87	20.78	22.00
Channel				503000	507000	511000	Tune-up power(dBm)
Frequency(MHz)				2515	2535	2555	
30	QPSK	1	1	20.75	20.79	20.77	22.00
Channel				502500	507000	511500	Tune-up power(dBm)
Frequency(MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	20.79	20.86	20.70	22.00
Channel				502000	507000	512000	Tune-up power(dBm)
Frequency(MHz)				2510	2535	2560	
20	QPSK	1	1	20.81	20.76	20.72	22.00
Channel				501500	507000	512500	Tune-up power(dBm)
Frequency(MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	20.79	20.76	20.66	22.00
Channel				501000	507000	513000	Tune-up power(dBm)
Frequency(MHz)				2505	2535	2565	
10	QPSK	1	1	20.79	20.82	20.68	22.00
Channel				500500	507000	513500	Tune-up power(dBm)
Frequency(MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	20.74	20.87	20.71	22.00

N7-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				505000	507000	509000	Tune-up limit (dBm)
Frequency(MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	20.79	20.90	20.72	22.00
		1	135	20.77	20.80	20.58	22.00
		1	268	20.56	20.69	20.62	22.00
		135	0	20.18	20.39	20.25	21.50
		135	68	20.74	20.84	20.64	22.00
		135	135	20.22	20.30	20.14	21.50
		270	0	20.08	20.25	20.20	21.50
	QPSK	1	1	20.63	20.78	20.68	22.00
		1	135	20.66	20.64	20.61	22.00
		1	268	20.74	20.80	20.59	22.00
		135	0	19.90	19.87	19.84	21.00
		135	68	20.62	20.75	20.56	22.00
		135	135	19.63	19.77	19.65	21.00
		270	0	19.60	19.76	19.66	21.00
	16QAM	1	1	19.95	19.84	19.86	21.00
	64QAM	1	1	18.38	18.50	18.40	19.50
	256QAM	1	1	16.13	16.22	16.18	17.50
Channel				504000	507000	510000	Tune-up power(dBm)
Frequency(MHz)				2520	2535	2550	
40	QPSK	1	1	20.83	20.79	20.73	22.00
Channel				503000	507000	511000	Tune-up power(dBm)
Frequency(MHz)				2515	2535	2555	
30	QPSK	1	1	20.82	20.79	20.69	22.00
Channel				502500	507000	511500	Tune-up power(dBm)
Frequency(MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	20.85	20.84	20.79	22.00
Channel				502000	507000	512000	Tune-up power(dBm)
Frequency(MHz)				2510	2535	2560	
20	QPSK	1	1	20.85	20.89	20.77	22.00
Channel				501500	507000	512500	Tune-up power(dBm)
Frequency(MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	20.80	20.84	20.80	22.00
Channel				501000	507000	513000	Tune-up power(dBm)
Frequency(MHz)				2505	2535	2565	
10	QPSK	1	1	20.83	20.82	20.78	22.00
Channel				500500	507000	513500	Tune-up power(dBm)
Frequency(MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	20.79	20.88	20.77	22.00

N7-ANT5 Full power ENDC							
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	Tune-up limit (dBm)
Frequency(MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	17.74	17.85	17.65	19.00
		1	135	17.75	17.75	17.49	19.00
		1	268	17.49	17.60	17.58	19.00
		135	0	17.15	17.30	17.16	18.50
		135	68	17.68	17.76	17.59	19.00
		135	135	17.15	17.22	17.12	18.50
		270	0	17.04	17.20	17.14	18.50
	QPSK	1	1	17.61	17.77	17.63	19.00
		1	135	17.61	17.58	17.52	19.00
		1	268	17.72	17.78	17.56	19.00
		135	0	16.81	16.79	16.83	18.00
		135	68	17.54	17.66	17.54	19.00
		135	135	16.60	16.70	16.63	18.00
		270	0	16.59	16.69	16.63	18.00
	16QAM	1	1	16.90	16.81	16.82	18.00
	64QAM	1	1	15.32	15.42	15.35	16.50
	256QAM	1	1	13.04	13.16	13.14	14.50
Channel				504000	507000	510000	Tune-up power(dBm)
Frequency(MHz)				2520	2535	2550	
40	QPSK	1	1	17.74	17.83	17.64	19.00
Channel				503000	507000	511000	Tune-up power(dBm)
Frequency(MHz)				2515	2535	2555	
30	QPSK	1	1	17.71	17.83	17.69	19.00
Channel				502500	507000	511500	Tune-up power(dBm)
Frequency(MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	17.71	17.83	17.65	19.00
Channel				502000	507000	512000	Tune-up power(dBm)
Frequency(MHz)				2510	2535	2560	
20	QPSK	1	1	17.72	17.88	17.64	19.00
Channel				501500	507000	512500	Tune-up power(dBm)
Frequency(MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	17.73	17.88	17.65	19.00
Channel				501000	507000	513000	Tune-up power(dBm)
Frequency(MHz)				2505	2535	2565	
10	QPSK	1	1	17.72	17.86	17.70	19.00
Channel				500500	507000	513500	Tune-up power(dBm)
Frequency(MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	17.71	17.84	17.63	19.00

8.5.3 NR Band12 Output Power

N12-ANT1 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	24.30	24.35	24.24	25.00
		1	40	24.13	24.28	24.18	25.00
		1	77	24.21	24.33	24.24	25.00
		36	0	23.85	23.90	23.77	24.50
		36	22	24.19	24.27	24.19	25.00
		36	43	23.69	23.77	23.68	24.50
		75	0	23.70	23.76	23.74	24.50
	QPSK	1	1	24.21	24.25	24.12	25.00
		1	40	24.30	24.34	24.22	25.00
		1	77	24.09	24.23	24.11	25.00
		36	0	23.22	23.35	23.28	24.00
		36	22	24.16	24.21	24.19	25.00
		36	43	23.20	23.28	23.20	24.00
		75	0	23.16	23.23	23.14	24.00
	16QAM	1	1	23.43	23.50	23.49	24.00
	64QAM	1	1	21.91	21.93	21.98	22.50
	256QAM	1	1	19.66	19.76	19.61	20.50
Channel				140800	141500	142200	Tune-up power(dBm)
Frequency(MHz)				704	707.5	711	
10	QPSK	1	1	24.15	24.33	24.12	25.00
Channel				140300	141500	142700	Tune-up power(dBm)
Frequency(MHz)				701.5	707.5	713.5	
5	QPSK	1	1	24.28	24.27	24.15	25.00

N12-ANT3 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	24.25	24.38	24.23	25.00
		1	40	24.06	24.25	24.04	25.00
		1	77	24.18	24.26	24.11	25.00
		36	0	23.75	23.83	23.65	24.50
		36	22	24.16	24.20	24.13	25.00
		36	43	23.68	23.71	23.67	24.50
		75	0	23.56	23.63	23.71	24.50
	QPSK	1	1	24.20	24.20	24.03	25.00
		1	40	24.22	24.22	24.15	25.00
		1	77	24.02	24.15	23.96	25.00
		36	0	23.13	23.34	23.13	24.00
		36	22	24.12	24.16	24.18	25.00
		36	43	23.18	23.23	23.08	24.00
		75	0	23.09	23.12	23.07	24.00
	16QAM	1	1	23.28	23.36	23.43	24.00
	64QAM	1	1	22.00	21.89	21.87	22.50
	256QAM	1	1	19.64	19.70	19.58	20.50
Channel				140800	141500	142200	Tune-up power(dBm)
Frequency(MHz)				704	707.5	711	
10	QPSK	1	1	24.19	24.23	24.22	25.00
Channel				140300	141500	142700	Tune-up power(dBm)
Frequency(MHz)				701.5	707.5	713.5	
5	QPSK	1	1	24.24	24.25	24.16	25.00

8.5.4 NR Ban66 Output Power

N66-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				346000	349000	352000	Tune-up limit (dBm)
Frequency(MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.40	21.48	21.38	22.50
		1	108	21.32	21.34	21.25	22.50
		1	214	21.44	21.46	21.39	22.50
		108	0	20.74	20.87	20.84	22.00
		108	54	21.28	21.38	21.33	22.50
		108	108	20.90	20.96	20.86	22.00
		216	0	20.80	20.94	20.92	22.00
	QPSK	1	1	21.21	21.36	21.29	22.50
		1	108	21.30	21.36	21.21	22.50
		1	214	21.31	21.44	21.40	22.50
		108	0	20.44	20.46	20.41	21.50
		108	54	21.37	21.39	21.32	22.50
		108	108	20.33	20.35	20.31	21.50
		216	0	20.34	20.45	20.41	21.50
	16QAM	1	1	20.39	20.44	20.42	21.50
	64QAM	1	1	18.97	18.76	19.00	20.00
	256QAM	1	1	16.83	16.85	16.73	18.00
Channel				345500	349000	352500	Tune-up power(dBm)
Frequency(MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	21.39	21.39	21.30	22.50
Channel				345000	349000	353000	Tune-up power(dBm)
Frequency(MHz)				1725	1745	1765	
30	QPSK	1	1	21.29	21.35	21.31	22.50
Channel				344500	349000	353500	Tune-up power(dBm)
Frequency(MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	21.29	21.39	21.30	22.50
Channel				344000	349000	354000	Tune-up power(dBm)
Frequency(MHz)				1720	1745	1770	
20	QPSK	1	1	21.32	21.35	21.24	22.50
Channel				343500	349000	354500	Tune-up power(dBm)
Frequency(MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	21.27	21.41	21.28	22.50
Channel				343000	349000	355000	Tune-up power(dBm)
Frequency(MHz)				1715	1745	1775	
10	QPSK	1	1	21.26	21.41	21.29	22.50
Channel				342500	349000	355500	Tune-up power(dBm)
Frequency(MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.31	21.44	21.23	22.50

N66-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				346000	349000	352000	Tune-up limit (dBm)
Frequency(MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.84	21.95	21.74	22.50
		1	108	21.70	21.74	21.67	22.50
		1	214	21.92	21.90	21.88	22.50
		108	0	21.22	21.35	21.30	22.00
		108	54	21.75	21.87	21.74	22.50
		108	108	21.30	21.37	21.27	22.00
		216	0	21.20	21.36	21.38	22.00
	QPSK	1	1	21.61	21.73	21.73	22.50
		1	108	21.79	21.77	21.65	22.50
		1	214	21.71	21.85	21.82	22.50
		108	0	20.92	20.94	20.80	21.50
		108	54	21.77	21.78	21.72	22.50
		108	108	20.74	20.80	20.67	21.50
		216	0	20.76	20.80	20.77	21.50
	16QAM	1	1	20.75	20.82	20.81	21.50
	64QAM	1	1	19.43	19.43	19.42	20.00
	256QAM	1	1	17.21	17.24	17.18	18.00
Channel				345500	349000	352500	Tune-up power(dBm)
Frequency(MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	21.79	21.94	21.81	22.50
Channel				345000	349000	353000	Tune-up power(dBm)
Frequency(MHz)				1725	1745	1765	
30	QPSK	1	1	21.85	21.88	21.80	22.50
Channel				344500	349000	353500	Tune-up power(dBm)
Frequency(MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	21.75	21.85	21.87	22.50
Channel				344000	349000	354000	Tune-up power(dBm)
Frequency(MHz)				1720	1745	1770	
20	QPSK	1	1	21.75	21.87	21.76	22.50
Channel				343500	349000	354500	Tune-up power(dBm)
Frequency(MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	21.85	21.83	21.75	22.50
Channel				343000	349000	355000	Tune-up power(dBm)
Frequency(MHz)				1715	1745	1775	
10	QPSK	1	1	21.86	21.90	21.79	22.50
Channel				342500	349000	355500	Tune-up power(dBm)
Frequency(MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.79	21.86	21.87	22.50

8.5.5 NR Band38 Output Power

N38-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				518004	519000	519996	Tune-up power(dBm)
Frequency(MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	20.73	20.75	20.70	21.50
		1	53	20.62	20.74	20.59	21.50
		1	104	20.52	20.67	20.58	21.50
		50	0	20.19	20.31	20.18	21.00
		50	28	20.63	20.69	20.65	21.50
		50	56	19.97	20.10	20.04	21.00
		100	0	20.19	20.20	20.09	21.00
	QPSK	1	1	20.63	20.65	20.59	21.50
		1	53	20.55	20.69	20.64	21.50
		1	104	20.60	20.63	20.61	21.50
		50	0	19.66	19.74	19.60	20.50
		50	28	20.71	20.72	20.61	21.50
		50	56	19.59	19.73	19.63	20.50
		100	0	19.60	19.65	19.52	20.50
	16QAM	1	1	19.73	19.78	19.77	20.50
	64QAM	1	1	18.20	18.31	18.22	19.00
	256QAM	1	1	16.38	16.48	16.43	17.00
Channel				517002	519000	520998	Tune-up power(dBm)
Frequency(MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	20.62	20.64	20.69	21.50
Channel				516504	519000	521496	Tune-up power(dBm)
Frequency(MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	20.61	20.71	20.61	21.50
Channel				516000	519000	522000	Tune-up power(dBm)
Frequency(MHz)				2580	2595	2610	
20	QPSK	1	1	20.69	20.72	20.65	21.50
Channel				515502	519000	522498	Tune-up power(dBm)
Frequency(MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	20.71	20.72	20.58	21.50
Channel				515004	519000	522996	Tune-up power(dBm)
Frequency(MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	20.67	20.72	20.58	21.50
Channel				514500	519000	523500	Tune-up power(dBm)
Frequency(MHz)				2572.5	2595	2617.5	
5	QPSK	1	1	20.70	20.71	20.55	21.50

N38-ANT5 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				518004	519000	519996	Tune-up power(dBm)
Frequency(MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	20.37	20.47	20.38	21.50
		1	53	20.35	20.43	20.21	21.50
		1	104	20.15	20.30	20.21	21.50
		50	0	19.83	20.03	19.81	21.00
		50	28	20.22	20.37	20.24	21.50
		50	56	19.61	19.76	19.70	21.00
		100	0	19.92	19.80	19.77	21.00
	QPSK	1	1	20.36	20.24	20.22	21.50
		1	53	20.21	20.32	20.29	21.50
		1	104	20.32	20.33	20.29	21.50
		50	0	19.37	19.34	19.23	20.50
		50	28	20.39	20.36	20.26	21.50
		50	56	19.27	19.32	19.30	20.50
		100	0	19.33	19.28	19.12	20.50
	16QAM	1	1	19.39	19.51	19.40	20.50
	64QAM	1	1	17.91	17.90	17.84	19.00
	256QAM	1	1	15.98	16.17	16.09	17.00
Channel				517002	519000	520998	Tune-up power(dBm)
Frequency(MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	20.22	20.33	20.29	21.50
Channel				516504	519000	521496	Tune-up power(dBm)
Frequency(MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	20.30	20.41	20.23	21.50
Channel				516000	519000	522000	Tune-up power(dBm)
Frequency(MHz)				2580	2595	2610	
20	QPSK	1	1	20.32	20.35	20.26	21.50
Channel				515502	519000	522498	Tune-up power(dBm)
Frequency(MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	20.36	20.37	20.35	21.50
Channel				515004	519000	522996	Tune-up power(dBm)
Frequency(MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	20.32	20.38	20.24	21.50
Channel				514500	519000	523500	Tune-up power(dBm)
Frequency(MHz)				2572.5	2595	2617.5	
5	QPSK	1	1	20.35	20.45	20.28	21.50

8.5.6 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	Tune-up power(dBm)
Frequency(MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.94	22.06	21.95	23.00
		1	137	21.92	22.04	22.03	23.00
		1	271	21.90	21.92	21.82	23.00
		135	0	21.59	21.62	21.56	22.50
		135	69	22.01	22.05	22.02	23.00
		135	138	21.38	21.45	21.36	22.50
		270	0	21.47	21.52	21.48	22.50
	QPSK	1	1	21.90	21.94	21.84	23.00
		1	137	21.96	22.01	21.95	23.00
		1	271	21.83	21.92	21.81	23.00
		135	0	20.91	21.00	20.89	22.00
		135	69	21.90	22.03	21.94	23.00
		135	138	20.90	20.97	20.91	22.00
		270	0	21.01	21.04	20.91	22.00
	16QAM	1	1	21.21	21.24	21.18	22.00
	64QAM	1	1	19.69	19.72	19.67	20.50
	256QAM	1	1	17.73	17.78	17.71	18.50
Channel				508200	518598	528996	Tune-up power(dBm)
Frequency(MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	21.80	22.02	21.87	23.00
Channel				507204	518598	529998	Tune-up power(dBm)
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	21.85	21.97	21.82	23.00
Channel				506202	518598	531000	Tune-up power(dBm)
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	21.83	21.91	21.90	23.00
Channel				505200	518598	531996	Tune-up power(dBm)
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	21.88	21.94	21.87	23.00
Channel				504204	518598	532998	Tune-up power(dBm)
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	21.89	22.01	21.82	23.00
Channel				503202	518598	534000	Tune-up power(dBm)
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	21.81	22.02	21.87	23.00
Channel				502200	518598	534996	Tune-up power(dBm)
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	21.93	21.97	21.94	23.00
Channel				501204	518598	535998	Tune-up power(dBm)
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	21.86	21.91	21.82	23.00
Channel				500202	518598	537000	Tune-up power(dBm)
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	21.88	22.04	21.89	23.00

N41-ANT5 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	21.60	21.82	21.67	22.50
		1	137	21.69	21.71	21.72	22.50
		1	271	21.57	21.61	21.56	22.50
		135	0	21.41	21.28	21.23	22.00
		135	69	21.74	21.76	21.69	22.50
		135	138	21.17	21.23	21.04	22.00
		270	0	21.23	21.28	21.21	22.00
	QPSK	1	1	21.61	21.69	21.50	22.50
		1	137	21.64	21.78	21.71	22.50
		1	271	21.61	21.58	21.57	22.50
		135	0	20.71	20.72	20.64	21.50
		135	69	21.56	21.75	21.61	22.50
		135	138	20.61	20.77	20.67	21.50
		270	0	20.78	20.75	20.57	21.50
	16QAM	1	1	20.89	20.92	20.93	21.50
	64QAM	1	1	19.48	19.51	19.47	20.00
	256QAM	1	1	17.53	17.51	17.42	18.00
Channel				508200	518598	528996	
Frequency(MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	21.66	21.76	21.73	22.50
Channel				507204	518598	529998	
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	21.64	21.74	21.61	22.50
Channel				506202	518598	531000	
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	21.63	21.72	21.68	22.50
Channel				505200	518598	531996	
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	21.64	21.75	21.65	22.50
Channel				504204	518598	532998	
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	21.69	21.83	21.67	22.50
Channel				503202	518598	534000	
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	21.64	21.80	21.74	22.50
Channel				502200	518598	534996	
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	21.61	21.85	21.69	22.50
Channel				501204	518598	535998	
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	21.70	21.73	21.65	22.50
Channel				500202	518598	537000	
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	21.68	21.78	21.71	22.50

8.5.7 NR Band77 Output Power

N77(3450-3550MHz) ANT0 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		633332			
		Frequency(MHz)		3499.98			
100	PI/2 BPSK	1	1		20.81		21.50
		1	137		20.78		21.50
		1	271		20.67		21.50
		135	0		20.19		21.00
		135	69		20.76		21.50
		135	138		20.23		21.00
		270	0		20.16		21.00
	QPSK	1	1		20.72		21.50
		1	137		20.68		21.50
		1	271		20.76		21.50
		135	0		19.74		20.50
		135	69		20.67		21.50
		135	138		19.80		20.50
		270	0		19.73		20.50
	16QAM	1	1		20.02		20.50
	64QAM	1	1		18.01		19.00
	256QAM	1	1		16.34		17.00
Channel				633000	633332	633666	Tune-up power(dBm)
Frequency(MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	20.73	20.78	20.68	21.50
Channel				632668	633332	634000	Tune-up power(dBm)
Frequency(MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	20.60	20.74	20.56	21.50
Channel				632334	633332	634332	Tune-up power(dBm)
Frequency(MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	20.68	20.77	20.53	21.50
Channel				632000	633332	634666	Tune-up power(dBm)
Frequency(MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	20.59	20.72	20.63	21.50
Channel				631668	633332	635000	Tune-up power(dBm)
Frequency(MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	20.65	20.77	20.58	21.50
Channel				631334	633332	635332	Tune-up power(dBm)
Frequency(MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	20.72	20.70	20.63	21.50
Channel				631000	633332	635666	Tune-up power(dBm)
Frequency(MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	20.64	20.65	20.59	21.50
Channel				630834	633332	635832	Tune-up power(dBm)
Frequency(MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	20.68	20.69	20.54	21.50
Channel				630668	633332	636000	Tune-up power(dBm)
Frequency(MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	20.71	20.65	20.56	21.50
Channel				630500	633332	636166	Tune-up power(dBm)
Frequency(MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	20.64	20.69	20.55	21.50
Channel				630334	633332	636332	Tune-up power(dBm)
Frequency(MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	20.61	20.64	20.55	21.50

8.5.7 NR Band77 Output Power

N77(3450-3550MHz) ANT3 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		633332			
		Frequency(MHz)		3499.98			
100	PI/2 BPSK	1	1		20.44		21.50
		1	137		20.40		21.50
		1	271		20.27		21.50
		135	0		19.78		21.00
		135	69		20.36		21.50
		135	138		19.83		21.00
		270	0		19.74		21.00
	QPSK	1	1		20.39		21.50
		1	137		20.27		21.50
		1	271		20.33		21.50
		135	0		19.33		20.50
		135	69		20.27		21.50
		135	138		19.43		20.50
		270	0		19.31		20.50
	16QAM	1	1		19.65		20.50
	64QAM	1	1		17.69		19.00
	256QAM	1	1		15.90		17.00
Channel				639668	641666	643666	Tune-up power(dBm)
Frequency(MHz)				3595.02	3624.99	3654.99	
90	QPSK	1	1	20.37	20.42	20.34	21.50
Channel				639334	641666	644000	Tune-up power(dBm)
Frequency(MHz)				3590.01	3624.99	3660	
80	QPSK	1	1	20.22	20.41	20.32	21.50
Channel				639000	641666	644332	Tune-up power(dBm)
Frequency(MHz)				3585	3624.99	3664.98	
70	QPSK	1	1	20.29	20.35	20.25	21.50
Channel				638668	641666	644666	Tune-up power(dBm)
Frequency(MHz)				3580.02	3624.99	3669.99	
60	QPSK	1	1	20.34	20.34	20.23	21.50
Channel				638334	641666	645000	Tune-up power(dBm)
Frequency(MHz)				3575.01	3624.99	3675	
50	QPSK	1	1	20.31	20.38	20.22	21.50
Channel				638000	641666	645332	Tune-up power(dBm)
Frequency(MHz)				3570	3624.99	3679.98	
40	QPSK	1	1	20.22	20.32	20.24	21.50
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	20.31	20.38	20.22	21.50
Channel				637500	641666	645832	Tune-up power(dBm)
Frequency(MHz)				3562.5	3624.99	3687.48	
25	QPSK	1	1	20.27	20.41	20.32	21.50
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	20.26	20.39	20.21	21.50
Channel				637168	641666	646166	Tune-up power(dBm)
Frequency(MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	20.31	20.34	20.31	21.50
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	20.27	20.30	20.21	21.50

8.5.7 NR Band77 Output Power

N77(3450-3550MHz) ANT5 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		633332			
		Frequency(MHz)		3499.98			
100	PI/2 BPSK	1	1		19.78		21.00
		1	137		19.71		21.00
		1	271		19.65		21.00
		135	0		19.18		20.50
		135	69		19.71		21.00
		135	138		19.10		20.50
		270	0		19.15		20.50
	QPSK	1	1		19.68		21.00
		1	137		19.58		21.00
		1	271		19.64		21.00
		135	0		18.59		20.00
		135	69		19.56		21.00
		135	138		18.71		20.00
		270	0		18.61		20.00
	16QAM	1	1		19.01		20.00
	64QAM	1	1		16.93		18.50
	256QAM	1	1		15.26		16.50
Channel				633000	633332	633666	Tune-up power(dBm)
Frequency(MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	19.72	19.76	19.68	21.00
Channel				632668	633332	634000	Tune-up power(dBm)
Frequency(MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	19.63	19.63	19.57	21.00
Channel				632334	633332	634332	Tune-up power(dBm)
Frequency(MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	19.70	19.70	19.64	21.00
Channel				632000	633332	634666	Tune-up power(dBm)
Frequency(MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	19.70	19.69	19.56	21.00
Channel				631668	633332	635000	Tune-up power(dBm)
Frequency(MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	19.57	19.64	19.58	21.00
Channel				631334	633332	635332	Tune-up power(dBm)
Frequency(MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	19.63	19.62	19.58	21.00
Channel				631000	633332	635666	Tune-up power(dBm)
Frequency(MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	19.59	19.75	19.55	21.00
Channel				630834	633332	635832	Tune-up power(dBm)
Frequency(MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	19.66	19.67	19.57	21.00
Channel				630668	633332	636000	Tune-up power(dBm)
Frequency(MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	19.64	19.72	19.63	21.00
Channel				630500	633332	636166	Tune-up power(dBm)
Frequency(MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	19.63	19.75	19.57	21.00
Channel				630334	633332	636332	Tune-up power(dBm)
Frequency(MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	19.67	19.66	19.60	21.00

8.5.7 NR Band77 Output Power

N77(3450-3550MHz) ANT6 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		633332			
		Frequency(MHz)		3499.98			
100	PI/2 BPSK	1	1		20.47		21.00
		1	137		20.46		21.00
		1	271		20.30		21.00
		135	0		19.80		20.50
		135	69		20.36		21.00
		135	138		19.88		20.50
		270	0		19.81		20.50
	QPSK	1	1		20.36		21.00
		1	137		20.36		21.00
		1	271		20.44		21.00
		135	0		19.34		20.00
		135	69		20.32		21.00
		135	138		19.45		20.00
		270	0		19.29		20.00
	16QAM	1	1		19.58		20.00
	64QAM	1	1		17.70		18.50
	256QAM	1	1		15.96		16.50
Channel				639668	641666	643666	Tune-up power(dBm)
Frequency(MHz)				3595.02	3624.99	3654.99	
90	QPSK	1	1	20.28	20.43	20.31	21.00
Channel				639334	641666	644000	Tune-up power(dBm)
Frequency(MHz)				3590.01	3624.99	3660	
80	QPSK	1	1	20.22	20.42	20.19	21.00
Channel				639000	641666	644332	Tune-up power(dBm)
Frequency(MHz)				3585	3624.99	3664.98	
70	QPSK	1	1	20.14	20.29	20.17	21.00
Channel				638668	641666	644666	Tune-up power(dBm)
Frequency(MHz)				3580.02	3624.99	3669.99	
60	QPSK	1	1	20.22	20.31	20.17	21.00
Channel				638334	641666	645000	Tune-up power(dBm)
Frequency(MHz)				3575.01	3624.99	3675	
50	QPSK	1	1	20.16	20.37	20.21	21.00
Channel				638000	641666	645332	Tune-up power(dBm)
Frequency(MHz)				3570	3624.99	3679.98	
40	QPSK	1	1	20.16	20.41	20.22	21.00
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	20.24	20.37	20.28	21.00
Channel				637500	641666	645832	Tune-up power(dBm)
Frequency(MHz)				3562.5	3624.99	3687.48	
25	QPSK	1	1	20.20	20.32	20.21	21.00
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	20.14	20.41	20.27	21.00
Channel				637168	641666	646166	Tune-up power(dBm)
Frequency(MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	20.14	20.29	20.27	21.00
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	20.15	20.40	20.18	21.00

8.5.7 NR Band77 Output Power

N77(3700-3980MHz)-ANT0 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		650000	656000	662000	
		Frequency(MHz)		3750	3840	3930	
100	PI/2 BPSK	1	1	19.99	20.03	20.01	21.50
		1	137	19.92	20.02	19.94	21.50
		1	271	19.89	19.98	19.95	21.50
		135	0	19.49	19.51	19.46	21.00
		135	69	19.91	19.99	19.92	21.50
		135	138	19.38	19.48	19.41	21.00
		270	0	19.46	19.52	19.45	21.00
	QPSK	1	1	19.87	19.94	19.93	21.50
		1	137	19.85	19.94	19.85	21.50
		1	271	19.90	19.96	19.89	21.50
		135	0	19.00	19.02	19.00	20.50
		135	69	19.90	19.97	19.96	21.50
		135	138	18.94	18.96	18.90	20.50
		270	0	18.93	19.02	18.93	20.50
	16QAM	1	1	19.09	19.16	19.12	20.50
	64QAM	1	1	17.22	17.32	17.22	19.00
	256QAM	1	1	15.67	15.72	15.70	17.00
Channel				649668	656000	662332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	19.97	19.89	19.92	21.50
Channel				649334	656000	662666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	19.84	19.99	19.91	21.50
Channel				649000	656000	663000	Tune-up power(dBm)
Frequency(MHz)				3735	3840	3945	
70	QPSK	1	1	19.97	19.92	19.88	21.50
Channel				648668	656000	663332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	19.93	19.91	19.91	21.50
Channel				648334	656000	663666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	19.84	19.99	19.97	21.50
Channel				648000	656000	664000	Tune-up power(dBm)
Frequency(MHz)				3720	3840	3960	
40	QPSK	1	1	19.96	19.99	19.90	21.50
Channel				647668	656000	664332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	19.93	20.02	19.97	21.50
Channel				647500	656000	664500	Tune-up power(dBm)
Frequency(MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	19.84	19.90	19.97	21.50
Channel				647334	656000	664666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	19.96	20.02	19.89	21.50
Channel				647168	656000	664832	Tune-up power(dBm)
Frequency(MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	19.84	19.90	19.86	21.50
Channel				647000	656000	665000	Tune-up power(dBm)
Frequency(MHz)				3705	3840	3975	
10	QPSK	1	1	19.92	19.93	19.97	21.50

8.5.7 NR Band77 Output Power

N77(3700-3980MHz)-ANT3 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		650000	656000	662000	
		Frequency(MHz)		3750	3840	3930	
100	PI/2 BPSK	1	1	19.89	20.17	19.94	21.50
		1	137	19.86	19.95	19.85	21.50
		1	271	19.85	19.90	19.87	21.50
		135	0	19.39	19.43	19.40	21.00
		135	69	19.89	19.89	19.86	21.50
		135	138	19.28	19.41	19.36	21.00
		270	0	19.42	19.43	19.43	21.00
	QPSK	1	1	19.77	19.86	19.87	21.50
		1	137	19.83	19.90	19.82	21.50
		1	271	19.86	19.89	19.81	21.50
		135	0	18.93	18.95	18.99	20.50
		135	69	19.87	19.92	19.88	21.50
		135	138	18.90	18.88	18.89	20.50
		270	0	18.86	18.93	18.86	20.50
	16QAM	1	1	19.02	19.11	19.05	20.50
	64QAM	1	1	17.12	17.23	17.12	19.00
	256QAM	1	1	15.66	15.71	15.63	17.00
Channel				649668	656000	662332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	19.88	20.11	19.92	21.50
Channel				649334	656000	662666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	19.81	20.12	19.89	21.50
Channel				649000	656000	663000	Tune-up power(dBm)
Frequency(MHz)				3735	3840	3945	
70	QPSK	1	1	19.83	20.15	19.89	21.50
Channel				648668	656000	663332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	19.82	20.13	19.90	21.50
Channel				648334	656000	663666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	19.86	20.10	19.88	21.50
Channel				648000	656000	664000	Tune-up power(dBm)
Frequency(MHz)				3720	3840	3960	
40	QPSK	1	1	19.82	20.12	19.91	21.50
Channel				647668	656000	664332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	19.84	20.11	19.89	21.50
Channel				647500	656000	664500	Tune-up power(dBm)
Frequency(MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	19.84	20.11	19.84	21.50
Channel				647334	656000	664666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	19.88	20.15	19.89	21.50
Channel				647168	656000	664832	Tune-up power(dBm)
Frequency(MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	19.85	20.15	19.89	21.50
Channel				647000	656000	665000	Tune-up power(dBm)
Frequency(MHz)				3705	3840	3975	
10	QPSK	1	1	19.84	20.13	19.88	21.50

8.5.7 NR Band77 Output Power

N77(3700-3980MHz)-ANT5 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		650000	656000	662000	
		Frequency(MHz)		3750	3840	3930	
100	PI/2 BPSK	1	1	20.04	20.35	20.26	21.00
		1	137	19.82	20.12	20.02	21.00
		1	271	19.77	20.07	20.01	21.00
		135	0	19.33	19.54	19.49	20.50
		135	69	19.77	20.04	19.95	21.00
		135	138	19.28	19.50	19.42	20.50
		270	0	19.31	19.61	19.57	20.50
	QPSK	1	1	19.71	19.95	19.93	21.00
		1	137	19.73	20.07	19.97	21.00
		1	271	19.77	19.98	19.90	21.00
		135	0	18.78	19.08	18.98	20.00
		135	69	19.77	20.06	20.04	21.00
		135	138	18.70	19.03	18.95	20.00
		270	0	18.79	19.11	19.07	20.00
	16QAM	1	1	19.00	19.21	19.17	20.00
	64QAM	1	1	17.09	17.36	17.31	18.50
	256QAM	1	1	15.56	15.89	15.84	16.50
Channel				649668	656000	662332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	19.94	20.29	20.25	21.00
Channel				649334	656000	662666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	19.98	20.32	20.24	21.00
Channel				649000	656000	663000	Tune-up power(dBm)
Frequency(MHz)				3735	3840	3945	
70	QPSK	1	1	19.98	20.29	20.18	21.00
Channel				648668	656000	663332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	20.01	20.30	20.21	21.00
Channel				648334	656000	663666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	19.96	20.34	20.22	21.00
Channel				648000	656000	664000	Tune-up power(dBm)
Frequency(MHz)				3720	3840	3960	
40	QPSK	1	1	19.94	20.32	20.22	21.00
Channel				647668	656000	664332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	19.95	20.34	20.17	21.00
Channel				647500	656000	664500	Tune-up power(dBm)
Frequency(MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	20.03	20.31	20.19	21.00
Channel				647334	656000	664666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	20.02	20.25	20.17	21.00
Channel				647168	656000	664832	Tune-up power(dBm)
Frequency(MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	20.02	20.25	20.22	21.00
Channel				647000	656000	665000	Tune-up power(dBm)
Frequency(MHz)				3705	3840	3975	
10	QPSK	1	1	20.02	20.27	20.22	21.00

8.5.7 NR Band77 Output Power

N77(3700-3980MHz)-ANT6 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		650000	656000	662000	
		Frequency(MHz)		3750	3840	3930	
100	PI/2 BPSK	1	1	19.48	19.75	19.74	21.00
		1	137	19.59	19.43	19.40	21.00
		1	271	19.56	19.39	19.38	21.00
		135	0	19.02	18.98	18.90	20.50
		135	69	19.44	19.62	19.38	21.00
		135	138	18.97	18.94	18.84	20.50
		270	0	19.03	18.98	18.91	20.50
	QPSK	1	1	19.39	19.42	19.35	21.00
		1	137	19.49	19.41	19.28	21.00
		1	271	19.43	19.42	19.37	21.00
		135	0	18.48	18.48	18.43	20.00
		135	69	19.51	19.46	19.36	21.00
		135	138	18.46	18.36	18.33	20.00
		270	0	18.52	18.45	18.37	20.00
	16QAM	1	1	18.69	18.62	18.59	20.00
	64QAM	1	1	16.81	16.75	16.65	18.50
	256QAM	1	1	15.30	15.18	15.19	16.50
Channel				649668	656000	662332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	19.41	19.65	19.67	21.00
Channel				649334	656000	662666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	19.40	19.73	19.70	21.00
Channel				649000	656000	663000	Tune-up power(dBm)
Frequency(MHz)				3735	3840	3945	
70	QPSK	1	1	19.46	19.69	19.70	21.00
Channel				648668	656000	663332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	19.39	19.74	19.64	21.00
Channel				648334	656000	663666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	19.40	19.66	19.72	21.00
Channel				648000	656000	664000	Tune-up power(dBm)
Frequency(MHz)				3720	3840	3960	
40	QPSK	1	1	19.40	19.71	19.70	21.00
Channel				647668	656000	664332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	19.42	19.67	19.68	21.00
Channel				647500	656000	664500	Tune-up power(dBm)
Frequency(MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	19.41	19.74	19.71	21.00
Channel				647334	656000	664666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	19.38	19.67	19.66	21.00
Channel				647168	656000	664832	Tune-up power(dBm)
Frequency(MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	19.45	19.74	19.68	21.00
Channel				647000	656000	665000	Tune-up power(dBm)
Frequency(MHz)				3705	3840	3975	
10	QPSK	1	1	19.43	19.71	19.72	21.00

8.5.8 NR Band78 Output Power

N78(3450-3550MHz) ANT0 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		633332			
		Frequency(MHz)		3499.98			
100	PI/2 BPSK	1	1		20.85		21.50
		1	137		20.75		21.50
		1	271		20.67		21.50
		135	0		20.38		21.00
		135	69		20.70		21.50
		135	138		20.31		21.00
		270	0		20.25		21.00
	QPSK	1	1		20.79		21.50
		1	137		20.73		21.50
		1	271		20.73		21.50
		135	0		19.94		20.50
		135	69		20.73		21.50
		135	138		19.77		20.50
		270	0		19.74		20.50
	16QAM	1	1		19.90		20.50
	64QAM	1	1		18.50		19.00
	256QAM	1	1		16.29		17.00
Channel				633000	19.61	633666	Tune-up power(dBm)
Frequency(MHz)				3495	16.82	3504.99	
90	QPSK	1	1	20.76	20.84	20.74	21.50
Channel				632668	633332	634000	Tune-up power(dBm)
Frequency(MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	20.65	20.70	20.70	21.50
Channel				632334	633332	634332	Tune-up power(dBm)
Frequency(MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	20.74	20.73	20.59	21.50
Channel				632000	633332	634666	Tune-up power(dBm)
Frequency(MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	20.62	20.74	20.66	21.50
Channel				631668	633332	635000	Tune-up power(dBm)
Frequency(MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	20.64	20.82	20.73	21.50
Channel				631334	633332	635332	Tune-up power(dBm)
Frequency(MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	20.72	20.73	20.64	21.50
Channel				631000	633332	635666	Tune-up power(dBm)
Frequency(MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	20.70	20.73	20.62	21.50
Channel				630834	633332	635832	Tune-up power(dBm)
Frequency(MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	20.69	20.75	20.64	21.50
Channel				630668	633332	636000	Tune-up power(dBm)
Frequency(MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	20.63	20.79	20.70	21.50
Channel				630500	633332	636166	Tune-up power(dBm)
Frequency(MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	20.73	20.77	20.69	21.50
Channel				630334	633332	636332	Tune-up power(dBm)
Frequency(MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	20.62	20.74	20.60	21.50

8.5.8 NR Band78 Output Power

N78(3450-3550MHz) ANT3 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		633332			
		Frequency(MHz)		3499.98			
100	PI/2 BPSK	1	1		20.77		21.50
		1	137		20.72		21.50
		1	271		20.57		21.50
		135	0		20.35		21.00
		135	69		20.64		21.50
		135	138		20.24		21.00
		270	0		20.22		21.00
	QPSK	1	1		20.70		21.50
		1	137		20.68		21.50
		1	271		20.63		21.50
		135	0		19.84		20.50
		135	69		20.70		21.50
		135	138		19.74		20.50
		270	0		19.68		20.50
	16QAM	1	1		19.80		20.50
	64QAM	1	1		18.42		19.00
	256QAM	1	1		16.19		17.00
Channel				639668	19.58	643666	Tune-up power(dBm)
Frequency(MHz)				3595.02	16.72	3654.99	
90	QPSK	1	1	20.65	20.72	20.66	21.50
Channel				639334	641666	644000	Tune-up power(dBm)
Frequency(MHz)				3590.01	3624.99	3660	
80	QPSK	1	1	20.55	20.62	20.55	21.50
Channel				639000	641666	644332	Tune-up power(dBm)
Frequency(MHz)				3585	3624.99	3664.98	
70	QPSK	1	1	20.62	20.60	20.65	21.50
Channel				638668	641666	644666	Tune-up power(dBm)
Frequency(MHz)				3580.02	3624.99	3669.99	
60	QPSK	1	1	20.55	20.58	20.65	21.50
Channel				638334	641666	645000	Tune-up power(dBm)
Frequency(MHz)				3575.01	3624.99	3675	
50	QPSK	1	1	20.56	20.61	20.65	21.50
Channel				638000	641666	645332	Tune-up power(dBm)
Frequency(MHz)				3570	3624.99	3679.98	
40	QPSK	1	1	20.50	20.60	20.65	21.50
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	20.53	20.57	20.57	21.50
Channel				637500	641666	645832	Tune-up power(dBm)
Frequency(MHz)				3562.5	3624.99	3687.48	
25	QPSK	1	1	20.63	20.62	20.59	21.50
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	20.50	20.66	20.51	21.50
Channel				637168	641666	646166	Tune-up power(dBm)
Frequency(MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	20.57	20.62	20.57	21.50
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	20.50	20.64	20.55	21.50

8.5.8 NR Band78 Output Power

N78(3450-3550MHz) ANT5 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		633332			
		Frequency(MHz)		3499.98			
100	PI/2 BPSK	1	1		19.89		21.00
		1	137		19.82		21.00
		1	271		19.55		21.00
		135	0		19.46		20.50
		135	69		19.72		21.00
		135	138		19.30		20.50
		270	0		19.37		20.50
	QPSK	1	1		19.63		21.00
		1	137		19.70		21.00
		1	271		19.69		21.00
		135	0		18.81		20.00
		135	69		19.72		21.00
		135	138		18.81		20.00
		270	0		18.69		20.00
	16QAM	1	1		18.90		20.00
	64QAM	1	1		17.44		18.50
	256QAM	1	1		15.20		16.50
Channel				633000	633332	633666	Tune-up power(dBm)
Frequency(MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	19.84	19.87	19.79	21.00
Channel				632668	633332	634000	Tune-up power(dBm)
Frequency(MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	19.82	19.82	19.64	21.00
Channel				632334	633332	634332	Tune-up power(dBm)
Frequency(MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	19.77	19.72	19.75	21.00
Channel				632000	633332	634666	Tune-up power(dBm)
Frequency(MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	19.76	19.72	19.73	21.00
Channel				631668	633332	635000	Tune-up power(dBm)
Frequency(MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	19.82	19.75	19.70	21.00
Channel				631334	633332	635332	Tune-up power(dBm)
Frequency(MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	19.81	19.82	19.75	21.00
Channel				631000	633332	635666	Tune-up power(dBm)
Frequency(MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	19.80	19.82	19.75	21.00
Channel				630834	633332	635832	Tune-up power(dBm)
Frequency(MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	19.71	19.81	19.75	21.00
Channel				630668	633332	636000	Tune-up power(dBm)
Frequency(MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	19.69	19.75	19.77	21.00
Channel				630500	633332	636166	Tune-up power(dBm)
Frequency(MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	19.71	19.81	19.73	21.00
Channel				630334	633332	636332	Tune-up power(dBm)
Frequency(MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	19.83	19.74	19.69	21.00

8.5.8 NR Band78 Output Power

N78(3450-3550MHz) ANT6 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		633332			
		Frequency(MHz)		3499.98			
100	PI/2 BPSK	1	1		20.33		21.00
		1	137		20.27		21.00
		1	271		20.09		21.00
		135	0		19.88		20.50
		135	69		20.13		21.00
		135	138		19.82		20.50
		270	0		19.68		20.50
	QPSK	1	1		20.24		21.00
		1	137		20.15		21.00
		1	271		20.09		21.00
		135	0		19.36		20.00
		135	69		20.15		21.00
		135	138		19.30		20.00
		270	0		19.25		20.00
	16QAM	1	1		19.26		20.00
	64QAM	1	1		17.88		18.50
	256QAM	1	1		15.74		16.50
Channel				639668	641666	643666	Tune-up power(dBm)
Frequency(MHz)				3595.02	3624.99	3654.99	
90	QPSK	1	1	20.09	20.25	20.14	21.00
Channel				639334	641666	644000	Tune-up power(dBm)
Frequency(MHz)				3590.01	3624.99	3660	
80	QPSK	1	1	20.07	20.23	20.22	21.00
Channel				639000	641666	644332	Tune-up power(dBm)
Frequency(MHz)				3585	3624.99	3664.98	
70	QPSK	1	1	20.10	20.20	20.28	21.00
Channel				638668	641666	644666	Tune-up power(dBm)
Frequency(MHz)				3580.02	3624.99	3669.99	
60	QPSK	1	1	20.11	20.22	20.24	21.00
Channel				638334	641666	645000	Tune-up power(dBm)
Frequency(MHz)				3575.01	3624.99	3675	
50	QPSK	1	1	20.11	20.32	20.24	21.00
Channel				638000	641666	645332	Tune-up power(dBm)
Frequency(MHz)				3570	3624.99	3679.98	
40	QPSK	1	1	20.21	20.22	20.17	21.00
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	20.09	20.30	20.19	21.00
Channel				637500	641666	645832	Tune-up power(dBm)
Frequency(MHz)				3562.5	3624.99	3687.48	
25	QPSK	1	1	20.10	20.21	20.26	21.00
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	20.07	20.19	20.20	21.00
Channel				637168	641666	646166	Tune-up power(dBm)
Frequency(MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	20.16	20.20	20.22	21.00
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	20.20	20.21	20.26	21.00

8.5.8 NR Band78 Output Power

N78(3700-3800 MHz)-ANT0 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					650000		
Frequency(MHz)					3750		
100	PI/2 BPSK	1	1		20.33		21.50
		1	137		20.27		21.50
		1	271		20.06		21.50
		135	0		19.85		21.00
		135	69		20.11		21.50
		135	138		19.79		21.00
		270	0		19.69		21.00
	QPSK	1	1		20.24		21.50
		1	137		20.22		21.50
		1	271		20.14		21.50
		135	0		19.42		20.50
		135	69		20.19		21.50
		135	138		19.31		20.50
		270	0		19.27		20.50
	16QAM	1	1		19.23		20.50
	64QAM	1	1		17.89		19.00
	256QAM	1	1		15.78		17.00
Channel				649668	650000	650332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	20.07	20.20	20.11	21.50
Channel				649334	650000	650666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	20.06	20.20	20.17	21.50
Channel				649000	650000	651000	Tune-up power(dBm)
Frequency(MHz)				3735	3750	3765	
70	QPSK	1	1	19.99	20.24	20.09	21.50
Channel				648668	650000	651332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	20.02	20.25	20.19	21.50
Channel				648334	650000	651666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	20.07	20.18	20.22	21.50
Channel				648000	650000	652000	Tune-up power(dBm)
Frequency(MHz)				3720	3750	3780	
40	QPSK	1	1	20.05	20.31	20.15	21.50
Channel				647668	650000	652332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	20.10	20.22	20.19	21.50
Channel				647500	650000	652500	Tune-up power(dBm)
Frequency(MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	20.06	20.22	20.21	21.50
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	20.07	20.17	20.14	21.50
Channel				647168	650000	652832	Tune-up power(dBm)
Frequency(MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	20.09	20.25	20.12	21.50
Channel				647000	650000	653000	Tune-up power(dBm)
Frequency(MHz)				3705	3750	3795	
10	QPSK	1	1	20.06	20.19	20.19	21.50

8.5.8 NR Band78 Output Power

N78(3700-3800 MHz)-ANT3 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					650000		
Frequency(MHz)					3750		
100	PI/2 BPSK	1	1		20.12		21.50
		1	137		19.97		21.50
		1	271		19.84		21.50
		135	0		19.67		21.00
		135	69		19.85		21.50
		135	138		19.52		21.00
		270	0		19.44		21.00
	QPSK	1	1		20.06		21.50
		1	137		19.86		21.50
		1	271		19.88		21.50
		135	0		19.11		20.50
		135	69		19.85		21.50
		135	138		19.00		20.50
		270	0		19.06		20.50
	16QAM	1	1		19.01		20.50
	64QAM	1	1		17.61		19.00
	256QAM	1	1		15.55		17.00
Channel				649668	650000	650332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	19.83	20.03	19.99	21.50
Channel				649334	650000	650666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	19.85	20.01	19.92	21.50
Channel				649000	650000	651000	Tune-up power(dBm)
Frequency(MHz)				3735	3750	3765	
70	QPSK	1	1	19.81	19.94	20.01	21.50
Channel				648668	650000	651332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	19.89	20.05	19.93	21.50
Channel				648334	650000	651666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	19.86	19.98	19.93	21.50
Channel				648000	650000	652000	Tune-up power(dBm)
Frequency(MHz)				3720	3750	3780	
40	QPSK	1	1	19.79	20.03	19.99	21.50
Channel				647668	650000	652332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	19.80	19.99	19.96	21.50
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	19.85	20.00	20.00	21.50
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	19.89	19.93	19.97	21.50
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	19.92	19.95	19.99	21.50
Channel				647000	650000	653000	Tune-up power(dBm)
Frequency(MHz)				3705	3750	3795	
10	QPSK	1	1	19.91	19.97	20.00	21.50

8.5.8 NR Band78 Output Power

N78(3700-3800 MHz)-ANT5 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					650000		
Frequency(MHz)					3750		
100	PI/2 BPSK	1	1		19.86		21.00
		1	137		19.76		21.00
		1	271		19.58		21.00
		135	0		19.48		20.50
		135	69		19.73		21.00
		135	138		19.34		20.50
		270	0		19.26		20.50
	QPSK	1	1		19.79		21.00
		1	137		19.76		21.00
		1	271		19.69		21.00
		135	0		18.91		20.00
		135	69		19.71		21.00
		135	138		18.87		20.00
		270	0		18.74		20.00
	16QAM	1	1		18.82		20.00
	64QAM	1	1		17.47		18.50
	256QAM	1	1		15.32		16.50
Channel				649668	650000	650332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	19.73	19.85	19.82	21.00
Channel				649334	650000	650666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	19.67	19.75	19.77	21.00
Channel				649000	650000	651000	Tune-up power(dBm)
Frequency(MHz)				3735	3750	3765	
70	QPSK	1	1	19.68	19.84	19.79	21.00
Channel				648668	650000	651332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	19.62	19.72	19.67	21.00
Channel				648334	650000	651666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	19.61	19.74	19.67	21.00
Channel				648000	650000	652000	Tune-up power(dBm)
Frequency(MHz)				3720	3750	3780	
40	QPSK	1	1	19.69	19.82	19.77	21.00
Channel				647668	650000	652332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	19.64	19.73	19.73	21.00
Channel				647500	650000	652500	Tune-up power(dBm)
Frequency(MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	19.70	19.71	19.81	21.00
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	19.66	19.80	19.79	21.00
Channel				647168	650000	652832	Tune-up power(dBm)
Frequency(MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	19.70	19.71	19.74	21.00
Channel				647000	650000	653000	Tune-up power(dBm)
Frequency(MHz)				3705	3750	3795	
10	QPSK	1	1	19.69	19.73	19.74	21.00

8.5.8 NR Band78 Output Power

N78(3700-3800 MHz)-ANT6 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					650000		
Frequency(MHz)					3750		
100	PI/2 BPSK	1	1		20.12		21.00
		1	137		20.01		21.00
		1	271		19.84		21.00
		135	0		19.60		20.50
		135	69		19.84		21.00
		135	138		19.54		20.50
		270	0		19.39		20.50
	QPSK	1	1		20.00		21.00
		1	137		19.96		21.00
		1	271		19.90		21.00
		135	0		19.18		20.00
		135	69		19.87		21.00
		135	138		19.11		20.00
		270	0		18.99		20.00
	16QAM	1	1		18.94		20.00
	64QAM	1	1		17.57		18.50
	256QAM	1	1		15.56		16.50
Channel				649668	650000	650332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	19.94	20.08	20.04	21.00
Channel				649334	650000	650666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	19.91	20.05	19.95	21.00
Channel				649000	650000	651000	Tune-up power(dBm)
Frequency(MHz)				3735	3750	3765	
70	QPSK	1	1	19.91	19.98	19.90	21.00
Channel				648668	650000	651332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	19.93	20.01	19.95	21.00
Channel				648334	650000	651666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	19.93	19.98	19.99	21.00
Channel				648000	650000	652000	Tune-up power(dBm)
Frequency(MHz)				3720	3750	3780	
40	QPSK	1	1	19.79	19.97	19.96	21.00
Channel				647668	650000	652332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	19.93	20.04	20.01	21.00
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	19.81	20.06	19.94	21.00
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	19.85	19.99	19.94	21.00
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	19.88	19.96	19.99	21.00
Channel				647000	650000	653000	Tune-up power(dBm)
Frequency(MHz)				3705	3750	3795	
10	QPSK	1	1	19.88	20.03	19.95	21.00