

8 CONDUCTED RF OUTPUT POWER

8.1	WCDMA Output Power
8.2	LTE Output Power
8.2.1	LTE Band2 Output Power
8.2.2	LTE Band4 Output Power
8.2.3	LTE Band5 Output Power
8.2.4	LTE Band7 Output Power
8.2.5	LTE Band12 Output Power
8.2.6	LTE Band13 Output Power
8.2.7	LTE Band25 Output Power
8.2.8	LTE Band26 Output Power
8.2.9	LTE Band66 Output Power
8.2.10	LTE Band71 Output Power
8.2.11	LTE Band38 Output Power
8.2.12	LTE Band40 Output Power
8.2.13	LTE Band41 Output Power
8.2.14	LTE Band48 Output Power
8.3	Intra-Band Uplink CA Power
8.4	NR Output Power
8.4.1	NR Band25 Output Power
8.4.2	NR Band66 Output Power
8.4.3	NR Band71 Output Power
8.4.4	NR Band41 Output Power
8.4.5	NR Band48 Output Power
8.4.6	NR Band77 Output Power
8.4.7	NR Band78 Output Power

8.1 WCDMA Output Power

WCDMA II Full Power 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	24.54	24.56	24.48	25.50
HSDPA Subtest-1	23.60	23.56	23.77	24.50
HSDPA Subtest-2	23.58	23.52	23.76	24.50
HSDPA Subtest-3	23.09	23.07	23.25	24.00
HSDPA Subtest-4	23.04	23.08	23.27	24.00
HSUPA Subtest-1	23.43	23.57	23.52	24.50
HSUPA Subtest-2	21.48	21.55	21.52	22.50
HSUPA Subtest-3	22.56	22.67	22.54	23.50
HSUPA Subtest-4	21.53	21.58	21.47	22.50
HSUPA Subtest-5	23.59	23.68	23.55	24.50
WCDMA IV Full Power ANT5				
Band	Band 4			Tune-up Limit Power(dBm)
TX Channel	1312	1412	1513	
RX Channel	1537	1638	1738	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	21.52	21.83	21.79	22.50
HSDPA Subtest-1	20.60	20.86	20.84	21.50
HSDPA Subtest-2	20.52	20.90	20.90	21.50
HSDPA Subtest-3	20.09	20.40	20.36	21.00
HSDPA Subtest-4	20.03	20.39	20.42	21.00
HSUPA Subtest-1	20.51	20.73	20.77	21.50
HSUPA Subtest-2	18.55	18.80	18.73	19.50
HSUPA Subtest-3	19.53	19.79	19.83	20.50
HSUPA Subtest-4	18.49	18.85	18.77	19.50
HSUPA Subtest-5	20.51	20.78	20.83	21.50
WCDMA V Full Power ANT1				
Band	Band 5			Tune-up Limit Power(dBm)
TX Channel	4132	4182	4233	
RX Channel	4357	4407	4458	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	24.79	24.80	24.66	25.50
HSDPA Subtest-1	23.84	23.82	23.62	25.00
HSDPA Subtest-2	23.85	23.84	23.66	25.00
HSDPA Subtest-3	23.36	23.36	23.18	24.50
HSDPA Subtest-4	23.33	23.34	23.14	24.50
HSUPA Subtest-1	23.76	23.69	23.60	25.00
HSUPA Subtest-2	22.08	22.12	21.94	23.00
HSUPA Subtest-3	23.05	23.11	22.87	24.00
HSUPA Subtest-4	21.96	22.02	21.82	23.00
HSUPA Subtest-5	23.69	23.78	23.59	25.00

8.2.1 LTE Band2 Output Power

LTE B2 Full Power 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	22.52	22.65	22.61	23.50
		49	QPSK	22.57	22.58	22.54	23.50
		99	QPSK	22.51	22.62	22.55	23.50
	50	0	QPSK	21.58	21.72	21.59	22.50
		24	QPSK	21.52	21.80	21.57	22.50
		50	QPSK	21.51	21.75	21.60	22.50
	100	0	QPSK	21.47	21.77	21.48	22.50
20	1	0	16QAM	21.46	21.79	21.59	22.50
		49	16QAM	21.52	21.75	21.53	22.50
		99	16QAM	21.50	21.74	21.46	22.50
	50	0	16QAM	20.49	20.70	20.53	21.50
		24	16QAM	20.56	20.68	20.54	21.50
		50	16QAM	20.52	20.65	20.57	21.50
	100	0	16QAM	20.60	20.76	20.51	21.50
20	1	0	64QAM	20.47	20.61	20.52	21.50
		49	64QAM	20.50	20.43	20.52	21.50
		99	64QAM	20.37	20.61	20.47	21.50
	50	0	64QAM	19.38	19.60	19.52	20.50
		24	64QAM	19.41	19.59	19.56	20.50
		50	64QAM	19.54	19.53	19.52	20.50
	100	0	64QAM	19.47	19.58	19.46	20.50
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	1	0	QPSK	22.44	22.59	22.60	23.50
		37	QPSK	22.48	22.54	22.53	23.50
		74	QPSK	22.36	22.61	22.46	23.50
	36	0	QPSK	21.53	21.60	21.58	22.50
		20	QPSK	21.44	21.79	21.46	22.50
		39	QPSK	21.50	21.72	21.59	22.50
	75	0	QPSK	21.36	21.73	21.43	22.50
15	1	0	16QAM	21.40	21.69	21.56	22.50
		37	16QAM	21.40	21.64	21.39	22.50
		74	16QAM	21.42	21.62	21.33	22.50
	36	0	16QAM	20.43	20.61	20.41	21.50
		20	16QAM	20.52	20.54	20.44	21.50
		39	16QAM	20.47	20.58	20.48	21.50
	75	0	16QAM	20.54	20.75	20.36	21.50
15	1	0	64QAM	20.42	20.54	20.37	21.50
		37	64QAM	20.45	20.37	20.38	21.50
		74	64QAM	20.25	20.60	20.41	21.50
	36	0	64QAM	19.23	19.46	19.48	20.50
		20	64QAM	19.38	19.51	19.49	20.50
		39	64QAM	19.42	19.48	19.44	20.50
	75	0	64QAM	19.40	19.52	19.35	20.50
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	1	0	QPSK	22.47	22.64	22.60	23.50
		25	QPSK	22.43	22.54	22.49	23.50
		49	QPSK	22.36	22.50	22.53	23.50
	25	0	QPSK	21.48	21.60	21.45	22.50
		12	QPSK	21.50	21.79	21.49	22.50
		25	QPSK	21.46	21.71	21.55	22.50
	50	0	QPSK	21.39	21.72	21.46	22.50
10	1	0	16QAM	21.42	21.64	21.52	22.50
		25	16QAM	21.41	21.72	21.48	22.50
		49	16QAM	21.48	21.71	21.33	22.50
	25	0	16QAM	20.44	20.60	20.51	21.50
		12	16QAM	20.41	20.53	20.52	21.50
		25	16QAM	20.50	20.58	20.44	21.50
	50	0	16QAM	20.54	20.69	20.47	21.50
10	1	0	64QAM	20.32	20.46	20.46	21.50
		25	64QAM	20.45	20.32	20.48	21.50
		49	64QAM	20.25	20.49	20.32	21.50
	25	0	64QAM	19.30	19.59	19.37	20.50
		12	64QAM	19.33	19.46	19.41	20.50
		25	64QAM	19.50	19.49	19.51	20.50
	50	0	64QAM	19.43	19.56	19.36	20.50

Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	1	0	QPSK	22.37	22.63	22.52	23.50
		12	QPSK	22.42	22.55	22.43	23.50
		24	QPSK	22.48	22.59	22.50	23.50
	12	0	QPSK	21.43	21.58	21.47	22.50
		7	QPSK	21.46	21.65	21.47	22.50
		13	QPSK	21.36	21.69	21.46	22.50
	25	0	QPSK	21.39	21.66	21.47	22.50
5	1	0	16QAM	21.38	21.72	21.45	22.50
		12	16QAM	21.43	21.73	21.52	22.50
		24	16QAM	21.40	21.71	21.34	22.50
	12	0	16QAM	20.38	20.68	20.49	21.50
		7	16QAM	20.42	20.53	20.42	21.50
		13	16QAM	20.45	20.54	20.52	21.50
	25	0	16QAM	20.51	20.75	20.48	21.50
5	1	0	64QAM	20.46	20.50	20.41	21.50
		12	64QAM	20.35	20.33	20.40	21.50
		24	64QAM	20.32	20.59	20.42	21.50
	12	0	64QAM	19.28	19.59	19.48	20.50
		7	64QAM	19.38	19.46	19.43	20.50
		13	64QAM	19.48	19.42	19.44	20.50
	25	0	64QAM	19.44	19.52	19.31	20.50
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	1	0	QPSK	22.39	22.52	22.58	23.50
		8	QPSK	22.56	22.53	22.43	23.50
		14	QPSK	22.44	22.61	22.46	23.50
	8	0	QPSK	21.53	21.69	21.51	22.50
		4	QPSK	21.37	21.78	21.55	22.50
		7	QPSK	21.47	21.69	21.54	22.50
	15	0	QPSK	21.37	21.72	21.38	22.50
3	1	0	16QAM	21.45	21.64	21.44	22.50
		8	16QAM	21.46	21.64	21.44	22.50
		14	16QAM	21.46	21.66	21.31	22.50
	8	0	16QAM	20.41	20.59	20.41	21.50
		4	16QAM	20.42	20.54	20.46	21.50
		7	16QAM	20.47	20.54	20.54	21.50
	15	0	16QAM	20.56	20.74	20.46	21.50
3	1	0	64QAM	20.33	20.60	20.37	21.50
		8	64QAM	20.46	20.34	20.45	21.50
		14	64QAM	20.28	20.57	20.44	21.50
	8	0	64QAM	19.26	19.45	19.39	20.50
		4	64QAM	19.36	19.55	19.43	20.50
		7	64QAM	19.47	19.38	19.50	20.50
	15	0	64QAM	19.34	19.56	19.37	20.50
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	1	0	QPSK	22.48	22.64	22.56	23.50
		3	QPSK	22.52	22.54	22.53	23.50
		5	QPSK	22.36	22.58	22.44	23.50
	3	0	QPSK	22.51	22.60	22.59	23.50
		1	QPSK	22.45	22.50	22.48	23.50
		3	QPSK	22.50	22.52	22.49	23.50
	6	0	QPSK	21.47	21.58	21.55	22.50
1.4	1	0	16QAM	21.50	21.75	21.45	22.50
		3	16QAM	21.38	21.68	21.50	22.50
		5	16QAM	21.54	21.59	21.51	22.50
	3	0	16QAM	21.45	21.57	21.48	22.50
		1	16QAM	21.51	21.75	21.52	22.50
		3	16QAM	21.50	21.65	21.47	22.50
	6	0	16QAM	20.41	20.58	20.38	21.50
1.4	1	0	64QAM	20.47	20.58	20.46	21.50
		3	64QAM	20.40	20.63	20.53	21.50
		5	64QAM	20.35	20.69	20.51	21.50
	3	0	64QAM	20.40	20.57	20.52	21.50
		1	64QAM	20.55	20.61	20.52	21.50
		3	64QAM	20.43	20.53	20.45	21.50
	6	0	64QAM	19.50	19.40	19.47	20.50

LTE B2 ANT5(EN-DC)							
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	22.52	22.65	22.61	23.50
		49	QPSK	22.57	22.58	22.54	23.50
		99	QPSK	22.51	22.62	22.55	23.50
	50	0	QPSK	21.58	21.72	21.59	22.50
		24	QPSK	21.52	21.80	21.57	22.50
		50	QPSK	21.51	21.75	21.60	22.50
	100	0	QPSK	21.47	21.77	21.48	22.50
20	1	0	16QAM	21.46	21.79	21.59	22.50
		49	16QAM	21.52	21.75	21.53	22.50
		99	16QAM	21.50	21.74	21.46	22.50
	50	0	16QAM	20.49	20.70	20.53	21.50
		24	16QAM	20.56	20.68	20.54	21.50
		50	16QAM	20.52	20.65	20.57	21.50
	100	0	16QAM	20.60	20.76	20.51	21.50
20	1	0	64QAM	20.47	20.61	20.52	21.50
		49	64QAM	20.50	20.43	20.52	21.50
		99	64QAM	20.37	20.61	20.47	21.50
	50	0	64QAM	19.38	19.60	19.52	20.50
		24	64QAM	19.41	19.59	19.56	20.50
		50	64QAM	19.54	19.53	19.52	20.50
	100	0	64QAM	19.47	19.58	19.46	20.50
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	1	0	QPSK	22.44	22.59	22.60	23.50
		37	QPSK	22.48	22.54	22.53	23.50
		74	QPSK	22.36	22.61	22.46	23.50
	36	0	QPSK	21.53	21.60	21.58	22.50
		20	QPSK	21.44	21.79	21.46	22.50
		39	QPSK	21.50	21.72	21.59	22.50
	75	0	QPSK	21.36	21.73	21.43	22.50
15	1	0	16QAM	21.40	21.69	21.56	22.50
		37	16QAM	21.40	21.64	21.39	22.50
		74	16QAM	21.42	21.62	21.33	22.50
	36	0	16QAM	20.43	20.61	20.41	21.50
		20	16QAM	20.52	20.54	20.44	21.50
		39	16QAM	20.47	20.58	20.48	21.50
	75	0	16QAM	20.54	20.75	20.36	21.50
15	1	0	64QAM	20.42	20.54	20.37	21.50
		37	64QAM	20.45	20.37	20.38	21.50
		74	64QAM	20.25	20.60	20.41	21.50
	36	0	64QAM	19.23	19.46	19.48	20.50
		20	64QAM	19.38	19.51	19.49	20.50
		39	64QAM	19.42	19.48	19.44	20.50
	75	0	64QAM	19.40	19.52	19.35	20.50
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	1	0	QPSK	22.47	22.64	22.60	23.50
		25	QPSK	22.43	22.54	22.49	23.50
		49	QPSK	22.36	22.50	22.53	23.50
	25	0	QPSK	21.48	21.60	21.45	22.50
		12	QPSK	21.50	21.79	21.49	22.50
		25	QPSK	21.46	21.71	21.55	22.50
	50	0	QPSK	21.39	21.72	21.46	22.50
10	1	0	16QAM	21.42	21.64	21.52	22.50
		25	16QAM	21.41	21.72	21.48	22.50
		49	16QAM	21.48	21.71	21.33	22.50
	25	0	16QAM	20.44	20.60	20.51	21.50
		12	16QAM	20.41	20.53	20.52	21.50
		25	16QAM	20.50	20.58	20.44	21.50
	50	0	16QAM	20.54	20.69	20.47	21.50
10	1	0	64QAM	20.32	20.46	20.46	21.50
		25	64QAM	20.45	20.32	20.48	21.50
		49	64QAM	20.25	20.49	20.32	21.50
	25	0	64QAM	19.30	19.59	19.37	20.50
		12	64QAM	19.33	19.46	19.41	20.50
		25	64QAM	19.50	19.49	19.51	20.50
	50	0	64QAM	19.43	19.56	19.36	20.50

Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	1	0	QPSK	22.37	22.63	22.52	23.50
		12	QPSK	22.42	22.55	22.43	23.50
		24	QPSK	22.48	22.59	22.50	23.50
	12	0	QPSK	21.43	21.58	21.47	22.50
		7	QPSK	21.46	21.65	21.47	22.50
		13	QPSK	21.36	21.69	21.46	22.50
	25	0	QPSK	21.39	21.66	21.47	22.50
5	1	0	16QAM	21.38	21.72	21.45	22.50
		12	16QAM	21.43	21.73	21.52	22.50
		24	16QAM	21.40	21.71	21.34	22.50
	12	0	16QAM	20.38	20.68	20.49	21.50
		7	16QAM	20.42	20.53	20.42	21.50
		13	16QAM	20.45	20.54	20.52	21.50
	25	0	16QAM	20.51	20.75	20.48	21.50
5	1	0	64QAM	20.46	20.50	20.41	21.50
		12	64QAM	20.35	20.33	20.40	21.50
		24	64QAM	20.32	20.59	20.42	21.50
	12	0	64QAM	19.28	19.59	19.48	20.50
		7	64QAM	19.38	19.46	19.43	20.50
		13	64QAM	19.48	19.42	19.44	20.50
	25	0	64QAM	19.44	19.52	19.31	20.50
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	1	0	QPSK	22.39	22.52	22.58	23.50
		8	QPSK	22.56	22.53	22.43	23.50
		14	QPSK	22.44	22.61	22.46	23.50
	8	0	QPSK	21.53	21.69	21.51	22.50
		4	QPSK	21.37	21.78	21.55	22.50
		7	QPSK	21.47	21.69	21.54	22.50
	15	0	QPSK	21.37	21.72	21.38	22.50
3	1	0	16QAM	21.45	21.64	21.44	22.50
		8	16QAM	21.46	21.64	21.44	22.50
		14	16QAM	21.46	21.66	21.31	22.50
	8	0	16QAM	20.41	20.59	20.41	21.50
		4	16QAM	20.42	20.54	20.46	21.50
		7	16QAM	20.47	20.54	20.54	21.50
	15	0	16QAM	20.56	20.74	20.46	21.50
3	1	0	64QAM	20.33	20.60	20.37	21.50
		8	64QAM	20.46	20.34	20.45	21.50
		14	64QAM	20.28	20.57	20.44	21.50
	8	0	64QAM	19.26	19.45	19.39	20.50
		4	64QAM	19.36	19.55	19.43	20.50
		7	64QAM	19.47	19.38	19.50	20.50
	15	0	64QAM	19.34	19.56	19.37	20.50
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	1	0	QPSK	22.48	22.64	22.56	23.50
		3	QPSK	22.52	22.54	22.53	23.50
		5	QPSK	22.36	22.58	22.44	23.50
	3	0	QPSK	22.51	22.60	22.59	23.50
		1	QPSK	22.45	22.50	22.48	23.50
		3	QPSK	22.50	22.52	22.49	23.50
	6	0	QPSK	21.47	21.58	21.55	22.50
1.4	1	0	16QAM	21.50	21.75	21.45	22.50
		3	16QAM	21.38	21.68	21.50	22.50
		5	16QAM	21.54	21.59	21.51	22.50
	3	0	16QAM	21.45	21.57	21.48	22.50
		1	16QAM	21.51	21.75	21.52	22.50
		3	16QAM	21.50	21.65	21.47	22.50
	6	0	16QAM	20.41	20.58	20.38	21.50
1.4	1	0	64QAM	20.47	20.58	20.46	21.50
		3	64QAM	20.40	20.63	20.53	21.50
		5	64QAM	20.35	20.69	20.51	21.50
	3	0	64QAM	20.40	20.57	20.52	21.50
		1	64QAM	20.55	20.61	20.52	21.50
		3	64QAM	20.43	20.53	20.45	21.50
	6	0	64QAM	19.50	19.40	19.47	20.50

8.2.2 LTE Band4 Output Power

LTE B4 Full Power 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	20.62	20.81	20.78	21.50
		49	QPSK	20.50	20.71	20.65	21.50
		99	QPSK	20.58	20.72	20.63	21.50
	50	0	QPSK	19.49	19.66	19.76	20.50
		24	QPSK	19.59	19.71	19.68	20.50
		50	QPSK	19.55	19.77	19.70	20.50
	100	0	QPSK	19.53	19.73	19.64	20.50
20	1	0	16QAM	19.47	19.77	19.74	20.50
		49	16QAM	19.53	19.69	19.73	20.50
		99	16QAM	19.53	19.76	19.77	20.50
	50	0	16QAM	18.52	18.68	18.74	19.50
		24	16QAM	18.55	18.66	18.69	19.50
		50	16QAM	18.49	18.73	18.73	19.50
	100	0	16QAM	18.50	18.77	18.73	19.50
20	1	0	64QAM	18.53	18.74	18.63	19.50
		49	64QAM	18.47	18.77	18.72	19.50
		99	64QAM	18.49	18.77	18.72	19.50
	50	0	64QAM	17.50	17.73	17.64	18.50
		24	64QAM	17.60	17.80	17.64	18.50
		50	64QAM	17.52	17.77	17.75	18.50
	100	0	64QAM	17.57	17.73	17.70	18.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	1	0	QPSK	20.60	20.77	20.67	21.50
		37	QPSK	20.39	20.63	20.51	21.50
		74	QPSK	20.56	20.70	20.48	21.50
	36	0	QPSK	19.40	19.57	19.75	20.50
		20	QPSK	19.55	19.69	19.59	20.50
		39	QPSK	19.45	19.65	19.62	20.50
	75	0	QPSK	19.44	19.66	19.61	20.50
15	1	0	16QAM	19.40	19.62	19.73	20.50
		37	16QAM	19.50	19.57	19.67	20.50
		74	16QAM	19.44	19.70	19.75	20.50
	36	0	16QAM	18.39	18.67	18.64	19.50
		20	16QAM	18.53	18.62	18.55	19.50
		39	16QAM	18.44	18.67	18.62	19.50
	75	0	16QAM	18.47	18.69	18.61	19.50
15	1	0	64QAM	18.46	18.65	18.54	19.50
		37	64QAM	18.45	18.65	18.68	19.50
		74	64QAM	18.46	18.64	18.68	19.50
	36	0	64QAM	17.45	17.58	17.54	18.50
		20	64QAM	17.53	17.70	17.59	18.50
		39	64QAM	17.45	17.69	17.63	18.50
	75	0	64QAM	17.55	17.65	17.62	18.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	1	0	QPSK	20.50	20.71	20.71	21.50
		25	QPSK	20.36	20.65	20.54	21.50
		49	QPSK	20.46	20.71	20.52	21.50
	25	0	QPSK	19.39	19.53	19.65	20.50
		12	QPSK	19.54	19.62	19.56	20.50
		25	QPSK	19.42	19.63	19.63	20.50
	50	0	QPSK	19.49	19.69	19.52	20.50
10	1	0	16QAM	19.40	19.71	19.63	20.50
		25	16QAM	19.49	19.62	19.59	20.50
		49	16QAM	19.44	19.73	19.69	20.50
	25	0	16QAM	18.42	18.58	18.63	19.50
		12	16QAM	18.48	18.65	18.61	19.50
		25	16QAM	18.35	18.70	18.70	19.50
	50	0	16QAM	18.48	18.74	18.62	19.50
10	1	0	64QAM	18.50	18.65	18.55	19.50
		25	64QAM	18.46	18.68	18.62	19.50
		49	64QAM	18.40	18.73	18.58	19.50
	25	0	64QAM	17.44	17.66	17.52	18.50
		12	64QAM	17.49	17.78	17.52	18.50
		25	64QAM	17.44	17.68	17.60	18.50
	50	0	64QAM	17.50	17.59	17.66	18.50

Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	1	0	QPSK	20.53	20.73	20.63	21.50
		12	QPSK	20.37	20.70	20.60	21.50
		24	QPSK	20.49	20.62	20.53	21.50
	12	0	QPSK	19.48	19.61	19.65	20.50
		7	QPSK	19.55	19.65	19.60	20.50
		13	QPSK	19.40	19.65	19.62	20.50
25	0	QPSK	19.42	19.63	19.60	20.50	
5	1	0	16QAM	19.38	19.74	19.69	20.50
		12	16QAM	19.43	19.57	19.59	20.50
		24	16QAM	19.38	19.65	19.63	20.50
	12	0	16QAM	18.38	18.53	18.69	19.50
		7	16QAM	18.41	18.59	18.65	19.50
		13	16QAM	18.35	18.64	18.69	19.50
25	0	16QAM	18.47	18.67	18.66	19.50	
5	1	0	64QAM	18.39	18.67	18.52	19.50
		12	64QAM	18.44	18.72	18.58	19.50
		24	64QAM	18.36	18.63	18.61	19.50
	12	0	64QAM	17.35	17.66	17.52	18.50
		7	64QAM	17.48	17.71	17.57	18.50
		13	64QAM	17.48	17.74	17.70	18.50
25	0	64QAM	17.48	17.69	17.63	18.50	
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	1	0	QPSK	20.57	20.80	20.75	21.50
		8	QPSK	20.39	20.62	20.51	21.50
		14	QPSK	20.44	20.62	20.58	21.50
	8	0	QPSK	19.47	19.56	19.68	20.50
		4	QPSK	19.46	19.68	19.60	20.50
		7	QPSK	19.49	19.66	19.60	20.50
15	0	QPSK	19.43	19.72	19.54	20.50	
3	1	0	16QAM	19.36	19.64	19.72	20.50
		8	16QAM	19.48	19.54	19.70	20.50
		14	16QAM	19.52	19.75	19.62	20.50
	8	0	16QAM	18.42	18.56	18.70	19.50
		4	16QAM	18.48	18.65	18.64	19.50
		7	16QAM	18.48	18.66	18.62	19.50
15	0	16QAM	18.38	18.71	18.60	19.50	
3	1	0	64QAM	18.47	18.64	18.57	19.50
		8	64QAM	18.38	18.76	18.60	19.50
		14	64QAM	18.44	18.74	18.69	19.50
	8	0	64QAM	17.41	17.67	17.52	18.50
		4	64QAM	17.46	17.76	17.63	18.50
		7	64QAM	17.37	17.74	17.61	18.50
15	0	64QAM	17.51	17.63	17.57	18.50	
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	1	0	QPSK	20.60	20.75	20.74	21.50
		3	QPSK	20.42	20.56	20.51	21.50
		5	QPSK	20.45	20.69	20.57	21.50
	3	0	QPSK	20.52	20.67	20.69	21.50
		1	QPSK	20.43	20.65	20.57	21.50
		3	QPSK	20.49	20.64	20.53	21.50
6	0	QPSK	19.45	19.51	19.68	20.50	
1.4	1	0	16QAM	19.56	19.64	19.61	20.50
		3	16QAM	19.41	19.70	19.57	20.50
		5	16QAM	19.41	19.61	19.69	20.50
	3	0	16QAM	19.46	19.61	19.69	20.50
		1	16QAM	19.50	19.60	19.67	20.50
		3	16QAM	19.48	19.76	19.58	20.50
6	0	16QAM	18.45	18.67	18.72	19.50	
1.4	1	0	64QAM	18.52	18.58	18.64	19.50
		3	64QAM	18.40	18.60	18.62	19.50
		5	64QAM	18.46	18.57	18.60	19.50
	3	0	64QAM	18.46	18.59	18.73	19.50
		1	64QAM	18.44	18.62	18.68	19.50
		3	64QAM	18.40	18.72	18.58	19.50
6	0	64QAM	17.41	17.67	17.56	18.50	

8.2.3 LTE Band5 Output Power

LTE B5 Full Power 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	22.99	23.04	23.02	24.00
		25	QPSK	22.87	23.01	22.97	24.00
		49	QPSK	22.89	22.98	23.00	24.00
	25	0	QPSK	21.95	21.96	21.90	23.00
		12	QPSK	21.90	21.92	21.94	23.00
		25	QPSK	21.89	21.94	21.90	23.00
	50	0	QPSK	21.92	21.99	21.94	23.00
10	1	0	16QAM	22.17	22.23	22.19	23.00
		25	16QAM	22.08	22.12	22.17	23.00
		49	16QAM	22.06	22.22	22.09	23.00
	25	0	16QAM	21.13	21.15	21.15	22.00
		12	16QAM	21.13	21.12	21.14	22.00
		25	16QAM	21.07	21.17	21.06	22.00
	50	0	16QAM	21.12	21.14	21.09	22.00
10	1	0	64QAM	20.95	21.01	20.88	22.00
		25	64QAM	20.82	20.94	20.92	22.00
		49	64QAM	20.81	20.85	20.89	22.00
	25	0	64QAM	19.93	19.90	20.00	21.00
		12	64QAM	19.85	19.97	19.90	21.00
		25	64QAM	19.75	19.97	19.85	21.00
	50	0	64QAM	19.76	19.92	19.96	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	1	0	QPSK	22.94	22.98	22.96	24.00
		12	QPSK	22.82	22.98	22.84	24.00
		24	QPSK	22.80	22.85	22.86	24.00
	12	0	QPSK	21.92	21.81	21.89	23.00
		7	QPSK	21.76	21.89	21.81	23.00
		13	QPSK	21.75	21.91	21.86	23.00
	25	0	QPSK	21.91	21.91	21.82	23.00
5	1	0	16QAM	22.10	22.17	22.11	23.00
		12	16QAM	22.01	22.07	22.08	23.00
		24	16QAM	22.02	22.07	21.99	23.00
	12	0	16QAM	21.08	21.03	21.13	22.00
		7	16QAM	21.09	21.04	21.13	22.00
		13	16QAM	20.97	21.02	20.95	22.00
	25	0	16QAM	21.03	21.13	20.98	22.00
5	1	0	64QAM	20.84	20.89	20.81	22.00
		12	64QAM	20.80	20.87	20.91	22.00
		24	64QAM	20.76	20.70	20.86	22.00
	12	0	64QAM	19.85	19.84	19.93	21.00
		7	64QAM	19.81	19.85	19.80	21.00
		13	64QAM	19.68	19.94	19.81	21.00
	25	0	64QAM	19.71	19.84	19.95	21.00

Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	1	0	QPSK	22.86	22.93	22.88	24.00
		8	QPSK	22.80	22.99	22.92	24.00
		14	QPSK	22.86	22.96	22.95	24.00
	8	0	QPSK	21.83	21.83	21.94	23.00
		4	QPSK	21.79	21.89	21.87	23.00
		7	QPSK	21.79	21.87	21.94	23.00
	15	0	QPSK	21.83	21.93	21.84	23.00
3	1	0	16QAM	22.15	22.20	22.06	23.00
		8	16QAM	21.99	22.11	22.06	23.00
		14	16QAM	22.01	22.14	21.95	23.00
	8	0	16QAM	21.08	21.13	21.13	22.00
		4	16QAM	21.00	21.10	21.11	22.00
		7	16QAM	21.06	21.03	21.05	22.00
	15	0	16QAM	20.97	21.04	20.99	22.00
3	1	0	64QAM	20.93	20.93	20.82	22.00
		8	64QAM	20.74	20.89	20.89	22.00
		14	64QAM	20.80	20.82	20.80	22.00
	8	0	64QAM	19.86	19.85	19.88	21.00
		4	64QAM	19.75	19.82	19.78	21.00
		7	64QAM	19.67	19.86	19.75	21.00
	15	0	64QAM	19.64	19.81	19.83	21.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	1	0	QPSK	22.85	22.95	22.93	24.00
		3	QPSK	22.77	22.86	22.85	24.00
		5	QPSK	22.88	22.91	22.85	24.00
	3	0	QPSK	22.91	23.02	23.01	24.00
		1	QPSK	22.82	22.94	22.88	24.00
		3	QPSK	22.83	22.85	22.93	24.00
	6	0	QPSK	21.80	21.80	21.84	23.00
1.4	1	0	16QAM	21.88	21.83	21.88	23.00
		3	16QAM	21.79	21.89	21.90	23.00
		5	16QAM	21.90	21.80	21.86	23.00
	3	0	16QAM	21.87	21.81	21.81	23.00
		1	16QAM	21.81	21.83	21.91	23.00
		3	16QAM	21.77	21.89	21.85	23.00
	6	0	16QAM	20.93	21.11	21.01	22.00
1.4	1	0	64QAM	20.99	21.07	20.96	22.00
		3	64QAM	20.90	21.00	20.73	22.00
		5	64QAM	20.98	21.10	20.95	22.00
	3	0	64QAM	20.96	21.15	20.99	22.00
		1	64QAM	21.06	21.10	20.96	22.00
		3	64QAM	20.81	20.93	20.83	22.00
	6	0	64QAM	19.71	19.91	19.79	21.00

8.2.4 LTE Band7 Output Power

LTE B7 Full Power 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	21.22	21.49	21.43	22.50
		49	QPSK	21.35	21.37	21.29	22.50
		99	QPSK	21.36	21.38	21.42	22.50
	50	0	QPSK	20.22	20.34	20.48	21.50
		24	QPSK	20.32	20.47	20.50	21.50
		50	QPSK	20.31	20.56	20.55	21.50
	100	0	QPSK	20.30	20.42	20.50	21.50
20	1	0	16QAM	20.61	20.71	20.80	21.50
		49	16QAM	20.73	20.72	20.89	21.50
		99	16QAM	20.64	20.66	20.78	21.50
	50	0	16QAM	19.27	19.36	19.51	20.50
		24	16QAM	19.36	19.48	19.55	20.50
		50	16QAM	19.34	19.46	19.60	20.50
	100	0	16QAM	19.29	19.42	19.51	20.50
20	1	0	64QAM	19.14	19.43	19.40	20.50
		49	64QAM	19.30	19.34	19.15	20.50
		99	64QAM	19.35	19.33	19.34	20.50
	50	0	64QAM	18.18	18.41	18.35	19.50
		24	64QAM	18.21	18.44	18.42	19.50
		50	64QAM	18.21	18.29	18.14	19.50
	100	0	64QAM	18.33	18.30	18.29	19.50
Channel				20825	21100	21375	Tune-up power(dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	1	0	QPSK	21.25	21.45	21.37	22.50
		37	QPSK	21.39	21.33	21.42	22.50
		74	QPSK	21.29	21.39	21.38	22.50
	36	0	QPSK	20.22	20.33	20.51	21.50
		20	QPSK	20.33	20.44	20.50	21.50
		39	QPSK	20.35	20.38	20.60	21.50
	75	0	QPSK	20.32	20.41	20.45	21.50
15	1	0	16QAM	20.49	20.66	20.69	21.50
		37	16QAM	20.60	20.77	20.72	21.50
		74	16QAM	20.55	20.66	20.76	21.50
	36	0	16QAM	19.22	19.33	19.52	20.50
		20	16QAM	19.34	19.49	19.56	20.50
		39	16QAM	19.33	19.43	19.64	20.50
	75	0	16QAM	19.34	19.42	19.53	20.50
15	1	0	64QAM	19.18	19.45	19.42	20.50
		37	64QAM	19.24	19.32	19.26	20.50
		74	64QAM	19.35	19.23	19.41	20.50
	36	0	64QAM	18.15	18.39	18.30	19.50
		20	64QAM	18.07	18.40	18.39	19.50
		39	64QAM	18.30	18.25	18.23	19.50
	75	0	64QAM	18.32	18.36	18.30	19.50

Channel				20800	21100	21400	Tune-up power(dBm)
Frequency (MHz)				2505	2535	2565	
10	1	0	QPSK	20.34	21.38	21.39	22.50
		25	QPSK	21.26	21.42	21.34	22.50
		49	QPSK	21.22	21.38	21.41	22.50
	25	0	QPSK	20.25	20.40	20.56	21.50
		12	QPSK	20.36	20.50	20.61	21.50
		25	QPSK	20.33	20.49	20.66	21.50
	50	0	QPSK	20.34	20.49	20.61	21.50
10	1	0	16QAM	19.35	20.82	20.87	21.50
		25	16QAM	20.62	20.78	20.97	21.50
		49	16QAM	20.53	20.80	20.91	21.50
	25	0	16QAM	19.32	19.43	19.62	20.50
		12	16QAM	19.33	19.52	19.64	20.50
		25	16QAM	19.37	19.51	19.71	20.50
	50	0	16QAM	19.38	19.48	19.58	20.50
10	1	0	64QAM	19.13	19.39	19.38	20.50
		25	64QAM	19.28	19.32	19.24	20.50
		49	64QAM	19.24	19.32	19.39	20.50
	25	0	64QAM	18.21	18.47	18.38	19.50
		12	64QAM	18.07	18.36	18.34	19.50
		25	64QAM	18.20	18.25	18.14	19.50
	50	0	64QAM	18.22	18.37	18.31	19.50
Channel				20775	21100	21425	Tune-up power(dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	1	0	QPSK	21.25	21.31	21.36	22.50
		12	QPSK	21.25	21.43	21.40	22.50
		24	QPSK	21.28	21.41	21.41	22.50
	12	0	QPSK	20.26	20.36	20.50	21.50
		7	QPSK	20.32	20.49	20.56	21.50
		13	QPSK	20.32	20.47	20.65	21.50
	25	0	QPSK	20.26	20.45	20.57	21.50
5	1	0	16QAM	20.58	20.67	20.98	21.50
		12	16QAM	20.60	20.72	21.08	21.50
		24	16QAM	20.70	20.74	21.10	21.50
	12	0	16QAM	19.36	19.37	19.64	20.50
		7	16QAM	19.42	19.52	19.67	20.50
		13	16QAM	19.44	19.48	19.77	20.50
	25	0	16QAM	19.30	19.46	19.58	20.50
5	1	0	64QAM	19.20	19.48	19.33	20.50
		12	64QAM	19.20	19.24	19.17	20.50
		24	64QAM	19.21	19.25	19.41	20.50
	12	0	64QAM	18.18	18.40	18.36	19.50
		7	64QAM	18.13	18.48	18.29	19.50
		13	64QAM	18.29	18.33	18.21	19.50
	25	0	64QAM	18.26	18.25	18.30	19.50

8.2.5 LTE Band12 Output Power

LTE B12 Full Power 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	23.68	23.76	23.72	24.50
		25	QPSK	23.54	23.63	23.58	24.50
		49	QPSK	23.67	23.64	23.63	24.50
	25	0	QPSK	22.74	22.86	22.83	23.50
		12	QPSK	22.70	22.80	22.75	23.50
		25	QPSK	22.69	22.84	22.74	23.50
	50	0	QPSK	22.61	22.84	22.82	23.50
10	1	0	16QAM	22.96	23.04	23.02	23.50
		25	16QAM	22.86	23.01	22.91	23.50
		49	16QAM	22.88	22.89	22.99	23.50
	25	0	16QAM	22.81	22.96	22.89	22.50
		12	16QAM	22.94	22.94	22.88	22.50
		25	16QAM	21.56	21.70	21.59	22.50
	50	0	16QAM	21.45	21.60	21.43	22.50
10	1	0	64QAM	21.59	21.55	21.58	22.50
		25	64QAM	21.59	21.65	21.70	22.50
		49	64QAM	21.52	21.58	21.54	22.50
	25	0	64QAM	20.53	20.64	20.71	21.50
		12	64QAM	20.60	20.61	20.62	21.50
		25	64QAM	20.44	20.49	20.43	21.50
	50	0	64QAM	20.61	20.50	20.54	21.50
Channel				23035	23095	23155	Tune-up power(dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	1	0	QPSK	23.53	23.67	23.64	24.50
		12	QPSK	23.48	23.50	23.49	24.50
		24	QPSK	23.64	23.59	23.55	24.50
	12	0	QPSK	22.64	22.77	22.76	23.50
		7	QPSK	22.61	22.68	22.69	23.50
		13	QPSK	22.61	22.73	22.59	23.50
	25	0	QPSK	22.57	22.80	22.79	23.50
5	1	0	16QAM	22.91	23.02	22.97	23.50
		12	16QAM	22.80	22.90	22.81	23.50
		24	16QAM	22.73	22.88	22.92	23.50
	12	0	16QAM	22.77	22.88	22.78	22.50
		7	16QAM	22.87	22.88	22.78	22.50
		13	16QAM	21.44	21.69	21.56	22.50
	25	0	16QAM	21.30	21.53	21.38	22.50
5	1	0	64QAM	21.55	21.53	21.45	22.50
		12	64QAM	21.49	21.62	21.63	22.50
		24	64QAM	21.37	21.48	21.40	22.50
	12	0	64QAM	20.52	20.53	20.59	21.50
		7	64QAM	20.48	20.60	20.54	21.50
		13	64QAM	20.34	20.43	20.39	21.50
	25	0	64QAM	20.49	20.43	20.45	21.50

Channel				23025	23095	23165	Tune-up
Frequency (MHz)				700.5	707.5	714.5	power(dBm)
3	1	0	QPSK	23.63	23.71	23.61	24.50
		8	QPSK	23.40	23.56	23.55	24.50
		14	QPSK	23.61	23.51	23.58	24.50
	8	0	QPSK	22.63	22.74	22.68	23.50
		4	QPSK	22.56	22.65	22.69	23.50
		7	QPSK	22.57	22.79	22.67	23.50
	15	0	QPSK	22.50	22.76	22.67	23.50
3	1	0	16QAM	22.92	22.95	22.88	23.50
		8	16QAM	22.78	22.89	22.84	23.50
		14	16QAM	22.85	22.87	22.98	23.50
	8	0	16QAM	22.72	22.95	22.87	22.50
		4	16QAM	22.93	22.88	22.76	22.50
		7	16QAM	21.46	21.63	21.53	22.50
	15	0	16QAM	21.39	21.52	21.33	22.50
3	1	0	64QAM	21.58	21.52	21.44	22.50
		8	64QAM	21.45	21.54	21.57	22.50
		14	64QAM	21.49	21.51	21.52	22.50
	8	0	64QAM	20.49	20.57	20.70	21.50
		4	64QAM	20.54	20.60	20.50	21.50
		7	64QAM	20.32	20.36	20.42	21.50
	15	0	64QAM	20.50	20.41	20.50	21.50
Channel				23017	23095	23173	Tune-up
Frequency (MHz)				699.7	707.5	715.3	power(dBm)
1.4	1	0	QPSK	23.63	23.71	23.57	24.50
		3	QPSK	23.42	23.53	23.47	24.50
		5	QPSK	23.56	23.59	23.50	24.50
	3	0	QPSK	23.62	23.73	23.67	25.00
		1	QPSK	23.52	23.58	23.56	25.00
		3	QPSK	23.65	23.54	23.60	25.00
	6	0	QPSK	22.71	22.75	22.68	24.00
1.4	1	0	16QAM	22.68	22.67	22.67	23.50
		3	16QAM	22.55	22.83	22.63	23.50
		5	16QAM	22.69	22.76	22.72	23.50
	3	0	16QAM	22.70	22.75	22.69	24.00
		1	16QAM	22.62	22.77	22.63	24.00
		3	16QAM	22.54	22.79	22.65	24.00
	6	0	16QAM	21.53	21.55	21.51	23.00
1.4	1	0	64QAM	21.41	21.58	21.31	22.50
		3	64QAM	21.49	21.51	21.45	22.50
		5	64QAM	21.52	21.66	21.58	22.50
	3	0	64QAM	21.55	21.59	21.49	23.00
		1	64QAM	21.36	21.47	21.40	23.00
		3	64QAM	21.58	21.52	21.43	23.00
	6	0	64QAM	20.56	20.50	20.59	22.00

LTE B12 Full Power ANT1(EN-DC)							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	1	0	QPSK	23.68	23.76	23.72	24.50
		25	QPSK	23.54	23.63	23.58	24.50
		49	QPSK	23.67	23.64	23.63	24.50
	25	0	QPSK	22.74	22.86	22.83	23.50
		12	QPSK	22.70	22.80	22.75	23.50
		25	QPSK	22.69	22.84	22.74	23.50
	50	0	QPSK	22.61	22.84	22.82	23.50
10	1	0	16QAM	22.96	23.04	23.02	23.50
		25	16QAM	22.86	23.01	22.91	23.50
		49	16QAM	22.88	22.89	22.99	23.50
	25	0	16QAM	22.81	22.96	22.89	22.50
		12	16QAM	22.94	22.94	22.88	22.50
		25	16QAM	21.56	21.70	21.59	22.50
	50	0	16QAM	21.45	21.60	21.43	22.50
10	1	0	64QAM	21.59	21.55	21.58	22.50
		25	64QAM	21.59	21.65	21.70	22.50
		49	64QAM	21.52	21.58	21.54	22.50
	25	0	64QAM	20.53	20.64	20.71	21.50
		12	64QAM	20.60	20.61	20.62	21.50
		25	64QAM	20.44	20.49	20.43	21.50
	50	0	64QAM	20.61	20.50	20.54	21.50
Channel				23035	23095	23155	Tune-up power(dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	1	0	QPSK	23.53	23.67	23.64	24.50
		12	QPSK	23.48	23.50	23.49	24.50
		24	QPSK	23.64	23.59	23.55	24.50
	12	0	QPSK	22.64	22.77	22.76	23.50
		7	QPSK	22.61	22.68	22.69	23.50
		13	QPSK	22.61	22.73	22.59	23.50
	25	0	QPSK	22.57	22.80	22.79	23.50
5	1	0	16QAM	22.91	23.02	22.97	23.50
		12	16QAM	22.80	22.90	22.81	23.50
		24	16QAM	22.73	22.88	22.92	23.50
	12	0	16QAM	22.77	22.88	22.78	22.50
		7	16QAM	22.87	22.88	22.78	22.50
		13	16QAM	21.44	21.69	21.56	22.50
	25	0	16QAM	21.30	21.53	21.38	22.50
5	1	0	64QAM	21.55	21.53	21.45	22.50
		12	64QAM	21.49	21.62	21.63	22.50
		24	64QAM	21.37	21.48	21.40	22.50
	12	0	64QAM	20.52	20.53	20.59	21.50
		7	64QAM	20.48	20.60	20.54	21.50
		13	64QAM	20.34	20.43	20.39	21.50
	25	0	64QAM	20.49	20.43	20.45	21.50

Channel				23025	23095	23165	Tune-up
Frequency (MHz)				700.5	707.5	714.5	power(dBm)
3	1	0	QPSK	23.63	23.71	23.61	24.50
		8	QPSK	23.40	23.56	23.55	24.50
		14	QPSK	23.61	23.51	23.58	24.50
	8	0	QPSK	22.63	22.74	22.68	23.50
		4	QPSK	22.56	22.65	22.69	23.50
		7	QPSK	22.57	22.79	22.67	23.50
	15	0	QPSK	22.50	22.76	22.67	23.50
3	1	0	16QAM	22.92	22.95	22.88	23.50
		8	16QAM	22.78	22.89	22.84	23.50
		14	16QAM	22.85	22.87	22.98	23.50
	8	0	16QAM	22.72	22.95	22.87	22.50
		4	16QAM	22.93	22.88	22.76	22.50
		7	16QAM	21.46	21.63	21.53	22.50
	15	0	16QAM	21.39	21.52	21.33	22.50
3	1	0	64QAM	21.58	21.52	21.44	22.50
		8	64QAM	21.45	21.54	21.57	22.50
		14	64QAM	21.49	21.51	21.52	22.50
	8	0	64QAM	20.49	20.57	20.70	21.50
		4	64QAM	20.54	20.60	20.50	21.50
		7	64QAM	20.32	20.36	20.42	21.50
	15	0	64QAM	20.50	20.41	20.50	21.50
Channel				23017	23095	23173	Tune-up
Frequency (MHz)				699.7	707.5	715.3	power(dBm)
1.4	1	0	QPSK	23.63	23.71	23.57	24.50
		3	QPSK	23.42	23.53	23.47	24.50
		5	QPSK	23.56	23.59	23.50	24.50
	3	0	QPSK	23.62	23.73	23.67	25.00
		1	QPSK	23.52	23.58	23.56	25.00
		3	QPSK	23.65	23.54	23.60	25.00
	6	0	QPSK	22.71	22.75	22.68	24.00
1.4	1	0	16QAM	22.68	22.67	22.67	23.50
		3	16QAM	22.55	22.83	22.63	23.50
		5	16QAM	22.69	22.76	22.72	23.50
	3	0	16QAM	22.70	22.75	22.69	24.00
		1	16QAM	22.62	22.77	22.63	24.00
		3	16QAM	22.54	22.79	22.65	24.00
	6	0	16QAM	21.53	21.55	21.51	23.00
1.4	1	0	64QAM	21.41	21.58	21.31	22.50
		3	64QAM	21.49	21.51	21.45	22.50
		5	64QAM	21.52	21.66	21.58	22.50
	3	0	64QAM	21.55	21.59	21.49	23.00
		1	64QAM	21.36	21.47	21.40	23.00
		3	64QAM	21.58	21.52	21.43	23.00
	6	0	64QAM	20.56	20.50	20.59	22.00

8.2.6 LTE Band13 Output Power

LTE B13 Full Power 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		23.75		24.50
		25	QPSK		23.64		24.50
		49	QPSK		23.63		24.50
	25	0	QPSK		22.82		23.50
		12	QPSK		22.67		23.50
		25	QPSK		22.72		23.50
		50	0		QPSK		22.76
	10	1	0		16QAM		22.93
25			16QAM		22.90	23.50	
49			16QAM		22.89	23.50	
25		0	16QAM		21.84	22.50	
		12	16QAM		21.77	22.50	
		25	16QAM		21.72	22.50	
50		0	16QAM		21.70	22.50	
10		1	0		64QAM	21.71	22.50
	25		64QAM		21.82	22.50	
	49		64QAM		21.74	22.50	
	25	0	64QAM		20.70	21.50	
		12	64QAM		20.73	21.50	
		25	64QAM		20.74	21.50	
	50	0	64QAM		20.78	21.50	
	Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5	
5	1	0	QPSK	23.66	23.74	23.71	24.50
		12	QPSK	23.53	23.59	23.51	24.50
		24	QPSK	23.55	23.57	23.62	24.50
	12	0	QPSK	22.74	22.73	22.77	23.50
		7	QPSK	22.66	22.65	22.64	23.50
		13	QPSK	22.59	22.71	22.70	23.50
	25	0	QPSK	22.61	22.71	22.62	23.50
	5	1	0	16QAM	22.78	22.89	22.88
12			16QAM	22.85	22.79	22.88	23.50
24			16QAM	22.82	22.88	22.80	23.50
12		0	16QAM	21.70	21.79	21.74	22.50
		7	16QAM	21.73	21.63	21.65	22.50
		13	16QAM	21.68	21.64	21.64	22.50
25		0	16QAM	21.56	21.57	21.69	22.50
5		1	0	64QAM	21.61	21.70	21.61
	12		64QAM	21.73	21.80	21.71	22.50
	24		64QAM	21.72	21.60	21.72	22.50
	12	0	64QAM	20.56	20.68	20.57	21.50
		7	64QAM	20.58	20.66	20.65	21.50
		13	64QAM	20.65	20.59	20.65	21.50
	25	0	64QAM	20.65	20.71	20.75	21.50

8.2.7 LTE Band25 Output Power

LTE B25 Full Power 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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	1	0	QPSK	22.47	22.54	22.43	23.50
		49	QPSK	22.43	22.49	22.28	23.50
		99	QPSK	22.46	22.39	22.38	23.50
	50	0	QPSK	21.42	21.61	21.33	22.50
		24	QPSK	21.46	21.59	21.30	22.50
		50	QPSK	21.33	21.48	21.31	22.50
	100	0	QPSK	21.44	21.68	21.34	22.50
20	1	0	16QAM	21.45	21.74	21.33	22.50
		49	16QAM	21.37	21.58	21.28	22.50
		99	16QAM	21.33	21.49	21.34	22.50
	50	0	16QAM	20.42	20.65	20.51	21.50
		24	16QAM	20.40	20.56	20.41	21.50
		50	16QAM	20.34	20.62	20.42	21.50
	100	0	16QAM	20.40	20.63	20.39	21.50
20	1	0	64QAM	20.42	20.46	20.38	21.50
		49	64QAM	20.34	20.47	20.15	21.50
		99	64QAM	20.39	20.34	20.31	21.50
	50	0	64QAM	19.37	19.47	19.34	20.50
		24	64QAM	19.44	19.43	19.30	20.50
		50	64QAM	19.38	19.38	19.22	20.50
	100	0	64QAM	19.31	19.36	19.32	20.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	1	0	QPSK	22.41	22.51	22.33	23.50
		37	QPSK	22.28	22.47	22.15	23.50
		74	QPSK	22.32	22.38	22.33	23.50
	36	0	QPSK	21.31	21.50	21.23	22.50
		20	QPSK	21.31	21.48	21.17	22.50
		39	QPSK	21.23	21.43	21.19	22.50
	75	0	QPSK	21.40	21.55	21.32	22.50
15	1	0	16QAM	21.36	21.60	21.25	22.50
		37	16QAM	21.28	21.48	21.20	22.50
		74	16QAM	21.19	21.35	21.20	22.50
	36	0	16QAM	20.32	20.60	20.40	21.50
		20	16QAM	20.26	20.45	20.26	21.50
		39	16QAM	20.32	20.52	20.34	21.50
	75	0	16QAM	20.34	20.61	20.35	21.50
15	1	0	64QAM	20.37	20.45	20.33	21.50
		37	64QAM	20.32	20.40	20.04	21.50
		74	64QAM	20.33	20.33	20.19	21.50
	36	0	64QAM	19.31	19.35	19.26	20.50
		20	64QAM	19.33	19.30	19.24	20.50
		39	64QAM	19.35	19.37	19.12	20.50
	75	0	64QAM	19.19	19.34	19.26	20.50
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	1	0	QPSK	22.40	22.46	22.36	23.50
		25	QPSK	22.39	22.40	22.13	23.50
		49	QPSK	22.40	22.37	22.23	23.50
	25	0	QPSK	21.40	21.54	21.29	22.50
		12	QPSK	21.33	21.54	21.24	22.50
		25	QPSK	21.18	21.46	21.28	22.50
	50	0	QPSK	21.36	21.57	21.20	22.50
10	1	0	16QAM	21.39	21.73	21.28	22.50
		25	16QAM	21.26	21.47	21.17	22.50
		49	16QAM	21.26	21.45	21.21	22.50
	25	0	16QAM	20.30	20.51	20.38	21.50
		12	16QAM	20.36	20.48	20.40	21.50
		25	16QAM	20.21	20.57	20.29	21.50
	50	0	16QAM	20.30	20.53	20.36	21.50
10	1	0	64QAM	20.34	20.45	20.27	21.50
		25	64QAM	20.24	20.35	20.10	21.50
		49	64QAM	20.34	20.30	20.17	21.50
	25	0	64QAM	19.24	19.38	19.29	20.50
		12	64QAM	19.43	19.32	19.28	20.50
		25	64QAM	19.37	19.26	19.21	20.50
	50	0	64QAM	19.25	19.31	19.21	20.50

Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	1	0	QPSK	22.37	22.44	22.33	23.50
		12	QPSK	22.32	22.45	22.26	23.50
		24	QPSK	22.36	22.37	22.24	23.50
	12	0	QPSK	21.35	21.56	21.27	22.50
		7	QPSK	21.38	21.52	21.24	22.50
		13	QPSK	21.18	21.38	21.18	22.50
	25	0	QPSK	21.40	21.64	21.30	22.50
5	1	0	16QAM	21.43	21.73	21.22	22.50
		12	16QAM	21.27	21.49	21.15	22.50
		24	16QAM	21.24	21.44	21.32	22.50
	12	0	16QAM	20.31	20.53	20.39	21.50
		7	16QAM	20.30	20.41	20.36	21.50
		13	16QAM	20.30	20.54	20.36	21.50
	25	0	16QAM	20.33	20.62	20.33	21.50
5	1	0	64QAM	20.40	20.31	20.27	21.50
		12	64QAM	20.32	20.36	20.05	21.50
		24	64QAM	20.24	20.27	20.24	21.50
	12	0	64QAM	19.35	19.34	19.26	20.50
		7	64QAM	19.37	19.38	19.17	20.50
		13	64QAM	19.26	19.33	19.18	20.50
	25	0	64QAM	19.29	19.33	19.20	20.50
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	1	0	QPSK	22.35	22.40	22.35	23.50
		8	QPSK	22.29	22.40	22.26	23.50
		14	QPSK	22.37	22.37	22.34	23.50
	8	0	QPSK	21.31	21.58	21.23	22.50
		4	QPSK	21.45	21.52	21.21	22.50
		7	QPSK	21.24	21.35	21.23	22.50
	15	0	QPSK	21.39	21.66	21.24	22.50
3	1	0	16QAM	21.32	21.61	21.21	22.50
		8	16QAM	21.34	21.53	21.23	22.50
		14	16QAM	21.21	21.37	21.24	22.50
	8	0	16QAM	20.33	20.60	20.50	21.50
		4	16QAM	20.31	20.47	20.39	21.50
		7	16QAM	20.24	20.56	20.40	21.50
	15	0	16QAM	20.38	20.56	20.35	21.50
3	1	0	64QAM	20.41	20.39	20.24	21.50
		8	64QAM	20.26	20.38	20.11	21.50
		14	64QAM	20.37	20.30	20.21	21.50
	8	0	64QAM	19.24	19.40	19.21	20.50
		4	64QAM	19.43	19.40	19.16	20.50
		7	64QAM	19.27	19.37	19.07	20.50
	15	0	64QAM	19.20	19.35	19.31	20.50
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	1	0	QPSK	22.38	22.53	22.41	23.50
		3	QPSK	22.42	22.34	22.18	23.50
		5	QPSK	22.44	22.26	22.28	23.50
	3	0	QPSK	22.44	22.48	22.35	23.50
		1	QPSK	22.35	22.47	22.14	23.50
		3	QPSK	22.41	22.27	22.29	23.50
	6	0	QPSK	21.36	21.56	21.18	22.50
1.4	1	0	16QAM	21.39	21.47	21.16	22.50
		3	16QAM	21.32	21.42	21.25	22.50
		5	16QAM	21.40	21.47	21.27	22.50
	3	0	16QAM	21.28	21.51	21.27	22.50
		1	16QAM	21.33	21.53	21.21	22.50
		3	16QAM	21.32	21.36	21.30	22.50
	6	0	16QAM	20.35	20.61	20.44	21.50
1.4	1	0	64QAM	20.30	20.52	20.34	21.50
		3	64QAM	20.22	20.61	20.40	21.50
		5	64QAM	20.41	20.53	20.45	21.50
	3	0	64QAM	20.38	20.58	20.47	21.50
		1	64QAM	20.28	20.42	20.30	21.50
		3	64QAM	20.23	20.52	20.39	21.50
	6	0	64QAM	19.36	19.44	19.31	20.50

8.2.8 LTE Band26 Output Power

LTE B26 Full Power 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				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	1	0	QPSK	22.92	22.98	22.84	24.00
		37	QPSK	22.77	22.89	22.75	24.00
		74	QPSK	22.84	22.88	22.83	24.00
	36	0	QPSK	21.96	22.04	21.85	23.00
		20	QPSK	21.95	21.92	21.70	23.00
		39	QPSK	21.93	21.93	21.76	23.00
	75	0	QPSK	21.93	22.03	21.71	23.00
15	1	0	16QAM	21.85	21.97	21.80	23.00
		37	16QAM	21.87	22.01	21.84	23.00
		74	16QAM	21.94	21.92	21.80	23.00
	36	0	16QAM	21.04	21.11	20.92	22.00
		20	16QAM	20.94	21.06	20.90	22.00
		39	16QAM	20.91	21.03	20.88	22.00
	75	0	16QAM	20.90	21.06	20.81	22.00
15	1	0	64QAM	20.96	21.02	20.90	22.00
		37	64QAM	20.97	20.98	20.79	22.00
		74	64QAM	21.00	21.01	20.91	22.00
	36	0	64QAM	19.94	20.01	19.78	21.00
		20	64QAM	19.93	20.07	19.79	21.00
		39	64QAM	19.89	20.09	19.83	21.00
	75	0	64QAM	19.89	20.10	19.77	21.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	1	0	QPSK	22.83	22.88	22.80	24.00
		25	QPSK	22.63	22.81	22.71	24.00
		49	QPSK	22.80	22.76	22.77	24.00
	25	0	QPSK	21.95	22.02	21.79	23.00
		12	QPSK	21.91	21.79	21.56	23.00
		25	QPSK	21.81	21.82	21.71	23.00
	50	0	QPSK	21.86	21.95	21.67	23.00
10	1	0	16QAM	21.76	21.92	21.67	23.00
		25	16QAM	21.83	21.94	21.79	23.00
		49	16QAM	21.82	21.80	21.72	23.00
	25	0	16QAM	20.99	20.97	20.80	22.00
		12	16QAM	20.87	21.03	20.86	22.00
		25	16QAM	20.83	20.94	20.76	22.00
	50	0	16QAM	20.79	20.99	20.79	22.00
10	1	0	64QAM	20.83	21.01	20.87	22.00
		25	64QAM	20.90	20.83	20.72	22.00
		49	64QAM	20.94	20.95	20.85	22.00
	25	0	64QAM	19.92	19.91	19.74	21.00
		12	64QAM	19.89	19.93	19.67	21.00
		25	64QAM	19.85	20.04	19.80	21.00
	50	0	64QAM	19.86	20.01	19.66	21.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	1	0	QPSK	22.85	22.91	22.78	24.00
		12	QPSK	22.64	22.88	22.61	24.00
		24	QPSK	22.70	22.79	22.79	24.00
	12	0	QPSK	21.81	21.92	21.80	23.00
		7	QPSK	21.84	21.82	21.68	23.00
		13	QPSK	21.86	21.90	21.68	23.00
	25	0	QPSK	21.92	21.99	21.65	23.00
5	1	0	16QAM	21.76	21.92	21.79	23.00
		12	16QAM	21.78	21.89	21.80	23.00
		24	16QAM	21.84	21.91	21.73	23.00
	12	0	16QAM	20.94	21.10	20.91	22.00
		7	16QAM	20.84	20.93	20.75	22.00
		13	16QAM	20.90	20.96	20.87	22.00
	25	0	16QAM	20.76	21.02	20.69	22.00
5	1	0	64QAM	20.93	20.89	20.75	22.00
		12	64QAM	20.87	20.96	20.78	22.00
		24	64QAM	20.97	20.93	20.85	22.00
	12	0	64QAM	19.79	19.98	19.75	21.00
		7	64QAM	19.92	20.02	19.69	21.00
		13	64QAM	19.76	19.94	19.78	21.00
	25	0	64QAM	19.86	20.09	19.69	21.00

Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	1	0	QPSK	22.78	22.83	22.76	24.00
		8	QPSK	22.76	22.87	22.62	24.00
		14	QPSK	22.76	22.75	22.73	24.00
	8	0	QPSK	21.92	21.93	21.76	23.00
		4	QPSK	21.93	21.84	21.56	23.00
		7	QPSK	21.85	21.81	21.62	23.00
	15	0	QPSK	21.83	21.91	21.63	23.00
3	1	0	16QAM	21.73	21.89	21.78	23.00
		8	16QAM	21.84	21.95	21.73	23.00
		14	16QAM	21.93	21.89	21.65	23.00
	8	0	16QAM	21.01	21.05	20.85	22.00
		4	16QAM	20.79	21.01	20.79	22.00
		7	16QAM	20.89	21.02	20.83	22.00
	15	0	16QAM	20.88	21.01	20.67	22.00
3	1	0	64QAM	20.91	20.96	20.77	22.00
		8	64QAM	20.90	20.95	20.65	22.00
		14	64QAM	20.86	20.94	20.81	22.00
	8	0	64QAM	19.93	19.99	19.74	21.00
		4	64QAM	19.82	19.99	19.72	21.00
		7	64QAM	19.86	20.03	19.73	21.00
	15	0	64QAM	19.82	20.09	19.63	21.00
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	1	0	QPSK	22.82	22.85	22.71	24.00
		3	QPSK	22.74	22.80	22.63	24.00
		5	QPSK	22.76	22.74	22.75	24.00
	3	0	QPSK	22.81	22.95	22.79	24.00
		1	QPSK	22.71	22.79	22.63	24.00
		3	QPSK	22.82	22.85	22.70	24.00
	6	0	QPSK	21.93	21.90	21.82	23.00
1.4	1	0	16QAM	21.87	21.90	21.57	23.00
		3	16QAM	21.91	21.89	21.68	23.00
		5	16QAM	21.91	21.92	21.73	23.00
	3	0	16QAM	21.88	21.90	21.77	23.00
		1	16QAM	21.88	21.84	21.65	23.00
		3	16QAM	21.88	21.84	21.70	23.00
	6	0	16QAM	20.93	20.99	20.83	22.00
1.4	1	0	64QAM	20.82	20.99	20.83	22.00
		3	64QAM	20.88	20.89	20.82	22.00
		5	64QAM	20.92	21.07	20.85	22.00
	3	0	64QAM	21.02	21.10	20.78	22.00
		1	64QAM	20.86	21.02	20.89	22.00
		3	64QAM	20.76	21.02	20.87	22.00
	6	0	64QAM	19.93	20.00	19.70	21.00

8.2.9 LTE Band66 Output Power

LTE B66 Full Power 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	20.58	20.93	20.89	21.50
		49	QPSK	20.43	20.81	20.83	21.50
		99	QPSK	20.52	20.84	20.80	21.50
	50	0	QPSK	19.66	19.87	19.83	20.50
		24	QPSK	19.52	19.81	19.82	20.50
		50	QPSK	19.55	19.72	19.69	20.50
	100	0	QPSK	19.57	19.84	19.70	20.50
20	1	0	16QAM	19.61	19.78	19.75	20.50
		49	16QAM	19.55	19.77	19.82	20.50
		99	16QAM	19.57	19.86	19.78	20.50
	50	0	16QAM	18.67	18.96	18.92	19.50
		24	16QAM	18.66	18.92	18.77	19.50
		50	16QAM	18.61	18.91	18.85	19.50
	100	0	16QAM	18.60	18.88	18.82	19.50
20	1	0	64QAM	18.62	18.88	18.87	19.50
		49	64QAM	18.66	18.81	18.79	19.50
		99	64QAM	18.62	18.91	18.85	19.50
	50	0	64QAM	17.46	17.88	17.84	18.50
		24	64QAM	17.45	17.89	17.81	18.50
		50	64QAM	17.49	17.89	17.87	18.50
	100	0	64QAM	17.55	17.86	17.77	18.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	1	0	QPSK	20.44	20.82	20.81	21.50
		37	QPSK	20.29	20.72	20.71	21.50
		74	QPSK	20.50	20.70	20.69	21.50
	36	0	QPSK	19.60	19.80	19.82	20.50
		20	QPSK	19.50	19.74	19.75	20.50
		39	QPSK	19.51	19.70	19.65	20.50
	75	0	QPSK	19.46	19.77	19.57	20.50
15	1	0	16QAM	19.60	19.65	19.60	20.50
		37	16QAM	19.48	19.72	19.77	20.50
		74	16QAM	19.52	19.76	19.66	20.50
	36	0	16QAM	18.66	18.85	18.84	19.50
		20	16QAM	18.54	18.79	18.68	19.50
		39	16QAM	18.58	18.78	18.79	19.50
	75	0	16QAM	18.50	18.82	18.76	19.50
15	1	0	64QAM	18.59	18.85	18.73	19.50
		37	64QAM	18.56	18.79	18.67	19.50
		74	64QAM	18.50	18.86	18.70	19.50
	36	0	64QAM	17.35	17.73	17.70	18.50
		20	64QAM	17.32	17.84	17.70	18.50
		39	64QAM	17.37	17.80	17.77	18.50
	75	0	64QAM	17.49	17.74	17.76	18.50
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	1	0	QPSK	20.56	20.90	20.85	21.50
		25	QPSK	20.35	20.67	20.74	21.50
		49	QPSK	20.47	20.76	20.74	21.50
	25	0	QPSK	19.56	19.73	19.72	20.50
		12	QPSK	19.39	19.74	19.80	20.50
		25	QPSK	19.47	19.71	19.63	20.50
	50	0	QPSK	19.46	19.81	19.56	20.50
10	1	0	16QAM	19.54	19.66	19.73	20.50
		25	16QAM	19.44	19.63	19.79	20.50
		49	16QAM	19.52	19.83	19.66	20.50
	25	0	16QAM	18.65	18.89	18.82	19.50
		12	16QAM	18.54	18.90	18.65	19.50
		25	16QAM	18.50	18.84	18.70	19.50
	50	0	16QAM	18.46	18.77	18.76	19.50
10	1	0	64QAM	18.55	18.86	18.85	19.50
		25	64QAM	18.52	18.75	18.65	19.50
		49	64QAM	18.55	18.81	18.79	19.50
	25	0	64QAM	17.41	17.81	17.76	18.50
		12	64QAM	17.38	17.82	17.69	18.50
		25	64QAM	17.38	17.78	17.78	18.50
	50	0	64QAM	17.44	17.84	17.62	18.50

Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	1	0	QPSK	20.44	20.87	20.82	21.50
		12	QPSK	20.29	20.80	20.69	21.50
		24	QPSK	20.37	20.77	20.77	21.50
	12	0	QPSK	19.61	19.81	19.71	20.50
		7	QPSK	19.45	19.72	19.79	20.50
		13	QPSK	19.53	19.61	19.63	20.50
	25	0	QPSK	19.53	19.78	19.69	20.50
	5	0	16QAM	19.48	19.68	19.74	20.50
		12	16QAM	19.48	19.73	19.69	20.50
		24	16QAM	19.45	19.81	19.76	20.50
		0	16QAM	18.65	18.95	18.83	19.50
		7	16QAM	18.51	18.79	18.68	19.50
		13	16QAM	18.53	18.83	18.84	19.50
	25	0	16QAM	18.58	18.81	18.78	19.50
5	1	0	64QAM	18.48	18.82	18.78	19.50
		12	64QAM	18.62	18.73	18.64	19.50
		24	64QAM	18.59	18.87	18.73	19.50
	12	0	64QAM	17.43	17.87	17.71	18.50
		7	64QAM	17.33	17.75	17.79	18.50
		13	64QAM	17.42	17.88	17.85	18.50
	25	0	64QAM	17.45	17.82	17.64	18.50
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	1	0	QPSK	20.45	20.89	20.88	21.50
		8	QPSK	20.36	20.67	20.72	21.50
		14	QPSK	20.50	20.77	20.77	21.50
	8	0	QPSK	19.53	19.83	19.73	20.50
		4	QPSK	19.43	19.68	19.80	20.50
		7	QPSK	19.52	19.59	19.66	20.50
	15	0	QPSK	19.48	19.71	19.64	20.50
3	1	0	16QAM	19.59	19.74	19.60	20.50
		8	16QAM	19.52	19.62	19.81	20.50
		14	16QAM	19.44	19.85	19.68	20.50
	8	0	16QAM	18.56	18.84	18.82	19.50
		4	16QAM	18.62	18.86	18.66	19.50
		7	16QAM	18.59	18.90	18.74	19.50
	15	0	16QAM	18.50	18.73	18.76	19.50
3	1	0	64QAM	18.58	18.73	18.76	19.50
		8	64QAM	18.62	18.67	18.71	19.50
		14	64QAM	18.59	18.83	18.82	19.50
	8	0	64QAM	17.32	17.80	17.77	18.50
		4	64QAM	17.30	17.81	17.67	18.50
		7	64QAM	17.36	17.78	17.75	18.50
	15	0	64QAM	17.41	17.80	17.64	18.50
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	1	0	QPSK	20.49	20.89	20.84	21.50
		3	QPSK	20.41	20.70	20.76	21.50
		5	QPSK	20.47	20.74	20.73	21.50
	3	0	QPSK	20.46	20.85	20.86	21.50
		1	QPSK	20.40	20.79	20.69	21.50
		3	QPSK	20.49	20.76	20.77	21.50
	6	0	QPSK	19.53	19.79	19.78	20.50
1.4	1	0	16QAM	19.43	19.79	19.74	20.50
		3	16QAM	19.44	19.67	19.65	20.50
		5	16QAM	19.51	19.77	19.71	20.50
	3	0	16QAM	19.54	19.74	19.73	20.50
		1	16QAM	19.38	19.74	19.69	20.50
		3	16QAM	19.51	19.69	19.66	20.50
	6	0	16QAM	18.56	18.82	18.81	19.50
1.4	1	0	64QAM	18.53	18.81	18.66	19.50
		3	64QAM	18.55	18.80	18.81	19.50
		5	64QAM	18.53	18.92	18.78	19.50
	3	0	64QAM	18.57	18.89	18.78	19.50
		1	64QAM	18.61	18.90	18.69	19.50
		3	64QAM	18.60	18.78	18.79	19.50
	6	0	64QAM	17.40	17.84	17.78	18.50

LTE B66 ANT5(EN-DC)							
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	20.58	20.93	20.89	21.50
		49	QPSK	20.43	20.81	20.83	21.50
		99	QPSK	20.52	20.84	20.80	21.50
	50	0	QPSK	19.66	19.87	19.83	20.50
		24	QPSK	19.52	19.81	19.82	20.50
		50	QPSK	19.55	19.72	19.69	20.50
	100	0	QPSK	19.57	19.84	19.70	20.50
20	1	0	16QAM	19.61	19.78	19.75	20.50
		49	16QAM	19.55	19.77	19.82	20.50
		99	16QAM	19.57	19.86	19.78	20.50
	50	0	16QAM	18.67	18.96	18.92	19.50
		24	16QAM	18.66	18.92	18.77	19.50
		50	16QAM	18.61	18.91	18.85	19.50
	100	0	16QAM	18.60	18.88	18.82	19.50
20	1	0	64QAM	18.62	18.88	18.87	19.50
		49	64QAM	18.66	18.81	18.79	19.50
		99	64QAM	18.62	18.91	18.85	19.50
	50	0	64QAM	17.46	17.88	17.84	18.50
		24	64QAM	17.45	17.89	17.81	18.50
		50	64QAM	17.49	17.89	17.87	18.50
	100	0	64QAM	17.55	17.86	17.77	18.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	1	0	QPSK	20.44	20.82	20.81	21.50
		37	QPSK	20.29	20.72	20.71	21.50
		74	QPSK	20.50	20.70	20.69	21.50
	36	0	QPSK	19.60	19.80	19.82	20.50
		20	QPSK	19.50	19.74	19.75	20.50
		39	QPSK	19.51	19.70	19.65	20.50
	75	0	QPSK	19.46	19.77	19.57	20.50
15	1	0	16QAM	19.60	19.65	19.60	20.50
		37	16QAM	19.48	19.72	19.77	20.50
		74	16QAM	19.52	19.76	19.66	20.50
	36	0	16QAM	18.66	18.85	18.84	19.50
		20	16QAM	18.54	18.79	18.68	19.50
		39	16QAM	18.58	18.78	18.79	19.50
	75	0	16QAM	18.50	18.82	18.76	19.50
15	1	0	64QAM	18.59	18.85	18.73	19.50
		37	64QAM	18.56	18.79	18.67	19.50
		74	64QAM	18.50	18.86	18.70	19.50
	36	0	64QAM	17.35	17.73	17.70	18.50
		20	64QAM	17.32	17.84	17.70	18.50
		39	64QAM	17.37	17.80	17.77	18.50
	75	0	64QAM	17.49	17.74	17.76	18.50
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	1	0	QPSK	20.56	20.90	20.85	21.50
		25	QPSK	20.35	20.67	20.74	21.50
		49	QPSK	20.47	20.76	20.74	21.50
	25	0	QPSK	19.56	19.73	19.72	20.50
		12	QPSK	19.39	19.74	19.80	20.50
		25	QPSK	19.47	19.71	19.63	20.50
	50	0	QPSK	19.46	19.81	19.56	20.50
10	1	0	16QAM	19.54	19.66	19.73	20.50
		25	16QAM	19.44	19.63	19.79	20.50
		49	16QAM	19.52	19.83	19.66	20.50
	25	0	16QAM	18.65	18.89	18.82	19.50
		12	16QAM	18.54	18.90	18.65	19.50
		25	16QAM	18.50	18.84	18.70	19.50
	50	0	16QAM	18.46	18.77	18.76	19.50
10	1	0	64QAM	18.55	18.86	18.85	19.50
		25	64QAM	18.52	18.75	18.65	19.50
		49	64QAM	18.55	18.81	18.79	19.50
	25	0	64QAM	17.41	17.81	17.76	18.50
		12	64QAM	17.38	17.82	17.69	18.50
		25	64QAM	17.38	17.78	17.78	18.50
	50	0	64QAM	17.44	17.84	17.62	18.50

Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	1	0	QPSK	20.44	20.87	20.82	21.50
		12	QPSK	20.29	20.80	20.69	21.50
		24	QPSK	20.37	20.77	20.77	21.50
	12	0	QPSK	19.61	19.81	19.71	20.50
		7	QPSK	19.45	19.72	19.79	20.50
		13	QPSK	19.53	19.61	19.63	20.50
25	0	QPSK	19.53	19.78	19.69	20.50	
5	1	0	16QAM	19.48	19.68	19.74	20.50
		12	16QAM	19.48	19.73	19.69	20.50
		24	16QAM	19.45	19.81	19.76	20.50
	12	0	16QAM	18.65	18.95	18.83	19.50
		7	16QAM	18.51	18.79	18.68	19.50
		13	16QAM	18.53	18.83	18.84	19.50
25	0	16QAM	18.58	18.81	18.78	19.50	
5	1	0	64QAM	18.48	18.82	18.78	19.50
		12	64QAM	18.62	18.73	18.64	19.50
		24	64QAM	18.59	18.87	18.73	19.50
	12	0	64QAM	17.43	17.87	17.71	18.50
		7	64QAM	17.33	17.75	17.79	18.50
		13	64QAM	17.42	17.88	17.85	18.50
25	0	64QAM	17.45	17.82	17.64	18.50	
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	1	0	QPSK	20.45	20.89	20.88	21.50
		8	QPSK	20.36	20.67	20.72	21.50
		14	QPSK	20.50	20.77	20.77	21.50
	8	0	QPSK	19.53	19.83	19.73	20.50
		4	QPSK	19.43	19.68	19.80	20.50
		7	QPSK	19.52	19.59	19.66	20.50
15	0	QPSK	19.48	19.71	19.64	20.50	
3	1	0	16QAM	19.59	19.74	19.60	20.50
		8	16QAM	19.52	19.62	19.81	20.50
		14	16QAM	19.44	19.85	19.68	20.50
	8	0	16QAM	18.56	18.84	18.82	19.50
		4	16QAM	18.62	18.86	18.66	19.50
		7	16QAM	18.59	18.90	18.74	19.50
15	0	16QAM	18.50	18.73	18.76	19.50	
3	1	0	64QAM	18.58	18.73	18.76	19.50
		8	64QAM	18.62	18.67	18.71	19.50
		14	64QAM	18.59	18.83	18.82	19.50
	8	0	64QAM	17.32	17.80	17.77	18.50
		4	64QAM	17.30	17.81	17.67	18.50
		7	64QAM	17.36	17.78	17.75	18.50
15	0	64QAM	17.41	17.80	17.64	18.50	
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	1	0	QPSK	20.49	20.89	20.84	21.50
		3	QPSK	20.41	20.70	20.76	21.50
		5	QPSK	20.47	20.74	20.73	21.50
	3	0	QPSK	20.46	20.85	20.86	21.50
		1	QPSK	20.40	20.79	20.69	21.50
		3	QPSK	20.49	20.76	20.77	21.50
6	0	QPSK	19.53	19.79	19.78	20.50	
1.4	1	0	16QAM	19.43	19.79	19.74	20.50
		3	16QAM	19.44	19.67	19.65	20.50
		5	16QAM	19.51	19.77	19.71	20.50
	3	0	16QAM	19.54	19.74	19.73	20.50
		1	16QAM	19.38	19.74	19.69	20.50
		3	16QAM	19.51	19.69	19.66	20.50
6	0	16QAM	18.56	18.82	18.81	19.50	
1.4	1	0	64QAM	18.53	18.81	18.66	19.50
		3	64QAM	18.55	18.80	18.81	19.50
		5	64QAM	18.53	18.92	18.78	19.50
	3	0	64QAM	18.57	18.89	18.78	19.50
		1	64QAM	18.61	18.90	18.69	19.50
		3	64QAM	18.60	18.78	18.79	19.50
6	0	64QAM	17.40	17.84	17.78	18.50	

8.2.10 LTE Band71 Output Power

LTE B71 Full Power 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				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	1	0	QPSK	24.48	24.55	24.53	25.00
		49	QPSK	24.39	24.44	24.42	25.00
		99	QPSK	24.46	24.43	24.44	25.00
	50	0	QPSK	23.56	23.72	23.66	24.00
		24	QPSK	23.51	23.71	23.59	24.00
		50	QPSK	23.44	23.57	23.54	24.00
	100	0	QPSK	23.47	23.66	23.61	24.00
20	1	0	16QAM	23.52	23.61	23.53	24.00
		49	16QAM	23.51	23.70	23.59	24.00
		99	16QAM	23.47	23.69	23.53	24.00
	50	0	16QAM	22.59	22.76	22.68	23.00
		24	16QAM	22.57	22.63	22.65	23.00
		50	16QAM	22.49	22.65	22.57	23.00
	100	0	16QAM	22.44	22.66	22.66	23.00
20	1	0	64QAM	22.48	22.68	22.66	23.00
		49	64QAM	22.50	22.69	22.59	23.00
		99	64QAM	22.54	22.69	22.62	23.00
	50	0	64QAM	21.52	21.61	21.60	22.00
		24	64QAM	21.48	21.65	21.65	22.00
		50	64QAM	21.58	21.62	21.60	22.00
	100	0	64QAM	21.44	21.70	21.66	22.00
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	1	0	QPSK	24.39	24.46	24.40	25.00
		37	QPSK	24.37	24.39	24.34	25.00
		74	QPSK	24.32	24.39	24.33	25.00
	36	0	QPSK	23.50	23.58	23.63	24.00
		20	QPSK	23.42	23.68	23.57	24.00
		39	QPSK	23.39	23.48	23.40	24.00
	75	0	QPSK	23.43	23.55	23.54	24.00
15	1	0	16QAM	23.37	23.48	23.44	24.00
		37	16QAM	23.46	23.68	23.49	24.00
		74	16QAM	23.45	23.57	23.52	24.00
	36	0	16QAM	22.57	22.61	22.60	23.00
		20	16QAM	22.55	22.56	22.50	23.00
		39	16QAM	22.46	22.53	22.56	23.00
	75	0	16QAM	22.31	22.60	22.63	23.00
15	1	0	64QAM	22.45	22.58	22.60	23.00
		37	64QAM	22.40	22.57	22.49	23.00
		74	64QAM	22.43	22.62	22.51	23.00
	36	0	64QAM	21.47	21.50	21.45	22.00
		20	64QAM	21.43	21.51	21.54	22.00
		39	64QAM	21.50	21.53	21.50	22.00
	75	0	64QAM	21.41	21.67	21.53	22.00

Channel				133172	133297	133422	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	1	0	QPSK	24.40	24.47	24.45	25.00
		25	QPSK	24.38	24.33	24.37	25.00
		49	QPSK	24.32	24.39	24.34	25.00
	25	0	QPSK	23.48	23.71	23.54	24.00
		12	QPSK	23.50	23.70	23.52	24.00
		25	QPSK	23.33	23.53	23.44	24.00
	50	0	QPSK	23.33	23.65	23.48	24.00
10	1	0	16QAM	23.44	23.56	23.38	24.00
		25	16QAM	23.40	23.64	23.44	24.00
		49	16QAM	23.34	23.62	23.40	24.00
	25	0	16QAM	22.51	22.69	22.57	23.00
		12	16QAM	22.51	22.48	22.63	23.00
		25	16QAM	22.46	22.55	22.42	23.00
	50	0	16QAM	22.43	22.57	22.65	23.00
10	1	0	64QAM	22.45	22.57	22.54	23.00
		25	64QAM	22.46	22.63	22.44	23.00
		49	64QAM	22.46	22.59	22.54	23.00
	25	0	64QAM	21.51	21.47	21.49	22.00
		12	64QAM	21.36	21.53	21.56	22.00
		25	64QAM	21.51	21.59	21.51	22.00
	50	0	64QAM	21.38	21.56	21.61	22.00
Channel				133147	133297	133447	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	1	0	QPSK	24.36	24.49	24.40	25.00
		12	QPSK	24.25	24.37	24.33	25.00
		24	QPSK	24.33	24.37	24.43	25.00
	12	0	QPSK	23.53	23.64	23.53	24.00
		7	QPSK	23.49	23.56	23.47	24.00
		13	QPSK	23.41	23.55	23.41	24.00
	25	0	QPSK	23.46	23.57	23.60	24.00
5	1	0	16QAM	23.47	23.49	23.41	24.00
		12	16QAM	23.36	23.63	23.44	24.00
		24	16QAM	23.34	23.55	23.43	24.00
	12	0	16QAM	22.52	22.65	22.62	23.00
		7	16QAM	22.54	22.54	22.61	23.00
		13	16QAM	22.40	22.50	22.53	23.00
	25	0	16QAM	22.35	22.57	22.52	23.00
5	1	0	64QAM	22.37	22.55	22.62	23.00
		12	64QAM	22.44	22.64	22.45	23.00
		24	64QAM	22.46	22.57	22.47	23.00
	12	0	64QAM	21.43	21.49	21.53	22.00
		7	64QAM	21.42	21.64	21.52	22.00
		13	64QAM	21.53	21.48	21.55	22.00
	25	0	64QAM	21.41	21.67	21.55	22.00

8.2.11 LTE Band38 Output Power

LTE B38 Full Power ANT5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	1	0	QPSK	23.82	23.90	23.78	24.50
		49	QPSK	23.78	23.83	23.85	24.50
		99	QPSK	23.83	23.89	23.79	24.50
	50	0	QPSK	22.95	22.97	22.89	23.50
		24	QPSK	22.96	22.87	22.88	23.50
		50	QPSK	22.90	22.88	22.80	23.50
	100	0	QPSK	22.90	22.86	22.83	23.50
20	1	0	16QAM	23.26	23.38	23.19	23.50
		49	16QAM	23.33	23.31	23.20	23.50
		99	16QAM	23.30	23.27	23.11	23.50
	50	0	16QAM	22.00	21.94	21.88	22.50
		24	16QAM	22.00	21.91	21.92	22.50
		50	16QAM	21.94	21.91	21.82	22.50
	100	0	16QAM	21.99	21.83	21.85	22.50
20	1	0	64QAM	21.73	21.77	21.71	22.50
		49	64QAM	21.71	21.72	21.73	22.50
		99	64QAM	21.72	21.76	21.76	22.50
	50	0	64QAM	20.80	20.82	20.74	21.50
		24	64QAM	20.70	20.87	20.71	21.50
		50	64QAM	20.74	20.77	20.83	21.50
	100	0	64QAM	20.69	20.79	20.65	21.50
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	1	0	QPSK	23.76	23.89	23.85	24.50
		37	QPSK	23.82	23.92	23.89	24.50
		74	QPSK	23.86	23.84	23.76	24.50
	36	0	QPSK	22.82	22.85	22.84	23.50
		20	QPSK	22.91	22.84	22.82	23.50
		39	QPSK	22.90	22.85	22.75	23.50
	75	0	QPSK	22.86	22.78	22.82	23.50
15	1	0	16QAM	23.07	23.26	23.07	23.50
		37	16QAM	23.32	23.22	23.29	23.50
		74	16QAM	23.13	23.23	23.05	23.50
	36	0	16QAM	21.84	21.90	21.92	22.50
		20	16QAM	21.98	21.87	21.86	22.50
		39	16QAM	21.93	21.91	21.81	22.50
	75	0	16QAM	21.94	21.82	21.83	22.50
15	1	0	64QAM	21.70	21.78	21.71	22.50
		37	64QAM	21.69	21.81	21.81	22.50
		74	64QAM	21.79	21.88	21.76	22.50
	36	0	64QAM	20.67	20.83	20.65	21.50
		20	64QAM	20.81	20.83	20.69	21.50
		39	64QAM	20.65	20.81	20.82	21.50
	75	0	64QAM	20.76	20.83	20.66	21.50

Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	1	0	QPSK	23.70	23.78	23.68	24.50
		25	QPSK	23.67	23.73	23.75	24.50
		49	QPSK	23.77	23.81	23.66	24.50
	25	0	QPSK	22.84	22.86	22.88	23.50
		12	QPSK	22.90	22.83	22.79	23.50
		25	QPSK	22.77	22.86	22.72	23.50
	50	0	QPSK	22.80	22.77	22.73	23.50
10	1	0	16QAM	23.14	23.35	23.05	23.50
		25	16QAM	23.29	23.20	23.13	23.50
		49	16QAM	23.16	23.20	22.98	23.50
	25	0	16QAM	21.85	21.90	21.81	22.50
		12	16QAM	21.89	21.88	21.86	22.50
		25	16QAM	21.93	21.85	21.70	22.50
	50	0	16QAM	21.90	21.79	21.73	22.50
10	1	0	64QAM	21.70	21.65	21.66	22.50
		25	64QAM	21.57	21.67	21.62	22.50
		49	64QAM	21.66	21.66	21.67	22.50
	25	0	64QAM	20.69	20.78	20.70	21.50
		12	64QAM	20.57	20.74	20.60	21.50
		25	64QAM	20.67	20.74	20.72	21.50
	50	0	64QAM	20.61	20.72	20.56	21.50
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	1	0	QPSK	23.87	23.92	23.82	24.50
		12	QPSK	23.75	23.85	23.87	24.50
		24	QPSK	23.87	23.89	23.80	24.50
	12	0	QPSK	22.98	22.86	22.84	23.50
		7	QPSK	22.96	23.00	22.82	23.50
		13	QPSK	22.89	22.91	22.81	23.50
	25	0	QPSK	22.93	22.87	22.80	23.50
5	1	0	16QAM	23.37	23.28	23.27	23.50
		12	16QAM	23.49	23.40	23.25	23.50
		24	16QAM	23.38	23.23	23.23	23.50
	12	0	16QAM	22.00	21.95	21.94	22.50
		7	16QAM	22.03	22.01	21.99	22.50
		13	16QAM	21.95	22.00	21.88	22.50
	25	0	16QAM	21.93	21.91	21.83	22.50
5	1	0	64QAM	21.77	21.76	21.66	22.50
		12	64QAM	21.64	21.76	21.75	22.50
		24	64QAM	21.75	21.75	21.68	22.50
	12	0	64QAM	20.79	20.77	20.63	21.50
		7	64QAM	20.73	20.88	20.75	21.50
		13	64QAM	20.69	20.70	20.75	21.50
	25	0	64QAM	20.71	20.88	20.71	21.50

8.2.12 LTE Band40 Output Power

LTE B40 Full Power 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				38750	39150	39550	
Frequency (MHz)				2310	2350	2390	
20	1	0	QPSK	23.56	23.62	23.47	24.00
		49	QPSK	23.53	23.48	23.41	24.00
		99	QPSK	23.52	23.37	23.24	24.00
	50	0	QPSK	22.43	22.54	22.37	23.00
		24	QPSK	22.53	22.44	22.33	23.00
		50	QPSK	22.48	22.46	22.30	23.00
	100	0	QPSK	22.48	22.39	22.29	23.00
20	1	0	16QAM	22.90	22.87	22.81	23.00
		49	16QAM	22.94	22.90	22.86	23.00
		99	16QAM	22.76	22.77	22.69	23.00
	50	0	16QAM	21.45	21.47	21.34	22.00
		24	16QAM	21.59	21.45	21.33	22.00
		50	16QAM	21.50	21.55	21.33	22.00
	100	0	16QAM	21.52	21.41	21.31	22.00
20	1	0	64QAM	21.54	21.60	21.41	22.00
		49	64QAM	21.51	21.49	21.44	22.00
		99	64QAM	21.46	21.52	21.46	22.00
	50	0	64QAM	20.48	20.54	20.45	21.00
		24	64QAM	20.51	20.48	20.32	21.00
		50	64QAM	20.49	20.48	20.36	21.00
	100	0	64QAM	20.43	20.52	20.32	21.00
Channel				38725	39150	39575	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2350	2392.5	
15	1	0	QPSK	23.37	23.48	23.39	24.00
		37	QPSK	23.43	23.50	23.39	24.00
		74	QPSK	23.45	23.36	23.25	24.00
	36	0	QPSK	22.45	22.45	22.35	23.00
		20	QPSK	22.49	22.42	22.36	23.00
		39	QPSK	22.47	22.41	22.28	23.00
	75	0	QPSK	22.50	22.37	22.31	23.00
15	1	0	16QAM	22.79	22.88	22.81	23.00
		37	16QAM	22.73	22.81	22.78	23.00
		74	16QAM	22.71	22.70	22.59	23.00
	36	0	16QAM	21.48	21.46	21.33	22.00
		20	16QAM	21.50	21.47	21.43	22.00
		39	16QAM	21.52	21.49	21.36	22.00
	75	0	16QAM	21.50	21.40	21.36	22.00
15	1	0	64QAM	21.52	21.54	21.40	22.00
		37	64QAM	21.43	21.38	21.38	22.00
		74	64QAM	21.42	21.46	21.35	22.00
	36	0	64QAM	20.46	20.46	20.32	21.00
		20	64QAM	20.46	20.40	20.26	21.00
		39	64QAM	20.48	20.37	20.26	21.00
	75	0	64QAM	20.37	20.40	20.19	21.00

Channel				38700	39150	39600	Tune-up limit
Frequency (MHz)				2305	2350	2395	(dBm)
10	1	0	QPSK	23.39	23.44	23.39	24.00
		25	QPSK	23.54	23.58	23.38	24.00
		49	QPSK	23.45	23.48	23.30	24.00
	25	0	QPSK	22.53	22.47	22.29	23.00
		12	QPSK	22.55	22.46	22.29	23.00
		25	QPSK	22.52	22.49	22.31	23.00
	50	0	QPSK	22.54	22.43	22.27	23.00
10	1	0	16QAM	22.83	22.81	22.73	23.00
		25	16QAM	22.73	22.86	22.73	23.00
		49	16QAM	22.82	22.85	22.62	23.00
	25	0	16QAM	21.54	21.49	21.34	22.00
		12	16QAM	21.63	21.51	21.37	22.00
		25	16QAM	21.56	21.56	21.37	22.00
	50	0	16QAM	21.57	21.44	21.27	22.00
10	1	0	64QAM	21.42	21.54	21.33	22.00
		25	64QAM	21.46	21.35	21.39	22.00
		49	64QAM	21.44	21.50	21.41	22.00
	25	0	64QAM	20.45	20.42	20.37	21.00
		12	64QAM	20.45	20.43	20.22	21.00
		25	64QAM	20.40	20.36	20.27	21.00
	50	0	64QAM	20.34	20.49	20.18	21.00
Channel				38675	39150	39625	Tune-up limit
Frequency (MHz)				2302.5	2350	2397.5	(dBm)
5	1	0	QPSK	23.43	23.49	23.35	24.00
		12	QPSK	23.42	23.48	23.28	24.00
		24	QPSK	23.48	23.45	23.31	24.00
	12	0	QPSK	22.54	22.45	22.38	23.00
		7	QPSK	22.56	22.49	22.36	23.00
		13	QPSK	22.51	22.52	22.33	23.00
	25	0	QPSK	22.51	22.40	22.33	23.00
5	1	0	16QAM	22.89	22.96	22.74	23.00
		12	16QAM	22.87	23.06	22.81	23.00
		24	16QAM	22.88	22.93	22.70	23.00
	12	0	16QAM	21.61	21.51	21.41	22.00
		7	16QAM	21.63	21.54	21.38	22.00
		13	16QAM	21.64	21.59	21.37	22.00
	25	0	16QAM	21.55	21.45	21.34	22.00
5	1	0	64QAM	21.43	21.59	21.38	22.00
		12	64QAM	21.49	21.36	21.34	22.00
		24	64QAM	21.40	21.46	21.38	22.00
	12	0	64QAM	20.43	20.45	20.39	21.00
		7	64QAM	20.36	20.47	20.26	21.00
		13	64QAM	20.47	20.38	20.34	21.00
	25	0	64QAM	20.42	20.48	20.25	21.00

8.2.13 LTE Band41 Output Power

LTE B41 Full Power 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	25.05	25.10	25.28	24.96	24.75	25.50
		49	QPSK	25.02	25.07	25.27	24.89	24.67	25.50
		99	QPSK	24.93	25.01	25.14	24.95	24.65	25.50
	50	0	QPSK	24.01	24.07	24.13	23.82	23.65	24.50
		24	QPSK	23.97	24.04	24.17	23.93	23.69	24.50
		50	QPSK	23.98	24.09	24.22	23.95	23.68	24.50
	100	0	QPSK	24.03	23.97	24.22	23.89	23.69	24.50
20	1	0	16QAM	23.91	24.09	24.24	23.88	23.61	24.50
		49	16QAM	23.95	24.04	24.20	23.85	23.66	24.50
		99	16QAM	23.98	24.02	24.23	23.84	23.60	24.50
	50	0	16QAM	23.04	23.06	23.16	22.83	22.63	23.50
		24	16QAM	22.90	23.00	23.23	22.88	22.72	23.50
		50	16QAM	23.02	23.00	23.15	22.82	22.61	23.50
	100	0	16QAM	23.04	23.08	23.22	22.83	22.69	23.50
20	1	0	64QAM	22.98	23.04	23.20	22.88	22.64	23.50
		49	64QAM	22.91	23.06	23.21	22.88	22.70	23.50
		99	64QAM	23.01	23.02	23.22	22.94	22.71	23.50
	50	0	64QAM	21.99	22.08	22.25	21.86	21.68	22.50
		24	64QAM	22.04	21.97	22.14	21.84	21.64	22.50
		50	64QAM	21.99	22.00	22.22	21.91	21.69	22.50
	100	0	64QAM	21.94	22.05	22.24	21.89	21.74	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	24.95	25.04	25.26	24.94	24.60	25.50
		37	QPSK	24.94	25.03	25.22	24.79	24.65	25.50
		74	QPSK	24.86	24.97	25.03	24.93	24.63	25.50
	36	0	QPSK	23.87	24.06	24.07	23.76	23.63	24.50
		20	QPSK	23.82	23.98	24.15	23.78	23.58	24.50
		39	QPSK	23.91	23.97	24.19	23.93	23.65	24.50
	75	0	QPSK	23.99	23.87	24.07	23.79	23.68	24.50
15	1	0	16QAM	23.83	23.97	24.20	23.75	23.51	24.50
		37	16QAM	23.91	23.91	24.08	23.75	23.64	24.50
		74	16QAM	23.90	23.87	24.15	23.80	23.52	24.50
	36	0	16QAM	22.97	22.95	23.15	22.80	22.50	23.50
		20	16QAM	22.83	22.97	23.21	22.84	22.66	23.50
		39	16QAM	22.92	22.88	23.01	22.73	22.46	23.50
	75	0	16QAM	22.98	23.02	23.19	22.69	22.61	23.50
15	1	0	64QAM	22.85	22.97	23.15	22.85	22.59	23.50
		37	64QAM	22.78	22.99	23.06	22.79	22.55	23.50
		74	64QAM	22.86	22.99	23.12	22.90	22.65	23.50
	36	0	64QAM	21.88	21.95	22.15	21.77	21.67	22.50
		20	64QAM	21.97	21.92	22.02	21.77	21.51	22.50
		39	64QAM	21.97	21.87	22.13	21.84	21.55	22.50
	75	0	64QAM	21.83	22.00	22.22	21.80	21.62	22.50

Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	1	0	QPSK	24.92	25.02	25.24	24.81	24.71	25.50
		25	QPSK	24.94	25.01	25.20	24.78	24.52	25.50
		49	QPSK	24.78	24.91	25.06	24.94	24.56	25.50
	25	0	QPSK	23.98	23.96	23.99	23.72	23.60	24.50
		12	QPSK	23.94	23.96	24.03	23.81	23.63	24.50
		25	QPSK	23.89	24.00	24.14	23.86	23.61	24.50
50	0	QPSK	23.95	23.92	24.13	23.77	23.58	24.50	
10	1	0	16QAM	23.79	23.97	24.13	23.75	23.48	24.50
		25	16QAM	23.80	24.00	24.16	23.70	23.57	24.50
		49	16QAM	23.83	23.97	24.13	23.79	23.50	24.50
	25	0	16QAM	22.99	22.99	23.04	22.77	22.60	23.50
		12	16QAM	22.76	22.87	23.16	22.80	22.59	23.50
		25	16QAM	22.89	22.85	23.09	22.76	22.58	23.50
50	0	16QAM	22.89	22.93	23.21	22.71	22.65	23.50	
10	1	0	64QAM	22.85	23.03	23.07	22.80	22.53	23.50
		25	64QAM	22.82	22.92	23.14	22.77	22.55	23.50
		49	64QAM	22.92	23.01	23.15	22.79	22.56	23.50
	25	0	64QAM	21.93	21.93	22.17	21.80	21.59	22.50
		12	64QAM	21.95	21.89	22.11	21.72	21.49	22.50
		25	64QAM	21.97	21.92	22.12	21.88	21.56	22.50
50	0	64QAM	21.87	22.03	22.16	21.83	21.73	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	25.01	24.95	25.21	24.83	24.71	25.50
		12	QPSK	24.91	24.97	25.21	24.76	24.60	25.50
		24	QPSK	24.82	24.92	25.10	24.90	24.64	25.50
	12	0	QPSK	23.94	24.00	24.12	23.76	23.52	24.50
		7	QPSK	23.84	23.92	24.16	23.89	23.68	24.50
		13	QPSK	23.95	23.99	24.18	23.90	23.67	24.50
25	0	QPSK	23.95	23.85	24.09	23.79	23.62	24.50	
5	1	0	16QAM	23.84	24.01	24.17	23.78	23.53	24.50
		12	16QAM	23.84	24.03	24.14	23.83	23.62	24.50
		24	16QAM	23.89	23.95	24.16	23.71	23.50	24.50
	12	0	16QAM	22.94	22.99	23.05	22.74	22.49	23.50
		7	16QAM	22.80	22.85	23.19	22.73	22.64	23.50
		13	16QAM	22.95	22.91	23.11	22.78	22.54	23.50
25	0	16QAM	23.02	23.00	23.13	22.75	22.56	23.50	
5	1	0	64QAM	22.87	22.97	23.06	22.85	22.52	23.50
		12	64QAM	22.80	22.98	23.12	22.81	22.67	23.50
		24	64QAM	22.97	22.87	23.20	22.92	22.69	23.50
	12	0	64QAM	21.89	22.04	22.23	21.74	21.65	22.50
		7	64QAM	22.01	21.94	22.03	21.76	21.61	22.50
		13	64QAM	21.93	21.87	22.07	21.84	21.64	22.50
25	0	64QAM	21.83	21.94	22.17	21.88	21.73	22.50	

8.2.14 LTE Band48 Output Power

LTE B48 Full Power ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	1	0	QPSK	24.24	24.69	24.94	24.86	24.83	25.50
		49	QPSK	24.12	24.62	24.79	24.79	24.68	25.50
		99	QPSK	24.19	24.54	24.87	24.74	24.71	25.50
	50	0	QPSK	23.20	23.59	23.85	23.74	23.82	24.50
		24	QPSK	23.19	23.62	23.90	23.82	23.73	24.50
		50	QPSK	23.18	23.63	23.91	23.78	23.77	24.50
	100	0	QPSK	23.19	23.67	23.87	23.81	23.72	24.50
20	1	0	16QAM	23.17	23.66	23.90	23.81	23.80	24.50
		49	16QAM	23.09	23.55	23.90	23.83	23.73	24.50
		99	16QAM	23.17	23.57	23.90	23.82	23.77	24.50
	50	0	16QAM	22.20	22.55	22.91	22.84	22.75	23.50
		24	16QAM	22.14	22.63	22.79	22.72	22.70	23.50
		50	16QAM	22.16	22.67	22.84	22.73	22.68	23.50
	100	0	16QAM	22.09	22.54	22.91	22.80	22.70	23.50
20	1	0	64QAM	22.22	22.60	22.93	22.85	22.73	23.50
		49	64QAM	22.10	22.67	22.90	22.71	22.75	23.50
		99	64QAM	22.09	22.58	22.84	22.82	22.69	23.50
	50	0	64QAM	21.21	21.59	21.85	21.73	21.78	22.50
		24	64QAM	21.17	21.65	21.83	21.81	21.68	22.50
		50	64QAM	21.14	21.63	21.79	21.82	21.70	22.50
	100	0	64QAM	21.19	21.56	21.79	21.73	21.72	22.50
Channel				55315	55820	55990	56160	56665	
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	1	0	QPSK	24.11	24.55	24.88	24.82	24.75	25.50
		37	QPSK	24.05	24.57	24.74	24.74	24.63	25.50
		74	QPSK	24.14	24.51	24.85	24.64	24.69	25.50
	36	0	QPSK	23.05	23.57	23.77	23.68	23.77	24.50
		20	QPSK	23.17	23.54	23.83	23.67	23.67	24.50
		39	QPSK	23.04	23.56	23.86	23.75	23.72	24.50
	75	0	QPSK	23.18	23.54	23.85	23.69	23.57	24.50
15	1	0	16QAM	23.16	23.64	23.87	23.76	23.74	24.50
		37	16QAM	22.94	23.48	23.77	23.75	23.71	24.50
		74	16QAM	23.08	23.45	23.76	23.74	23.70	24.50
	36	0	16QAM	22.09	22.50	22.83	22.70	22.71	23.50
		20	16QAM	22.00	22.62	22.66	22.68	22.65	23.50
		39	16QAM	22.01	22.59	22.79	22.68	22.63	23.50
	75	0	16QAM	22.08	22.49	22.90	22.74	22.56	23.50
15	1	0	64QAM	22.08	22.54	22.78	22.80	22.68	23.50
		37	64QAM	22.03	22.65	22.84	22.58	22.63	23.50
		74	64QAM	22.08	22.45	22.75	22.75	22.57	23.50
	36	0	64QAM	21.06	21.47	21.79	21.58	21.66	22.50
		20	64QAM	21.06	21.57	21.76	21.66	21.63	22.50
		39	64QAM	21.07	21.50	21.64	21.81	21.63	22.50
	75	0	64QAM	21.15	21.43	21.74	21.71	21.58	22.50

Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	1	0	QPSK	24.09	24.59	24.91	24.85	24.74	25.50
		25	QPSK	24.08	24.49	24.67	24.78	24.54	25.50
		49	QPSK	24.06	24.51	24.78	24.64	24.63	25.50
	25	0	QPSK	23.13	23.49	23.77	23.73	23.81	24.50
		12	QPSK	23.08	23.59	23.75	23.81	23.63	24.50
		25	QPSK	23.15	23.58	23.84	23.73	23.76	24.50
	50	0	QPSK	23.05	23.61	23.72	23.80	23.57	24.50
10	1	0	16QAM	23.11	23.54	23.87	23.78	23.70	24.50
		25	16QAM	22.96	23.48	23.86	23.77	23.71	24.50
		49	16QAM	23.03	23.49	23.89	23.76	23.75	24.50
	25	0	16QAM	22.10	22.44	22.77	22.77	22.67	23.50
		12	16QAM	22.05	22.52	22.72	22.57	22.56	23.50
		25	16QAM	22.07	22.52	22.72	22.61	22.53	23.50
	50	0	16QAM	22.07	22.41	22.87	22.76	22.64	23.50
10	1	0	64QAM	22.10	22.57	22.87	22.78	22.58	23.50
		25	64QAM	22.01	22.59	22.89	22.60	22.64	23.50
		49	64QAM	22.04	22.45	22.75	22.80	22.57	23.50
	25	0	64QAM	21.13	21.56	21.82	21.61	21.69	22.50
		12	64QAM	21.10	21.55	21.81	21.67	21.67	22.50
		25	64QAM	21.09	21.53	21.67	21.77	21.57	22.50
	50	0	64QAM	21.10	21.49	21.72	21.72	21.58	22.50
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	1	0	QPSK	24.18	24.62	24.84	24.82	24.82	25.50
		12	QPSK	24.02	24.56	24.68	24.71	24.63	25.50
		24	QPSK	24.17	24.50	24.75	24.66	24.64	25.50
	12	0	QPSK	23.08	23.53	23.84	23.65	23.73	24.50
		7	QPSK	23.18	23.54	23.84	23.78	23.71	24.50
		13	QPSK	23.13	23.57	23.82	23.71	23.71	24.50
	25	0	QPSK	23.06	23.52	23.81	23.77	23.68	24.50
5	1	0	16QAM	23.02	23.57	23.78	23.78	23.70	24.50
		12	16QAM	23.05	23.51	23.89	23.71	23.66	24.50
		24	16QAM	23.10	23.48	23.83	23.78	23.75	24.50
	12	0	16QAM	22.06	22.51	22.85	22.82	22.67	23.50
		7	16QAM	22.06	22.62	22.65	22.59	22.65	23.50
		13	16QAM	22.13	22.53	22.78	22.69	22.59	23.50
	25	0	16QAM	21.99	22.53	22.79	22.78	22.59	23.50
5	1	0	64QAM	22.16	22.51	22.91	22.82	22.71	23.50
		12	64QAM	22.02	22.63	22.88	22.67	22.73	23.50
		24	64QAM	22.02	22.57	22.73	22.78	22.68	23.50
	12	0	64QAM	21.09	21.44	21.71	21.66	21.71	22.50
		7	64QAM	21.14	21.63	21.78	21.68	21.53	22.50
		13	64QAM	21.03	21.52	21.72	21.76	21.57	22.50
	25	0	64QAM	21.09	21.52	21.75	21.67	21.67	22.50

8.4 Intra-Band Uplink CA Power

LTE Uplink CA Band 41 -Ant.5										
Full Power										
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	25.02	25.50
40620	40818	20	QPSK	1	0	1	99	2	25.18	25.50
41490	41292	20	QPSK	1	0	1	99	2	24.73	25.50

8.4.1 NR Band25 Output Power

N25-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				374000	376500	379000	
Frequency(MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.29	23.33	23.32	24.00
		1	108	23.05	23.15	23.01	24.00
		1	214	23.19	23.26	23.11	24.00
		108	0	22.58	22.65	22.55	23.50
		108	54	23.19	23.25	23.20	24.00
		108	108	22.76	22.79	22.70	23.50
		216	0	22.65	22.67	22.64	23.50
	QPSK	1	1	23.13	23.14	23.10	24.00
		1	108	23.06	23.20	23.07	24.00
		1	214	23.26	23.32	23.19	24.00
		108	0	22.07	22.15	22.14	23.00
		108	54	23.10	23.19	23.13	24.00
		108	108	22.31	22.33	22.18	23.00
		216	0	22.22	22.25	22.13	23.00
	16QAM	1	1	22.08	22.14	22.04	23.00
	64QAM	1	1	20.65	20.68	20.66	21.50
	256QAM	1	1	18.51	18.57	18.56	19.50
Channel				373000	376500	380000	Tune-up power(dBm)
Frequency(MHz)				1865	1882.5	1900	
30	QPSK	1	1	23.23	23.29	23.27	24.00
Channel				372500	376500	380500	Tune-up power(dBm)
Frequency(MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	23.14	23.20	23.21	24.00
Channel				372000	376500	381000	Tune-up power(dBm)
Frequency(MHz)				1860	1882.5	1905	
20	QPSK	1	1	23.27	23.24	23.31	24.00
Channel				371500	376500	381500	Tune-up power(dBm)
Frequency(MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	23.16	23.20	23.20	24.00
Channel				371000	376500	382000	Tune-up power(dBm)
Frequency(MHz)				1855	1882.5	1910	
10	QPSK	1	1	23.18	23.32	23.31	24.00
Channel				370500	376500	382500	Tune-up power(dBm)
Frequency(MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	23.21	23.28	23.31	24.00

N25-ANT1 (ENDC& UL MIMO)

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency(MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.29	23.33	23.32	24.00
		1	108	23.05	23.15	23.01	24.00
		1	214	23.19	23.26	23.11	24.00
		108	0	22.58	22.65	22.55	23.50
		108	54	23.19	23.25	23.20	24.00
		108	108	22.76	22.79	22.70	23.50
	QPSK	216	0	22.65	22.67	22.64	23.50
		1	1	23.13	23.14	23.10	24.00
		1	108	23.06	23.20	23.07	24.00
		1	214	23.26	23.32	23.19	24.00
		108	0	22.07	22.15	22.14	23.00
		108	54	23.10	23.19	23.13	24.00
		108	108	22.31	22.33	22.18	23.00
		216	0	22.22	22.25	22.13	23.00
	16QAM	1	1	22.08	22.14	22.04	23.00
	64QAM	1	1	20.65	20.68	20.66	21.50
	256QAM	1	1	18.51	18.57	18.56	19.50
Channel				373000	376500	16.13	Tune-up power(dBm)
Frequency(MHz)				1865	1882.5	1900	
30	QPSK	1	1	23.23	23.29	23.27	24.00
Channel				372500	376500	380500	Tune-up power(dBm)
Frequency(MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	23.14	23.20	23.21	24.00
Channel				372000	376500	381000	Tune-up power(dBm)
Frequency(MHz)				1860	1882.5	1905	
20	QPSK	1	1	23.27	23.24	23.31	24.00
Channel				371500	376500	381500	Tune-up power(dBm)
Frequency(MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	23.16	23.20	23.20	24.00
Channel				371000	376500	382000	Tune-up power(dBm)
Frequency(MHz)				1855	1882.5	1910	
10	QPSK	1	1	23.18	23.32	23.31	24.00
Channel				370500	376500	382500	Tune-up power(dBm)
Frequency(MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	23.21	23.28	23.31	24.00

8.4.1 NR Band25 Output Power

N25-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				374000	376500	379000	
Frequency(MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.72	23.78	23.56	24.50
		1	108	23.70	23.77	23.53	24.50
		1	214	23.68	23.73	23.51	24.50
		108	0	22.94	23.18	22.84	24.00
		108	54	23.71	23.76	23.63	24.50
		108	108	22.95	23.39	22.89	24.00
		216	0	22.92	22.99	22.88	24.00
	QPSK	1	1	23.70	23.75	23.57	24.50
		1	108	23.68	23.72	23.59	24.50
		1	214	23.71	23.74	23.58	24.50
		108	0	22.76	22.79	22.61	23.50
		108	54	23.63	23.68	23.60	24.50
		108	108	22.61	22.66	22.56	23.50
		216	0	22.67	22.72	22.53	23.50
	16QAM	1	1	22.71	22.74	22.57	23.50
	64QAM	1	1	21.29	21.34	21.12	22.00
	256QAM	1	1	19.19	19.22	19.07	20.00
Channel				373000	376500	380000	Tune-up power(dBm)
Frequency(MHz)				1865	1882.5	1900	
30	QPSK	1	1	23.64	23.68	23.54	24.50
Channel				372500	376500	380500	Tune-up power(dBm)
Frequency(MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	23.61	23.64	23.46	24.50
Channel				372000	376500	381000	Tune-up power(dBm)
Frequency(MHz)				1860	1882.5	1905	
20	QPSK	1	1	23.60	23.73	23.51	24.50
Channel				371500	376500	381500	Tune-up power(dBm)
Frequency(MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	23.59	23.75	23.49	24.50
Channel				371000	376500	382000	Tune-up power(dBm)
Frequency(MHz)				1855	1882.5	1910	
10	QPSK	1	1	23.66	23.77	23.48	24.50
Channel				370500	376500	382500	Tune-up power(dBm)
Frequency(MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	23.57	23.70	23.41	24.50

N25-ANT5 (UL MIMO)

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency(MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.72	23.78	23.56	24.50
		1	108	23.70	23.77	23.53	24.50
		1	214	23.68	23.73	23.51	24.50
		108	0	22.94	23.18	22.84	24.00
		108	54	23.71	23.76	23.63	24.50
		108	108	22.95	23.39	22.89	24.00
	QPSK	216	0	22.92	22.99	22.88	24.00
		1	1	23.70	23.75	23.57	24.50
		1	108	23.68	23.72	23.59	24.50
		1	214	23.71	23.74	23.58	24.50
		108	0	22.76	22.79	22.61	23.50
		108	54	23.63	23.68	23.60	24.50
		108	108	22.61	22.66	22.56	23.50
		216	0	22.67	22.72	22.53	23.50
	16QAM	1	1	22.71	22.74	22.57	23.50
	64QAM	1	1	21.29	21.34	21.12	22.00
	256QAM	1	1	19.19	19.22	19.07	20.00
Channel				373000	376500	380000	Tune-up power(dBm)
Frequency(MHz)				1865	1882.5	1900	
30	QPSK	1	1	23.64	23.68	23.54	24.50
Channel				372500	376500	380500	Tune-up power(dBm)
Frequency(MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	23.61	23.64	23.46	24.50
Channel				372000	376500	381000	Tune-up power(dBm)
Frequency(MHz)				1860	1882.5	1905	
20	QPSK	1	1	23.60	23.73	23.51	24.50
Channel				371500	376500	381500	Tune-up power(dBm)
Frequency(MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	23.59	23.75	23.49	24.50
Channel				371000	376500	382000	Tune-up power(dBm)
Frequency(MHz)				1855	1882.5	1910	
10	QPSK	1	1	23.66	23.77	23.48	24.50
Channel				370500	376500	382500	Tune-up power(dBm)
Frequency(MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	23.57	23.70	23.41	24.50

8.4.2 NR Ban66 Output Power

N66-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				346000	349000	352000	
Frequency(MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.37	23.47	23.46	24.50
		1	108	23.16	23.30	23.20	24.50
		1	214	23.22	23.33	23.18	24.50
		108	0	22.76	22.89	22.81	24.00
		108	54	23.43	23.45	23.36	24.50
		108	108	22.92	23.00	22.89	24.00
		216	0	22.93	23.03	22.88	24.00
	QPSK	1	1	23.35	23.40	23.36	24.50
		1	108	23.41	23.42	23.37	24.50
		1	214	23.28	23.38	23.31	24.50
		108	0	22.37	22.45	22.35	23.50
		108	54	23.38	23.43	23.32	24.50
		108	108	22.42	22.47	22.35	23.50
		216	0	22.49	22.54	22.40	23.50
	16QAM	1	1	22.36	22.46	22.41	23.50
	64QAM	1	1	20.84	20.89	20.80	22.00
	256QAM	1	1	18.78	18.90	18.82	20.00
Channel				345500	349000	352500	Tune-up power(dBm)
Frequency(MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	23.33	23.44	23.38	24.50
Channel				345000	349000	353000	Tune-up power(dBm)
Frequency(MHz)				1725	1745	1765	
30	QPSK	1	1	23.36	23.36	23.45	24.50
Channel				344500	349000	353500	Tune-up power(dBm)
Frequency(MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	23.35	23.36	23.41	24.50
Channel				344000	349000	354000	Tune-up power(dBm)
Frequency(MHz)				1720	1745	1770	
20	QPSK	1	1	23.31	23.37	23.35	24.50
Channel				343500	349000	354500	Tune-up power(dBm)
Frequency(MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	23.24	23.44	23.42	24.50
Channel				343000	349000	355000	Tune-up power(dBm)
Frequency(MHz)				1715	1745	1775	
10	QPSK	1	1	23.35	23.40	23.44	24.50
Channel				342500	349000	355500	Tune-up power(dBm)
Frequency(MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.36	23.34	23.38	24.50

N66-ANT1 (ENDC& UL MIMO)

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency(MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.37	23.47	23.46	24.50
		1	108	23.16	23.30	23.20	24.50
		1	214	23.22	23.33	23.18	24.50
		108	0	22.76	22.89	22.81	24.00
		108	54	23.43	23.45	23.36	24.50
		108	108	22.92	23.00	22.89	24.00
		216	0	22.93	23.03	22.88	24.00
	QPSK	1	1	23.35	23.40	23.36	24.50
		1	108	23.41	23.42	23.37	24.50
		1	214	23.28	23.38	23.31	24.50
		108	0	22.37	22.45	22.35	23.50
		108	54	23.38	23.43	23.32	24.50
		108	108	22.42	22.47	22.35	23.50
		216	0	22.49	22.54	22.40	23.50
	16QAM	1	1	22.36	22.46	22.41	23.50
	64QAM	1	1	20.84	20.89	20.80	22.00
	256QAM	1	1	18.78	18.90	18.82	20.00
Channel				345500	349000	352500	Tune-up power(dBm)
Frequency(MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	23.33	23.44	23.38	24.50
Channel				345000	349000	353000	Tune-up power(dBm)
Frequency(MHz)				1725	1745	1765	
30	QPSK	1	1	23.36	23.36	23.45	24.50
Channel				344500	349000	353500	Tune-up power(dBm)
Frequency(MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	23.35	23.36	23.41	24.50
Channel				344000	349000	354000	Tune-up power(dBm)
Frequency(MHz)				1720	1745	1770	
20	QPSK	1	1	23.31	23.37	23.35	24.50
Channel				343500	349000	354500	Tune-up power(dBm)
Frequency(MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	23.24	23.44	23.42	24.50
Channel				343000	349000	355000	Tune-up power(dBm)
Frequency(MHz)				1715	1745	1775	
10	QPSK	1	1	23.35	23.40	23.44	24.50
Channel				342500	349000	355500	Tune-up power(dBm)
Frequency(MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.36	23.34	23.38	24.50

8.4.2 NR Ban66 Output Power

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	
Frequency(MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.68	22.87	22.82	23.50
		1	108	22.71	22.82	22.77	23.50
		1	214	22.75	22.86	22.81	23.50
		108	0	22.32	22.58	22.51	23.00
		108	54	22.51	22.65	22.65	23.50
		108	108	22.42	22.59	22.55	23.00
		216	0	22.86	22.47	22.43	23.00
	QPSK	1	1	22.69	22.86	22.81	23.50
		1	108	22.72	22.83	22.78	23.50
		1	214	22.70	22.80	22.75	23.50
		108	0	22.18	22.62	22.57	23.50
		108	54	22.82	22.27	22.22	23.50
		108	108	22.39	22.59	22.54	23.50
		216	0	22.34	22.61	22.56	23.50
	16QAM	1	1	22.36	22.40	22.35	22.50
	64QAM	1	1	20.36	20.98	20.93	21.00
	256QAM	1	1	19.08	18.89	18.84	19.50
Channel				345500	349000	352500	Tune-up power(dBm)
Frequency(MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	22.71	22.86	22.84	23.50
Channel				345000	349000	353000	Tune-up power(dBm)
Frequency(MHz)				1725	1745	1765	
30	QPSK	1	1	22.64	22.84	22.80	23.50
Channel				344500	349000	353500	Tune-up power(dBm)
Frequency(MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	22.65	22.82	22.76	23.50
Channel				344000	349000	354000	Tune-up power(dBm)
Frequency(MHz)				1720	1745	1770	
20	QPSK	1	1	22.70	22.85	22.75	23.50
Channel				343500	349000	354500	Tune-up power(dBm)
Frequency(MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	22.62	22.87	22.84	23.50
Channel				343000	349000	355000	Tune-up power(dBm)
Frequency(MHz)				1715	1745	1775	
10	QPSK	1	1	22.58	22.81	22.79	23.50
Channel				342500	349000	355500	Tune-up power(dBm)
Frequency(MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	22.66	22.83	22.78	23.50

N66-ANT5 (UL MIMO)

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency(MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.68	22.87	22.82	23.50
		1	108	22.71	22.82	22.77	23.50
		1	214	22.75	22.86	22.81	23.50
		108	0	22.32	22.58	22.51	23.00
		108	54	22.51	22.65	22.65	23.50
		108	108	22.42	22.59	22.55	23.00
		216	0	22.86	22.47	22.43	23.00
	QPSK	1	1	22.69	22.86	22.81	23.50
		1	108	22.72	22.83	22.78	23.50
		1	214	22.70	22.80	22.75	23.50
		108	0	22.18	22.62	22.57	23.50
		108	54	22.82	22.27	22.22	23.50
		108	108	22.39	22.59	22.54	23.50
		216	0	22.34	22.61	22.56	23.50
	16QAM	1	1	22.36	22.40	22.35	22.50
	64QAM	1	1	20.36	20.98	20.93	21.00
	256QAM	1	1	19.08	18.89	18.84	19.50
Channel				345500	349000	352500	Tune-up power(dBm)
Frequency(MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	22.71	22.86	22.84	23.50
Channel				345000	349000	353000	Tune-up power(dBm)
Frequency(MHz)				1725	1745	1765	
30	QPSK	1	1	22.64	22.84	22.80	23.50
Channel				344500	349000	353500	Tune-up power(dBm)
Frequency(MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	22.65	22.82	22.76	23.50
Channel				344000	349000	354000	Tune-up power(dBm)
Frequency(MHz)				1720	1745	1770	
20	QPSK	1	1	22.70	22.85	22.75	23.50
Channel				343500	349000	354500	Tune-up power(dBm)
Frequency(MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	22.62	22.87	22.84	23.50
Channel				343000	349000	355000	Tune-up power(dBm)
Frequency(MHz)				1715	1745	1775	
10	QPSK	1	1	22.58	22.81	22.79	23.50
Channel				342500	349000	355500	Tune-up power(dBm)
Frequency(MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	22.66	22.83	22.78	23.50

8.4.3 NR Band71 Output Power

N71-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				134600	136100	137600	
Frequency(MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.21	23.25	23.18	24.00
		1	53	23.16	23.22	23.14	24.00
		1	104	23.14	23.21	23.11	24.00
		50	0	22.72	22.79	22.68	23.50
		50	28	23.15	23.21	23.11	24.00
		50	56	22.68	22.74	22.63	23.50
		100	0	22.63	22.73	22.64	23.50
	QPSK	1	1	23.13	23.17	23.13	24.00
		1	53	23.12	23.21	23.12	24.00
		1	104	23.19	23.19	23.17	24.00
		50	0	22.27	22.35	22.16	23.00
		50	28	23.17	23.15	23.17	24.00
		50	56	22.23	22.30	22.06	23.00
		100	0	22.23	22.25	22.13	23.00
	16QAM	1	1	22.26	22.32	22.14	23.00
	64QAM	1	1	20.65	20.71	20.61	21.50
	256QAM	1	1	18.74	18.76	18.72	19.50
Channel				134100	136100	138100	Tune-up power(dBm)
Frequency(MHz)				670.5	680.5	690.5	
15	QPSK	1	1	23.17	23.22	23.08	24.00
Channel				133600	136100	138600	Tune-up power(dBm)
Frequency(MHz)				668	680.5	693	
10	QPSK	1	1	23.17	23.20	23.11	24.00
Channel				133100	136100	139100	Tune-up power(dBm)
Frequency(MHz)				665.5	680.5	695.5	
5	QPSK	1	1	23.14	23.18	23.12	24.00

N71-ANT1 (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				134600	136100	137600	
Frequency(MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.21	23.25	23.18	24.00
		1	53	23.16	23.22	23.14	24.00
		1	104	23.14	23.21	23.11	24.00
		50	0	22.72	22.79	22.68	23.50
		50	28	23.15	23.21	23.11	24.00
		50	56	22.68	22.74	22.63	23.50
		100	0	22.63	22.73	22.64	23.50
	QPSK	1	1	23.13	23.17	23.13	24.00
		1	53	23.12	23.21	23.12	24.00
		1	104	23.19	23.19	23.17	24.00
		50	0	22.27	22.35	22.16	23.00
		50	28	23.17	23.15	23.17	24.00
		50	56	22.23	22.30	22.06	23.00
		100	0	22.23	22.25	22.13	23.00
	16QAM	1	1	22.26	22.32	22.14	23.00
	64QAM	1	1	20.65	20.71	20.61	21.50
	256QAM	1	1	18.74	18.76	18.72	19.50
Channel				134100	136100	138100	Tune-up power(dBm)
Frequency(MHz)				670.5	680.5	690.5	
15	QPSK	1	1	23.17	23.22	23.08	24.00
Channel				133600	136100	138600	Tune-up power(dBm)
Frequency(MHz)				668	680.5	693	
10	QPSK	1	1	23.17	23.20	23.11	24.00
Channel				133100	136100	139100	Tune-up power(dBm)
Frequency(MHz)				665.5	680.5	695.5	
5	QPSK	1	1	23.14	23.18	23.12	24.00

8.4.4 NR Band41 Output Power

N41-ANT1 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	25.90	25.98	25.97	26.50
		1	137	25.86	25.94	25.83	26.50
		1	271	25.83	25.95	25.80	26.50
		135	0	25.30	25.42	25.35	26.00
		135	69	25.80	25.85	25.84	26.50
		135	138	24.74	24.78	24.69	25.50
		270	0	25.33	25.41	25.40	25.50
	QPSK	1	1	25.75	25.90	25.80	26.00
		1	137	25.83	25.93	25.87	26.00
		1	271	25.74	25.88	25.82	26.00
		135	0	24.77	24.89	24.83	25.00
		135	69	25.82	25.86	25.84	26.00
		135	138	24.39	24.69	24.45	25.00
		270	0	24.77	24.86	24.77	25.00
	16QAM	1	1	24.77	24.90	24.84	25.00
	64QAM	1	1	23.29	23.41	23.30	23.50
	256QAM	1	1	21.42	21.45	21.33	21.50
Channel				508200	518598	528996	Tune-up power(dBm)
Frequency(MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	25.81	25.93	25.96	26.50
Channel				507204	518598	529998	Tune-up power(dBm)
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	25.77	25.93	25.93	26.50
Channel				506202	518598	531000	Tune-up power(dBm)
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	25.77	25.90	25.83	26.50
Channel				505200	518598	531996	Tune-up power(dBm)
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	25.77	25.95	25.91	26.50
Channel				504204	518598	532998	Tune-up power(dBm)
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	25.85	25.96	25.88	26.50
Channel				503202	518598	534000	Tune-up power(dBm)
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	25.81	25.85	25.92	26.50
Channel				502200	518598	534996	Tune-up power(dBm)
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	25.80	25.87	25.86	26.50
Channel				501204	518598	535998	Tune-up power(dBm)
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	25.78	25.95	25.89	26.50
Channel				500202	518598	537000	Tune-up power(dBm)
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	25.80	25.94	25.83	26.50

N41-ANT1 (ENDC& UL MIMO)

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	24.75	25.09	25.07	25.50
		1	137	24.95	24.87	25.01	25.50
		1	271	24.76	24.90	24.98	25.50
		135	0	24.49	24.35	24.31	25.00
		135	69	24.86	24.88	24.78	25.50
		135	138	23.64	23.67	23.79	24.50
		270	0	24.39	24.23	24.54	25.00
	QPSK	1	1	24.62	24.85	24.64	25.00
		1	137	24.98	25.06	24.76	25.50
		1	271	24.85	24.90	24.73	25.00
		135	0	23.84	24.07	23.97	24.50
		135	69	24.79	24.78	24.94	25.00
		135	138	23.44	23.68	23.36	24.00
		270	0	23.59	23.80	23.77	24.00
	16QAM	1	1	23.68	23.98	23.91	24.00
	64QAM	1	1	22.14	22.25	22.21	22.50
	256QAM	1	1	20.31	20.44	20.44	20.50
Channel				508200	518598	528996	Tune-up power(dBm)
Frequency(MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	24.95	25.04	24.99	25.50
Channel				507204	518598	529998	Tune-up power(dBm)
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	24.72	24.84	25.04	25.50
Channel				506202	518598	531000	Tune-up power(dBm)
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	24.61	25.06	24.87	25.50
Channel				505200	518598	531996	Tune-up power(dBm)
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	24.79	24.75	25.01	25.50
Channel				504204	518598	532998	Tune-up power(dBm)
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	24.65	24.96	25.00	25.50
Channel				503202	518598	534000	Tune-up power(dBm)
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	24.93	25.03	24.97	25.50
Channel				502200	518598	534996	Tune-up power(dBm)
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	24.77	24.92	24.94	25.50
Channel				501204	518598	535998	Tune-up power(dBm)
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	24.83	24.97	24.97	25.50
Channel				500202	518598	537000	Tune-up power(dBm)
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	24.78	24.88	24.93	25.50

8.4.4 NR Band41 Output Power

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	Tune-up power(dBm)
Frequency(MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.59	24.83	24.81	25.50
		1	137	24.55	24.80	24.79	25.50
		1	271	24.75	24.77	24.75	25.50
		135	0	24.09	24.20	24.16	25.00
		135	69	24.56	24.75	24.73	25.50
		135	138	24.04	24.16	24.15	25.00
		270	0	24.05	24.17	24.14	25.00
	QPSK	1	1	24.50	24.79	24.75	25.50
		1	137	24.49	24.76	24.74	25.50
		1	271	24.47	24.73	24.70	25.50
		135	0	23.54	23.70	23.66	24.50
		135	69	24.55	24.81	24.77	25.50
		135	138	23.49	23.70	23.64	24.50
		270	0	23.51	23.66	23.63	24.50
	16QAM	1	1	23.46	23.68	23.65	24.50
	64QAM	1	1	22.10	22.28	22.23	23.00
	256QAM	1	1	20.14	20.30	20.26	21.00
Channel				508200	518598	528996	Tune-up power(dBm)
Frequency(MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	24.47	24.80	24.76	25.50
Channel				507204	518598	529998	Tune-up power(dBm)
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	24.46	24.82	24.79	25.50
Channel				506202	518598	531000	Tune-up power(dBm)
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	24.44	24.73	24.67	25.50
Channel				505200	518598	531996	Tune-up power(dBm)
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	24.46	24.81	24.76	25.50
Channel				504204	518598	532998	Tune-up power(dBm)
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	24.51	24.69	24.77	25.50
Channel				503202	518598	534000	Tune-up power(dBm)
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	24.53	24.71	24.80	25.50
Channel				502200	518598	534996	Tune-up power(dBm)
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	24.49	24.70	24.77	25.50
Channel				501204	518598	535998	Tune-up power(dBm)
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	24.52	24.68	24.67	25.50
Channel				500202	518598	537000	Tune-up power(dBm)
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	24.53	24.78	24.79	25.50

N41-ANT5 (UL MIMO)

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	23.43	23.74	23.65	24.00
		1	137	23.46	23.70	23.69	24.00
		1	271	23.71	23.43	23.47	24.00
		135	0	22.77	22.95	22.82	23.50
		135	69	23.47	23.59	23.39	24.00
		135	138	22.69	23.07	22.77	23.50
		270	0	23.01	22.93	22.80	23.50
	QPSK	1	1	23.33	23.69	23.69	24.00
		1	137	23.27	23.46	23.51	24.00
		1	271	23.36	23.68	23.42	24.00
		135	0	22.29	22.53	22.49	23.00
		135	69	23.49	23.54	23.67	24.00
		135	138	22.45	22.33	22.33	23.00
		270	0	22.18	22.38	22.58	23.00
	16QAM	1	1	22.20	22.46	22.60	23.00
	64QAM	1	1	20.77	20.89	21.13	21.50
	256QAM	1	1	18.99	19.29	18.86	19.50
Channel				508200	518598	528996	Tune-up power(dBm)
Frequency(MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	23.46	23.30	23.70	24.00
Channel				507204	518598	529998	Tune-up power(dBm)
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	23.40	23.66	23.73	24.00
Channel				506202	518598	531000	Tune-up power(dBm)
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	23.44	23.37	23.65	24.00
Channel				505200	518598	531996	Tune-up power(dBm)
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	23.48	23.75	23.73	24.00
Channel				504204	518598	532998	Tune-up power(dBm)
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	23.44	23.66	23.38	24.00
Channel				503202	518598	534000	Tune-up power(dBm)
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	23.49	23.56	23.45	24.00
Channel				502200	518598	534996	Tune-up power(dBm)
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	23.33	23.32	23.54	24.00
Channel				501204	518598	535998	Tune-up power(dBm)
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	23.37	23.39	23.42	24.00
Channel				500202	518598	537000	Tune-up power(dBm)
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	23.49	23.65	23.37	24.00

8.4.5 NR Band48 Output Power

N48-ANT1 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				638000	641666	645332	Tune-up power(dBm)
Frequency(MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.64	22.05	22.01	23.00
		1	53	21.57	22.03	21.97	23.00
		1	104	21.53	21.97	21.95	23.00
		50	0	21.32	21.65	21.62	22.50
		50	28	21.52	21.95	21.87	23.00
		50	56	21.29	21.63	21.58	22.50
		100	0	21.27	21.58	21.55	22.50
	QPSK	1	1	21.63	22.02	21.96	23.00
		1	53	21.60	21.96	21.92	23.00
		1	104	21.54	21.94	21.85	23.00
		50	0	20.84	21.12	21.08	22.00
		50	28	21.51	22.01	21.93	23.00
		50	56	20.71	21.08	21.02	22.00
		100	0	20.69	21.05	21.01	22.00
	16QAM	1	1	20.78	21.96	21.86	22.00
	64QAM	1	1	19.21	19.46	19.43	20.50
	256QAM	1	1	17.31	17.49	17.42	18.50
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	21.54	22.03	21.90	23.00
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	21.63	21.90	21.88	23.00
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	21.49	22.04	21.98	23.00
Channel				636834	641666	646500	Tune-up power(dBm)
Frequency(MHz)				3552.51	3624.99	3697.5	
5	QPSK	1	1	21.55	22.04	21.92	23.00

N48-ANT1 (UL MIMO)

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				638000	641666	645332	Tune-up power(dBm)
Frequency(MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.64	22.05	22.01	23.00
		1	53	21.57	22.03	21.97	23.00
		1	104	21.53	21.97	21.95	23.00
		50	0	21.32	21.65	21.62	22.50
		50	28	21.52	21.95	21.87	23.00
		50	56	21.29	21.63	21.58	22.50
		100	0	21.27	21.58	21.55	22.50
	QPSK	1	1	21.63	22.02	21.96	23.00
		1	53	21.60	21.96	21.92	23.00
		1	104	21.54	21.94	21.85	23.00
		50	0	20.84	21.12	21.08	22.00
		50	28	21.51	22.01	21.93	23.00
		50	56	20.71	21.08	21.02	22.00
		100	0	20.69	21.05	21.01	22.00
	16QAM	1	1	20.78	21.96	21.86	22.00
	64QAM	1	1	19.21	19.46	19.43	20.50
	256QAM	1	1	17.31	17.49	17.42	18.50
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	21.54	22.03	21.90	23.00
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	21.63	21.90	21.88	23.00
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	21.49	22.04	21.98	23.00
Channel				636834	641666	646500	Tune-up power(dBm)
Frequency(MHz)				3552.51	3624.99	3697.5	
5	QPSK	1	1	21.55	22.04	21.92	23.00

8.4.5 NR Band48 Output Power

N48-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				638000	641666	645332	
Frequency(MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	22.88	22.95	22.76	24.00
		1	53	22.86	22.88	22.74	24.00
		1	104	22.82	22.87	22.71	24.00
		50	0	22.27	22.32	22.15	23.50
		50	28	22.83	22.85	22.73	24.00
		50	56	22.25	22.31	22.13	23.50
		100	0	22.23	22.28	22.11	23.50
	QPSK	1	1	22.84	22.90	22.75	24.00
		1	53	22.77	22.92	22.71	24.00
		1	104	22.82	22.91	22.68	24.00
		50	0	21.78	21.83	21.67	23.00
		50	28	22.76	22.89	22.72	24.00
		50	56	21.75	21.82	21.65	23.00
		100	0	21.74	21.78	21.67	23.00
	16QAM	1	1	21.85	21.88	21.63	23.00
	64QAM	1	1	20.32	20.36	20.18	21.50
	256QAM	1	1	18.33	18.37	18.21	19.50
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	22.73	22.80	22.68	24.00
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	22.75	22.84	22.61	24.00
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	22.78	22.92	22.71	24.00
Channel				636834	641666	646500	Tune-up power(dBm)
Frequency(MHz)				3552.51	3624.99	3697.5	
5	QPSK	1	1	22.78	22.82	22.63	24.00

N48-ANT5 (UL MIMO)

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				638000	641666	645332	)
Frequency(MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	22.88	22.95	22.76	24.00
		1	53	22.86	22.88	22.74	24.00
		1	104	22.82	22.87	22.71	24.00
		50	0	22.27	22.32	22.15	23.50
		50	28	22.83	22.85	22.73	24.00
		50	56	22.25	22.31	22.13	23.50
		100	0	22.23	22.28	22.11	23.50
	QPSK	1	1	22.84	22.90	22.75	24.00
		1	53	22.77	22.92	22.71	24.00
		1	104	22.82	22.91	22.68	24.00
		50	0	21.78	21.83	21.67	23.00
		50	28	22.76	22.89	22.72	24.00
		50	56	21.75	21.82	21.65	23.00
		100	0	21.74	21.78	21.67	23.00
	16QAM	1	1	21.85	21.88	21.63	23.00
	64QAM	1	1	20.32	20.36	20.18	21.50
	256QAM	1	1	18.33	18.37	18.21	19.50
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	22.73	22.80	22.68	24.00
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	22.75	22.84	22.61	24.00
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	22.78	22.92	22.71	24.00
Channel				636834	641666	646500	Tune-up power(dBm)
Frequency(MHz)				3552.51	3624.99	3697.5	
5	QPSK	1	1	22.78	22.82	22.63	24.00

8.4.6 NR Band77 Output Power

N77(3450-3550MHz)-ANT1 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	DFT-s-OFDM BPSK	1	1		25.81		26.50
		1	137		25.74		26.50
		1	271		25.58		26.50
		135	0		25.45		26.00
		135	69		25.64		26.50
		135	138		24.78		26.00
		270	0		25.43		26.00
	DFT-s-OFDM QPSK	1	1		25.78		26.50
		1	137		25.71		26.50
		1	271		25.49		26.50
		135	0		24.87		25.50
		135	69		25.55		26.50
		135	138		24.89		25.50
		270	0		24.92		25.50
	DFT-s-OFDM 16QAM	1	1		25.43		26.00
	DFT-s-OFDM 64QAM	1	1		24.91		25.50
	DFT-s-OFDM 256QAM	1	1		23.45		24.00
Bandwidth (MHz)	Modulation	Channel		633000	633332	633666	Tune-up power(dBm)
		Frequency(MHz)		3495	3499.98	3504.99	
90	DFT-s-OFDM BPSK	1	1	25.75	25.78	25.71	26.50
Bandwidth (MHz)	Modulation	Channel		632668	633332	634000	Tune-up power(dBm)
		Frequency(MHz)		3490.02	3499.98	3510	
80	DFT-s-OFDM BPSK	1	1	25.72	25.69	25.57	26.50
Bandwidth (MHz)	Modulation	Channel		632334	633332	634332	Tune-up power(dBm)
		Frequency(MHz)		3485.01	3499.98	3514.98	
70	DFT-s-OFDM BPSK	1	1	25.73	25.70	25.56	26.50
Bandwidth (MHz)	Modulation	Channel		632000	633332	634666	Tune-up power(dBm)
		Frequency(MHz)		3480	3499.98	3519.99	
60	DFT-s-OFDM BPSK	1	1	25.72	25.70	25.60	26.50
Bandwidth (MHz)	Modulation	Channel		631668	633332	635000	Tune-up power(dBm)
		Frequency(MHz)		3475.02	3499.98	3525	
50	DFT-s-OFDM BPSK	1	1	25.65	25.74	25.65	26.50
Bandwidth (MHz)	Modulation	Channel		631334	633332	635332	Tune-up power(dBm)
		Frequency(MHz)		3470.01	3499.98	3529.98	
40	DFT-s-OFDM BPSK	1	1	25.73	25.70	25.62	26.50
Bandwidth (MHz)	Modulation	Channel		631000	633332	635666	Tune-up power(dBm)
		Frequency(MHz)		3465	3499.98	3534.99	
30	DFT-s-OFDM BPSK	1	1	25.72	25.67	25.69	26.50
Bandwidth (MHz)	Modulation	Channel		630834	633332	635832	Tune-up power(dBm)
		Frequency(MHz)		3462.51	3499.98	3537.48	
25	DFT-s-OFDM BPSK	1	1	25.61	25.69	25.68	26.50
Bandwidth (MHz)	Modulation	Channel		630668	633332	636000	Tune-up power(dBm)
		Frequency(MHz)		3460.02	3499.98	3540	
20	DFT-s-OFDM BPSK	1	1	25.73	25.76	25.68	26.50
Bandwidth (MHz)	Modulation	Channel		630500	633332	636166	Tune-up power(dBm)
		Frequency(MHz)		3457.5	3499.98	3542.49	
15	DFT-s-OFDM BPSK	1	1	25.63	25.71	25.70	26.50
Bandwidth (MHz)	Modulation	Channel		630334	633332	636332	Tune-up power(dBm)
		Frequency(MHz)		3455.01	3499.98	3544.98	
10	DFT-s-OFDM BPSK	1	1	25.61	25.63	25.69	26.50

N77(3700-3980MHz)-ANT1 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	DFT-s-OFDM BPSK	1	1	25.34	25.41	25.32	26.50
		1	137	25.19	25.25	25.16	26.50
		1	271	25.10	25.19	25.07	26.50
		135	0	25.12	25.23	25.15	26.50
		135	69	25.20	25.24	25.16	26.50
		135	138	24.70	24.77	24.70	26.50
	DFT-s-OFDM QPSK	270	0	24.73	24.76	24.73	26.50
		1	1	25.34	25.35	25.29	26.50
		1	137	25.27	25.41	25.27	26.50
		1	271	24.94	25.08	24.99	26.50
		135	0	25.36	25.38	25.37	26.50
		135	69	25.24	25.26	25.13	26.50
		135	138	24.73	24.79	24.68	26.50
		270	0	24.64	24.72	24.63	26.50
	DFT-s-OFDM 16QAM	1	1	25.35	25.37	25.34	26.50
	DFT-s-OFDM 64QAM	1	1	24.78	24.79	24.71	26.50
	DFT-s-OFDM 256QAM	1	1	22.88	22.89	22.83	24.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		Frequency(MHz)		3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	25.27	25.38	25.28	26.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		Frequency(MHz)		3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	25.26	25.36	25.28	26.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		Frequency(MHz)		3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	25.31	25.29	25.31	26.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		Frequency(MHz)		3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	25.19	25.33	25.19	26.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		Frequency(MHz)		3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	25.23	25.29	25.30	26.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		Frequency(MHz)		3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	25.24	25.40	25.29	26.50
Bandwidth (MHz)	Modulation	Channel		647668	656000	664332	Tune-up power(dBm)
		Frequency(MHz)		3715.02	3840	3964.98	
30	DFT-s-OFDM BPSK	1	1	25.27	25.26	25.17	26.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		Frequency(MHz)		3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	25.28	25.34	25.20	26.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		Frequency(MHz)		3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	25.23	25.40	25.25	26.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dBm)
		Frequency(MHz)		3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	25.33	25.32	25.21	26.50
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		Frequency(MHz)		3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	25.32	25.38	25.19	26.50

8.4.6 NR Band77 Output Power

N77(3450-3550MHz)-ANT1 (UL MIMO)							
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	DFT-s-OFDM BPSK	1	1		25.81		26.50
		1	137		25.74		26.50
		1	271		25.58		26.50
		135	0		25.45		26.00
		135	69		25.64		26.50
		135	138		24.78		26.00
		270	0		25.43		26.00
	DFT-s-OFDM QPSK	1	1		25.78		26.50
		1	137		25.71		26.50
		1	271		25.49		26.50
		135	0		24.87		25.50
		135	69		25.55		26.50
		135	138		24.89		25.50
		270	0		24.92		25.50
	DFT-s-OFDM 16QAM	1	1		25.43		26.00
	DFT-s-OFDM 64QAM	1	1		24.91		25.50
	DFT-s-OFDM 256QAM	1	1		23.45		24.00
Bandwidth (MHz)	Modulation	Channel		633000	633332	633666	Tune-up power(dBm)
		Frequency(MHz)		3495	3499.98	3504.99	
90	DFT-s-OFDM BPSK	1	1	25.75	25.78	25.71	26.50
Bandwidth (MHz)	Modulation	Channel		632668	633332	634000	Tune-up power(dBm)
		Frequency(MHz)		3490.02	3499.98	3510	
80	DFT-s-OFDM BPSK	1	1	25.72	25.69	25.57	26.50
Bandwidth (MHz)	Modulation	Channel		632334	633332	634332	Tune-up power(dBm)
		Frequency(MHz)		3485.01	3499.98	3514.98	
70	DFT-s-OFDM BPSK	1	1	25.73	25.70	25.56	26.50
Bandwidth (MHz)	Modulation	Channel		632000	633332	634666	Tune-up power(dBm)
		Frequency(MHz)		3480	3499.98	3519.99	
60	DFT-s-OFDM BPSK	1	1	25.72	25.70	25.60	26.50
Bandwidth (MHz)	Modulation	Channel		631668	633332	635000	Tune-up power(dBm)
		Frequency(MHz)		3475.02	3499.98	3525	
50	DFT-s-OFDM BPSK	1	1	25.65	25.74	25.65	26.50
Bandwidth (MHz)	Modulation	Channel		631334	633332	635332	Tune-up power(dBm)
		Frequency(MHz)		3470.01	3499.98	3529.98	
40	DFT-s-OFDM BPSK	1	1	25.73	25.70	25.62	26.50
Bandwidth (MHz)	Modulation	Channel		631000	633332	635666	Tune-up power(dBm)
		Frequency(MHz)		3465	3499.98	3534.99	
30	DFT-s-OFDM BPSK	1	1	25.72	25.67	25.69	26.50
Bandwidth (MHz)	Modulation	Channel		630834	633332	635832	Tune-up power(dBm)
		Frequency(MHz)		3462.51	3499.98	3537.48	
25	DFT-s-OFDM BPSK	1	1	25.61	25.69	25.68	26.50
Bandwidth (MHz)	Modulation	Channel		630668	633332	636000	Tune-up power(dBm)
		Frequency(MHz)		3460.02	3499.98	3540	
20	DFT-s-OFDM BPSK	1	1	25.73	25.76	25.68	26.50
Bandwidth (MHz)	Modulation	Channel		630500	633332	636166	Tune-up power(dBm)
		Frequency(MHz)		3457.5	3499.98	3542.49	
15	DFT-s-OFDM BPSK	1	1	25.63	25.71	25.70	26.50
Bandwidth (MHz)	Modulation	Channel		630334	633332	636332	Tune-up power(dBm)
		Frequency(MHz)		3455.01	3499.98	3544.98	
10	DFT-s-OFDM BPSK	1	1	25.61	25.63	25.69	26.50

N77(3700-3980MHz)-ANT1 (UL MIMO)							
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	DFT-s-OFDM BPSK	1	1	25.34	25.41	25.32	26.50
		1	137	25.19	25.25	25.16	26.50
		1	271	25.10	25.19	25.07	26.50
		135	0	25.12	25.23	25.15	26.50
		135	69	25.20	25.24	25.16	26.50
		135	138	24.70	24.77	24.70	26.50
	DFT-s-OFDM QPSK	270	0	24.73	24.76	24.73	26.50
		1	1	25.34	25.35	25.29	26.50
		1	137	25.27	25.41	25.27	26.50
		1	271	24.94	25.08	24.99	26.50
		135	0	25.36	25.38	25.37	26.50
		135	69	25.24	25.26	25.13	26.50
		135	138	24.73	24.79	24.68	26.50
		270	0	24.64	24.72	24.63	26.50
	DFT-s-OFDM 16QAM	1	1	25.35	25.37	25.34	26.50
	DFT-s-OFDM 64QAM	1	1	24.78	24.79	24.71	26.50
	DFT-s-OFDM 256QAM	1	1	22.88	22.89	22.83	24.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		Frequency(MHz)		3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	25.27	25.38	25.28	26.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		Frequency(MHz)		3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	25.26	25.36	25.28	26.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		Frequency(MHz)		3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	25.31	25.29	25.31	26.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		Frequency(MHz)		3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	25.19	25.33	25.19	26.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		Frequency(MHz)		3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	25.23	25.29	25.30	26.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		Frequency(MHz)		3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	25.24	25.40	25.29	26.50
Bandwidth (MHz)	Modulation	Channel		647668	656000	664332	Tune-up power(dBm)
		Frequency(MHz)		3715.02	3840	3964.98	
30	DFT-s-OFDM BPSK	1	1	25.27	25.26	25.17	26.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		Frequency(MHz)		3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	25.28	25.34	25.20	26.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		Frequency(MHz)		3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	25.23	25.40	25.25	26.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dBm)
		Frequency(MHz)		3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	25.33	25.32	25.21	26.50
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		Frequency(MHz)		3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	25.32	25.38	25.19	26.50

8.4.6 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	DFT-s-OFDM BPSK	1	1		24.66		25.50
		1	137		24.46		25.50
		1	271		24.53		25.50
		135	0		24.44		25.50
		135	69		24.56		25.50
		135	138		24.37		25.50
		270	0		24.41		25.50
	DFT-s-OFDM QPSK	1	1		24.64		25.50
		1	137		24.40		25.50
		1	271		24.45		25.50
		135	0		24.39		25.50
		135	69		24.43		25.50
		135	138		24.41		25.50
		270	0		24.37		25.50
	DFT-s-OFDM 16QAM	1	1		24.58		25.50
	DFT-s-OFDM 64QAM	1	1		23.98		25.00
	DFT-s-OFDM 256QAM	1	1		22.01		23.00
Bandwidth (MHz)	Modulation	Channel		633000	633332	633666	Tune-up power(dBm)
		Frequency(MHz)		3495	3499.98	3504.99	
90	DFT-s-OFDM BPSK	1	1	24.46	24.61	24.48	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633332	634000	Tune-up power(dBm)
		Frequency(MHz)		3490.02	3499.98	3510	
80	DFT-s-OFDM BPSK	1	1	24.43	24.52	24.37	25.50
Bandwidth (MHz)	Modulation	Channel		632334	633332	634332	Tune-up power(dBm)
		Frequency(MHz)		3485.01	3499.98	3514.98	
70	DFT-s-OFDM BPSK	1	1	24.31	24.53	24.40	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633332	634666	Tune-up power(dBm)
		Frequency(MHz)		3480	3499.98	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.41	24.57	24.39	25.50
Bandwidth (MHz)	Modulation	Channel		631668	633332	635000	Tune-up power(dBm)
		Frequency(MHz)		3475.02	3499.98	3525	
50	DFT-s-OFDM BPSK	1	1	24.36	24.57	24.37	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633332	635332	Tune-up power(dBm)
		Frequency(MHz)		3470.01	3499.98	3529.98	
40	DFT-s-OFDM BPSK	1	1	24.33	24.52	24.33	25.50
Bandwidth (MHz)	Modulation	Channel		631000	633332	635666	Tune-up power(dBm)
		Frequency(MHz)		3465	3499.98	3534.99	
30	DFT-s-OFDM BPSK	1	1	24.38	24.55	24.40	25.50
Bandwidth (MHz)	Modulation	Channel		630834	633332	635832	Tune-up power(dBm)
		Frequency(MHz)		3462.51	3499.98	3537.48	
25	DFT-s-OFDM BPSK	1	1	24.33	24.56	24.34	25.50
Bandwidth (MHz)	Modulation	Channel		630668	633332	636000	Tune-up power(dBm)
		Frequency(MHz)		3460.02	3499.98	3540	
20	DFT-s-OFDM BPSK	1	1	24.43	24.49	24.46	25.50
Bandwidth (MHz)	Modulation	Channel		630500	633332	636166	Tune-up power(dBm)
		Frequency(MHz)		3457.5	3499.98	3542.49	
15	DFT-s-OFDM BPSK	1	1	24.45	24.59	24.47	25.50
Bandwidth (MHz)	Modulation	Channel		630334	633332	636332	Tune-up power(dBm)
		Frequency(MHz)		3455.01	3499.98	3544.98	
10	DFT-s-OFDM BPSK	1	1	24.45	24.57	24.42	25.50

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	DFT-s-OFDM BPSK	1	1	24.57	24.69	24.68	25.50
		1	137	24.33	24.47	24.33	25.50
		1	271	24.45	24.54	24.46	25.50
		135	0	24.49	24.47	24.51	25.50
		135	69	24.39	24.55	24.41	25.50
		135	138	24.03	24.13	24.02	25.50
		270	0	24.31	24.35	24.25	25.50
	DFT-s-OFDM QPSK	1	1	24.54	24.62	24.52	25.50
		1	137	24.35	24.48	24.34	25.50
		1	271	24.50	24.52	24.38	25.50
		135	0	24.47	24.53	24.43	25.50
		135	69	24.42	24.43	24.40	25.50
		135	138	24.17	24.28	24.27	25.50
		270	0	24.08	24.11	24.10	25.50
	DFT-s-OFDM 16QAM	1	1	24.39	24.53	24.50	25.50
	DFT-s-OFDM 64QAM	1	1	23.82	23.88	23.79	25.00
	DFT-s-OFDM 256QAM	1	1	21.95	21.97	21.95	23.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		Frequency(MHz)		3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	24.52	24.66	24.55	25.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		Frequency(MHz)		3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	24.51	24.61	24.54	25.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		Frequency(MHz)		3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	24.46	24.65	24.54	25.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		Frequency(MHz)		3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	24.43	24.58	24.61	25.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		Frequency(MHz)		3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	24.47	24.60	24.56	25.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		Frequency(MHz)		3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	24.52	24.55	24.53	25.50
Bandwidth (MHz)	Modulation	Channel		647668	656000	664332	Tune-up power(dBm)
		Frequency(MHz)		3715.02	3840	3964.98	
30	DFT-s-OFDM BPSK	1	1	24.48	24.65	24.54	25.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		Frequency(MHz)		3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	24.42	24.63	24.67	25.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		Frequency(MHz)		3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	24.52	24.57	24.55	25.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dBm)
		Frequency(MHz)		3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	24.44	24.57	24.67	25.50
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		Frequency(MHz)		3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	24.45	24.67	24.65	25.50

8.4.6 NR Band77 Output Power

N77(3450-3550MHz)-ANT5 (UL MIMO)							
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	DFT-s-OFDM BPSK	1	1		24.66		25.50
		1	137		24.46		25.50
		1	271		24.53		25.50
		135	0		24.44		25.50
		135	69		24.56		25.50
		135	138		24.37		25.50
		270	0		24.41		25.50
	DFT-s-OFDM QPSK	1	1		24.64		25.50
		1	137		24.40		25.50
		1	271		24.45		25.50
		135	0		24.39		25.50
		135	69		24.43		25.50
		135	138		24.41		25.50
		270	0		24.37		25.50
	DFT-s-OFDM 16QAM	1	1		24.58		25.50
	DFT-s-OFDM 64QAM	1	1		23.98		25.00
	DFT-s-OFDM 256QAM	1	1		22.01		23.00
Bandwidth (MHz)	Modulation	Channel		633000	633332	633666	Tune-up power(dBm)
		Frequency(MHz)		3495	3499.98	3504.99	
90	DFT-s-OFDM BPSK	1	1	24.46	24.61	24.48	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633332	634000	Tune-up power(dBm)
		Frequency(MHz)		3490.02	3499.98	3510	
80	DFT-s-OFDM BPSK	1	1	24.43	24.52	24.37	25.50
Bandwidth (MHz)	Modulation	Channel		632334	633332	634332	Tune-up power(dBm)
		Frequency(MHz)		3485.01	3499.98	3514.98	
70	DFT-s-OFDM BPSK	1	1	24.31	24.53	24.40	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633332	634666	Tune-up power(dBm)
		Frequency(MHz)		3480	3499.98	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.41	24.57	24.39	25.50
Bandwidth (MHz)	Modulation	Channel		631668	633332	635000	Tune-up power(dBm)
		Frequency(MHz)		3475.02	3499.98	3525	
50	DFT-s-OFDM BPSK	1	1	24.36	24.57	24.37	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633332	635332	Tune-up power(dBm)
		Frequency(MHz)		3470.01	3499.98	3529.98	
40	DFT-s-OFDM BPSK	1	1	24.33	24.52	24.33	25.50
Bandwidth (MHz)	Modulation	Channel		631000	633332	635666	Tune-up power(dBm)
		Frequency(MHz)		3465	3499.98	3534.99	
30	DFT-s-OFDM BPSK	1	1	24.38	24.55	24.40	25.50
Bandwidth (MHz)	Modulation	Channel		630834	633332	635832	Tune-up power(dBm)
		Frequency(MHz)		3462.51	3499.98	3537.48	
25	DFT-s-OFDM BPSK	1	1	24.33	24.56	24.34	25.50
Bandwidth (MHz)	Modulation	Channel		630668	633332	636000	Tune-up power(dBm)
		Frequency(MHz)		3460.02	3499.98	3540	
20	DFT-s-OFDM BPSK	1	1	24.43	24.49	24.46	25.50
Bandwidth (MHz)	Modulation	Channel		630500	633332	636166	Tune-up power(dBm)
		Frequency(MHz)		3457.5	3499.98	3542.49	
15	DFT-s-OFDM BPSK	1	1	24.45	24.59	24.47	25.50
Bandwidth (MHz)	Modulation	Channel		630334	633332	636332	Tune-up power(dBm)
		Frequency(MHz)		3455.01	3499.98	3544.98	
10	DFT-s-OFDM BPSK	1	1	24.45	24.57	24.42	25.50

N77(3700-3980MHz)-ANT5 (UL MIMO)							
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	DFT-s-OFDM BPSK	1	1	24.57	24.69	24.68	25.50
		1	137	24.33	24.47	24.33	25.50
		1	271	24.45	24.54	24.46	25.50
		135	0	24.49	24.47	24.51	25.50
		135	69	24.39	24.55	24.41	25.50
		135	138	24.03	24.13	24.02	25.50
		270	0	24.31	24.35	24.25	25.50
	DFT-s-OFDM QPSK	1	1	24.54	24.62	24.52	25.50
		1	137	24.35	24.48	24.34	25.50
		1	271	24.50	24.52	24.38	25.50
		135	0	24.47	24.53	24.43	25.50
		135	69	24.42	24.43	24.40	25.50
		135	138	24.17	24.28	24.27	25.50
		270	0	24.08	24.11	24.10	25.50
	DFT-s-OFDM 16QAM	1	1	24.39	24.53	24.50	25.50
	DFT-s-OFDM 64QAM	1	1	23.82	23.88	23.79	25.00
	DFT-s-OFDM 256QAM	1	1	21.95	21.97	21.95	23.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		Frequency(MHz)		3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	24.52	24.66	24.55	25.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		Frequency(MHz)		3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	24.51	24.61	24.54	25.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		Frequency(MHz)		3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	24.46	24.65	24.54	25.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		Frequency(MHz)		3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	24.43	24.58	24.61	25.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		Frequency(MHz)		3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	24.47	24.60	24.56	25.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		Frequency(MHz)		3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	24.52	24.55	24.53	25.50
Bandwidth (MHz)	Modulation	Channel		647668	656000	664332	Tune-up power(dBm)
		Frequency(MHz)		3715.02	3840	3964.98	
30	DFT-s-OFDM BPSK	1	1	24.48	24.65	24.54	25.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		Frequency(MHz)		3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	24.42	24.63	24.67	25.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		Frequency(MHz)		3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	24.52	24.57	24.55	25.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dBm)
		Frequency(MHz)		3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	24.44	24.57	24.67	25.50
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		Frequency(MHz)		3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	24.45	24.67	24.65	25.50

8.4.7 NR Band78 Output Power

N78(3450-3550MHz)-ANT1 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	DFT-s-OFDM BPSK	1	1		23.84		24.50
		1	137		23.76		24.50
		1	271		23.56		24.50
		135	0		23.75		24.50
		135	69		23.79		24.50
		135	138		23.68		24.50
		270	0		23.59		24.50
	DFT-s-OFDM QPSK	1	1		23.70		24.50
		1	137		23.82		24.50
		1	271		23.56		24.50
		135	0		23.65		24.50
		135	69		23.64		24.50
		135	138		23.72		24.50
		270	0		23.58		24.50
	DFT-s-OFDM 16QAM	1	1		23.76		24.50
	DFT-s-OFDM 64QAM	1	1		23.80		24.50
	DFT-s-OFDM 256QAM	1	1		23.81		24.50
Bandwidth (MHz)	Modulation	Channel		633000	633332	633666	Tune-up power(dBm)
		Frequency(MHz)		3495	3499.98	3504.99	
90	DFT-s-OFDM BPSK	1	1	23.76	23.82	23.74	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633332	634000	Tune-up power(dBm)
		Frequency(MHz)		3490.02	3499.98	3510	
80	DFT-s-OFDM BPSK	1	1	23.72	23.75	23.63	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633332	634332	Tune-up power(dBm)
		Frequency(MHz)		3485.01	3499.98	3514.98	
70	DFT-s-OFDM BPSK	1	1	23.61	23.78	23.68	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633332	634666	Tune-up power(dBm)
		Frequency(MHz)		3480	3499.98	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.67	23.78	23.73	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633332	635000	Tune-up power(dBm)
		Frequency(MHz)		3475.02	3499.98	3525	
50	DFT-s-OFDM BPSK	1	1	23.62	23.73	23.64	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633332	635332	Tune-up power(dBm)
		Frequency(MHz)		3470.01	3499.98	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.69	23.74	23.63	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633332	635666	Tune-up power(dBm)
		Frequency(MHz)		3465	3499.98	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.70	23.69	23.64	24.50
Bandwidth (MHz)	Modulation	Channel		630834	633332	635832	Tune-up power(dBm)
		Frequency(MHz)		3462.51	3499.98	3537.48	
25	DFT-s-OFDM BPSK	1	1	23.62	23.77	23.62	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633332	636000	Tune-up power(dBm)
		Frequency(MHz)		3460.02	3499.98	3540	
20	DFT-s-OFDM BPSK	1	1	23.64	23.68	23.66	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633332	636166	Tune-up power(dBm)
		Frequency(MHz)		3457.5	3499.98	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.61	23.68	23.69	24.50
Bandwidth (MHz)	Modulation	Channel		630334	633332	636332	Tune-up power(dBm)
		Frequency(MHz)		3455.01	3499.98	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.75	23.67	23.66	24.50

N78(3700-3800MHz)-ANT1 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	DFT-s-OFDM BPSK	1	1		23.86		24.50
		1	137		23.78		24.50
		1	271		23.76		24.50
		135	0		23.61		24.50
		135	69		23.77		24.50
		135	138		23.73		24.50
		270	0		23.76		24.50
	DFT-s-OFDM QPSK	1	1		23.79		24.50
		1	137		23.69		24.50
		1	271		23.64		24.50
		135	0		23.64		24.50
		135	69		23.66		24.50
		135	138		23.75		24.50
		270	0		23.77		24.50
	DFT-s-OFDM 16QAM	1	1		23.72		24.50
	DFT-s-OFDM 64QAM	1	1		23.63		24.50
	DFT-s-OFDM 256QAM	1	1		23.47		24.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dBm)
		Frequency(MHz)		3745.02	3750	3754.98	
90	DFT-s-OFDM BPSK	1	1	23.71	23.77	23.59	24.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dBm)
		Frequency(MHz)		3740.01	3750	3759.99	
80	DFT-s-OFDM BPSK	1	1	23.67	23.70	23.72	24.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dBm)
		Frequency(MHz)		3735	3750	3765	
70	DFT-s-OFDM BPSK	1	1	23.63	23.67	23.71	24.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dBm)
		Frequency(MHz)		3730.02	3750	3769.98	
60	DFT-s-OFDM BPSK	1	1	23.62	23.76	23.59	24.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dBm)
		Frequency(MHz)		3725.01	3750	3774.99	
50	DFT-s-OFDM BPSK	1	1	23.67	23.77	23.66	24.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dBm)
		Frequency(MHz)		3720	3750	3780	
40	DFT-s-OFDM BPSK	1	1	23.62	23.71	23.66	24.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	652332	Tune-up power(dBm)
		Frequency(MHz)		3715.02	3750	3784.98	
30	DFT-s-OFDM BPSK	1	1	23.70	23.68	23.62	24.50
Bandwidth (MHz)	Modulation	Channel		647500	650000	652500	Tune-up power(dBm)
		Frequency(MHz)		3712.5	3750	3787.5	
25	DFT-s-OFDM BPSK	1	1	23.69	23.72	23.65	24.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dBm)
		Frequency(MHz)		3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	23.75	23.80	23.61	24.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dBm)
		Frequency(MHz)		3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	23.65	23.67	23.61	24.50
Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dBm)
		Frequency(MHz)		3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	23.65	23.71	23.73	24.50

8.4.7 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	DFT-s-OFDM BPSK	1	1		23.75		24.50
		1	137		23.66		24.50
		1	271		23.68		24.50
		135	0		23.55		24.50
		135	69		23.70		24.50
		135	138		23.61		24.00
		270	0		23.62		24.50
	DFT-s-OFDM QPSK	1	1		23.69		24.50
		1	137		23.65		24.50
		1	271		23.67		24.50
		135	0		23.42		24.50
		135	69		23.71		24.50
		135	138		23.43		24.50
		270	0		23.38		24.50
	DFT-s-OFDM 16QAM	1	1		23.34		24.50
	DFT-s-OFDM 64QAM	1	1		23.67		24.50
	DFT-s-OFDM 256QAM	1	1		22.23		23.00
Bandwidth (MHz)	Modulation	Channel		633000	633332	633666	Tune-up power(dBm)
		Frequency(MHz)		3495	3499.98	3504.99	
90	DFT-s-OFDM BPSK	1	1	23.58	23.60	23.54	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633332	634000	Tune-up power(dBm)
		Frequency(MHz)		3490.02	3499.98	3510	
80	DFT-s-OFDM BPSK	1	1	23.64	23.72	23.59	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633332	634332	Tune-up power(dBm)
		Frequency(MHz)		3485.01	3499.98	3514.98	
70	DFT-s-OFDM BPSK	1	1	23.64	23.72	23.59	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633332	634666	Tune-up power(dBm)
		Frequency(MHz)		3480	3499.98	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.66	23.74	23.54	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633332	635000	Tune-up power(dBm)
		Frequency(MHz)		3475.02	3499.98	3525	
50	DFT-s-OFDM BPSK	1	1	23.56	23.64	23.63	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633332	635332	Tune-up power(dBm)
		Frequency(MHz)		3470.01	3499.98	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.67	23.73	23.64	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633332	635666	Tune-up power(dBm)
		Frequency(MHz)		3465	3499.98	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.59	23.62	23.60	24.50
Bandwidth (MHz)	Modulation	Channel		630834	633332	635832	Tune-up power(dBm)
		Frequency(MHz)		3462.51	3499.98	3537.48	
25	DFT-s-OFDM BPSK	1	1	23.68	23.69	23.64	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633332	636000	Tune-up power(dBm)
		Frequency(MHz)		3460.02	3499.98	3540	
20	DFT-s-OFDM BPSK	1	1	23.68	23.67	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633332	636166	Tune-up power(dBm)
		Frequency(MHz)		3457.5	3499.98	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.59	23.69	23.53	24.50
Bandwidth (MHz)	Modulation	Channel		630334	633332	636332	Tune-up power(dBm)
		Frequency(MHz)		3455.01	3499.98	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.61	23.74	23.57	24.50

N78(3700-3800MHz)-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	DFT-s-OFDM BPSK	1	1		23.98		24.50
		1	137		23.95		24.50
		1	271		23.92		24.50
		135	0		23.84		24.50
		135	69		23.96		24.50
		135	138		23.87		24.50
		270	0		23.93		24.50
	DFT-s-OFDM QPSK	1	1		23.96		24.50
		1	137		23.92		24.50
		1	271		23.91		24.50
		135	0		23.82		24.50
		135	69		23.86		24.50
		135	138		23.84		24.50
		270	0		23.81		24.50
	DFT-s-OFDM 16QAM	1	1		23.97		24.50
	DFT-s-OFDM 64QAM	1	1		23.93		24.50
	DFT-s-OFDM 256QAM	1	1		22.55		23.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dBm)
		Frequency(MHz)		3745.02	3750	3754.98	
90	DFT-s-OFDM BPSK	1	1	23.89	23.97	23.86	24.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dBm)
		Frequency(MHz)		3740.01	3750	3759.99	
80	DFT-s-OFDM BPSK	1	1	23.83	23.89	23.83	24.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dBm)
		Frequency(MHz)		3735	3750	3765	
70	DFT-s-OFDM BPSK	1	1	23.85	23.90	23.78	24.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dBm)
		Frequency(MHz)		3730.02	3750	3769.98	
60	DFT-s-OFDM BPSK	1	1	23.86	23.92	23.83	24.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dBm)
		Frequency(MHz)		3725.01	3750	3774.99	
50	DFT-s-OFDM BPSK	1	1	23.87	23.87	23.82	24.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dBm)
		Frequency(MHz)		3720	3750	3780	
40	DFT-s-OFDM BPSK	1	1	23.79	23.82	23.72	24.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	652332	Tune-up power(dBm)
		Frequency(MHz)		3715.02	3750	3784.98	
30	DFT-s-OFDM BPSK	1	1	23.82	23.91	23.82	24.50
Bandwidth (MHz)	Modulation	Channel		647500	650000	652500	Tune-up power(dBm)
		Frequency(MHz)		3712.5	3750	3787.5	
25	DFT-s-OFDM BPSK	1	1	23.86	23.97	23.94	24.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dBm)
		Frequency(MHz)		3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	23.82	23.85	23.84	24.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dBm)
		Frequency(MHz)		3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	23.89	23.94	23.78	24.50
Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dBm)
		Frequency(MHz)		3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	23.79	23.87	23.77	24.50