

8 CONDUCTED RF OUPUT POWER

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8.1.1 LTE Band2 Output Power

LTE B2 Full Power ANT0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	1	0	QPSK	22.37	22.39	22.32	23.50
		49	QPSK	22.25	22.33	22.35	23.50
		99	QPSK	22.33	22.38	22.24	23.50
	50	0	QPSK	21.27	21.56	21.30	22.50
		24	QPSK	21.32	21.50	21.32	22.50
		50	QPSK	21.28	21.54	21.30	22.50
	100	0	QPSK	21.30	21.59	21.22	22.50
20	1	0	16QAM	21.24	21.76	21.32	22.50
		49	16QAM	21.26	21.65	21.31	22.50
		99	16QAM	21.26	21.62	21.28	22.50
	50	0	16QAM	20.34	20.54	20.33	21.50
		24	16QAM	20.36	20.57	20.24	21.50
		50	16QAM	20.28	20.55	20.26	21.50
	100	0	16QAM	20.34	20.59	20.31	21.50
20	1	0	64QAM	20.30	20.33	20.17	21.50
		49	64QAM	20.20	20.20	20.32	21.50
		99	64QAM	20.19	20.31	20.23	21.50
	50	0	64QAM	19.23	19.32	19.20	20.50
		24	64QAM	19.26	19.25	19.29	20.50
		50	64QAM	19.17	19.27	19.24	20.50
	100	0	64QAM	19.19	19.36	19.16	20.50
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	1	0	QPSK	22.30	22.33	22.19	23.50
		37	QPSK	22.16	22.21	22.21	23.50
		74	QPSK	22.20	22.35	22.14	23.50
	36	0	QPSK	21.22	21.45	21.26	22.50
		20	QPSK	21.19	21.35	21.28	22.50
		39	QPSK	21.17	21.34	21.25	22.50
	75	0	QPSK	21.16	21.56	21.07	22.50
15	1	0	16QAM	21.11	21.71	21.27	22.50
		37	16QAM	21.11	21.57	21.26	22.50
		74	16QAM	21.23	21.59	21.25	22.50
	36	0	16QAM	20.29	20.40	20.30	21.50
		20	16QAM	20.21	20.43	20.17	21.50
		39	16QAM	20.27	20.41	20.21	21.50
	75	0	16QAM	20.27	20.53	20.27	21.50
15	1	0	64QAM	20.27	20.24	20.04	21.50
		37	64QAM	20.11	20.12	20.21	21.50
		74	64QAM	20.14	20.18	20.13	21.50
	36	0	64QAM	19.08	19.22	19.17	20.50
		20	64QAM	19.24	19.15	19.24	20.50
		39	64QAM	19.12	19.14	19.19	20.50
	75	0	64QAM	19.11	19.30	19.15	20.50

Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	1	0	QPSK	22.25	22.37	22.29	23.50
		25	QPSK	22.17	22.26	22.31	23.50
		49	QPSK	22.19	22.25	22.10	23.50
	25	0	QPSK	21.15	21.41	21.16	22.50
		12	QPSK	21.30	21.33	21.31	22.50
		25	QPSK	21.23	21.31	21.21	22.50
	50	0	QPSK	21.22	21.34	21.14	22.50
10	1	0	16QAM	21.13	21.72	21.19	22.50
		25	16QAM	21.23	21.58	21.17	22.50
		49	16QAM	21.14	21.51	21.18	22.50
	25	0	16QAM	20.26	20.44	20.24	21.50
		12	16QAM	20.28	20.42	20.13	21.50
		25	16QAM	20.16	20.54	20.24	21.50
	50	0	16QAM	20.19	20.56	20.24	21.50
10	1	0	64QAM	20.25	20.20	20.09	21.50
		25	64QAM	20.19	20.06	20.28	21.50
		49	64QAM	20.06	20.26	20.22	21.50
	25	0	64QAM	19.18	19.24	19.16	20.50
		12	64QAM	19.15	19.12	19.25	20.50
		25	64QAM	19.03	19.18	19.19	20.50
	50	0	64QAM	19.07	19.29	19.15	20.50
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	1	0	QPSK	22.29	22.35	22.26	23.50
		12	QPSK	22.24	22.21	22.23	23.50
		24	QPSK	22.18	22.33	22.22	23.50
	12	0	QPSK	21.25	21.41	21.26	22.50
		7	QPSK	21.24	21.33	21.23	22.50
		13	QPSK	21.18	21.31	21.16	22.50
	25	0	QPSK	21.18	21.40	21.17	22.50
5	1	0	16QAM	21.11	21.72	21.26	22.50
		12	16QAM	21.16	21.59	21.20	22.50
		24	16QAM	21.17	21.57	21.25	22.50
	12	0	16QAM	20.26	20.43	20.28	21.50
		7	16QAM	20.33	20.43	20.12	21.50
		13	16QAM	20.21	20.49	20.11	21.50
	25	0	16QAM	20.26	20.47	20.20	21.50
5	1	0	64QAM	20.21	20.27	20.14	21.50
		12	64QAM	20.15	20.10	20.21	21.50
		24	64QAM	20.09	20.29	20.13	21.50
	12	0	64QAM	19.09	19.18	19.17	20.50
		7	64QAM	19.21	19.16	19.18	20.50
		13	64QAM	19.11	19.13	19.18	20.50
	25	0	64QAM	19.14	19.34	19.04	20.50

Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	1	0	QPSK	22.30	22.28	22.23	23.50
		8	QPSK	22.14	22.24	22.28	23.50
		14	QPSK	22.25	22.36	22.21	23.50
	8	0	QPSK	21.14	21.42	21.25	22.50
		4	QPSK	21.30	21.34	21.20	22.50
		7	QPSK	21.19	21.31	21.24	22.50
	15	0	QPSK	21.27	21.54	21.08	22.50
3	1	0	16QAM	21.14	21.62	21.24	22.50
		8	16QAM	21.23	21.55	21.24	22.50
		14	16QAM	21.12	21.58	21.17	22.50
	8	0	16QAM	20.21	20.46	20.28	21.50
		4	16QAM	20.22	20.53	20.21	21.50
		7	16QAM	20.14	20.40	20.14	21.50
	15	0	16QAM	20.20	20.47	20.29	21.50
3	1	0	64QAM	20.24	20.18	20.08	21.50
		8	64QAM	20.10	20.05	20.19	21.50
		14	64QAM	20.07	20.20	20.17	21.50
	8	0	64QAM	19.15	19.18	19.12	20.50
		4	64QAM	19.23	19.23	19.17	20.50
		7	64QAM	19.11	19.12	19.23	20.50
	15	0	64QAM	19.13	19.28	19.01	20.50
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	1	0	QPSK	22.24	22.32	22.21	23.50
		3	QPSK	22.15	22.24	22.24	23.50
		5	QPSK	22.31	22.26	22.10	23.50
	3	0	QPSK	22.29	22.34	22.28	23.50
		1	QPSK	22.10	22.26	22.25	23.50
		3	QPSK	22.21	22.23	22.10	23.50
	6	0	QPSK	21.17	21.50	21.27	22.50
1.4	1	0	16QAM	21.23	21.38	21.27	22.50
		3	16QAM	21.27	21.39	21.20	22.50
		5	16QAM	21.24	21.55	21.18	22.50
	3	0	16QAM	21.20	21.53	21.18	22.50
		1	16QAM	21.27	21.35	21.26	22.50
		3	16QAM	21.27	21.53	21.19	22.50
	6	0	16QAM	20.26	20.39	20.18	21.50
1.4	1	0	64QAM	20.33	20.42	20.22	21.50
		3	64QAM	20.17	20.47	20.20	21.50
		5	64QAM	20.27	20.46	20.21	21.50
	3	0	64QAM	20.32	20.44	20.21	21.50
		1	64QAM	20.21	20.45	20.11	21.50
		3	64QAM	20.14	20.48	20.24	21.50
	6	0	64QAM	19.23	19.17	19.25	20.50

8.1.1 LTE Band2 Output Power

LTE B2 Full Power ANT0-ENDC							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	1	0	QPSK	19.31	19.33	19.31	20.50
		49	QPSK	19.21	19.27	19.23	20.50
		99	QPSK	19.29	19.32	19.16	20.50
	50	0	QPSK	18.22	18.51	18.22	19.50
		24	QPSK	18.29	18.47	18.24	19.50
		50	QPSK	18.23	18.48	18.26	19.50
	100	0	QPSK	18.28	18.50	18.14	19.50
20	1	0	16QAM	18.17	18.69	18.23	19.50
		49	16QAM	18.25	18.57	18.30	19.50
		99	16QAM	18.24	18.54	18.25	19.50
	50	0	16QAM	17.32	17.53	17.27	18.50
		24	16QAM	17.30	17.50	17.15	18.50
		50	16QAM	17.27	17.54	17.25	18.50
	100	0	16QAM	17.28	17.57	17.28	18.50
20	1	0	64QAM	17.24	17.26	17.09	18.50
		49	64QAM	17.19	17.17	17.27	18.50
		99	64QAM	17.17	17.26	17.21	18.50
	50	0	64QAM	16.16	16.25	16.19	17.50
		24	64QAM	16.20	16.18	16.26	17.50
		50	64QAM	16.16	16.25	16.19	17.50
	100	0	64QAM	16.16	16.34	16.11	17.50
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	1	0	QPSK	19.36	19.31	19.24	20.50
		37	QPSK	19.18	19.24	19.27	20.50
		74	QPSK	19.09	19.16	18.97	20.50
	36	0	QPSK	18.19	18.53	18.21	19.50
		20	QPSK	18.09	18.29	18.06	19.50
		39	QPSK	18.07	18.25	18.09	19.50
	75	0	QPSK	18.29	18.58	18.19	19.50
15	1	0	16QAM	18.16	18.69	18.24	19.50
		37	16QAM	18.23	18.56	18.28	19.50
		74	16QAM	18.21	18.59	18.26	19.50
	36	0	16QAM	17.29	17.49	17.32	18.50
		20	16QAM	17.30	17.51	17.22	18.50
		39	16QAM	17.20	17.48	17.17	18.50
	75	0	16QAM	17.25	17.57	17.23	18.50
15	1	0	64QAM	17.23	17.27	17.08	18.50
		37	64QAM	17.12	17.12	17.23	18.50
		74	64QAM	17.18	17.22	17.15	18.50
	36	0	64QAM	16.21	16.24	16.12	17.50
		20	64QAM	16.22	16.20	16.22	17.50
		39	64QAM	16.11	16.20	16.17	17.50
	75	0	64QAM	16.16	16.30	16.09	17.50

Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	1	0	QPSK	19.30	19.31	19.26	20.50
		25	QPSK	19.16	19.25	19.13	20.50
		49	QPSK	19.06	19.14	18.96	20.50
	25	0	QPSK	18.24	18.53	18.22	19.50
		12	QPSK	18.27	18.43	18.27	19.50
		25	QPSK	18.23	18.31	18.26	19.50
	50	0	QPSK	18.26	18.31	18.19	19.50
10	1	0	16QAM	18.15	18.71	18.30	19.50
		25	16QAM	18.20	18.57	18.26	19.50
		49	16QAM	18.24	18.59	18.25	19.50
	25	0	16QAM	17.29	17.53	17.29	18.50
		12	16QAM	17.33	17.54	17.18	18.50
		25	16QAM	17.21	17.51	17.20	18.50
	50	0	16QAM	17.29	17.53	17.28	18.50
10	1	0	64QAM	17.23	17.32	17.16	18.50
		25	64QAM	17.15	17.13	17.24	18.50
		49	64QAM	17.12	17.24	17.18	18.50
	25	0	64QAM	16.19	16.31	16.13	17.50
		12	64QAM	16.19	16.21	16.28	17.50
		25	64QAM	16.09	16.20	16.20	17.50
	50	0	64QAM	16.18	16.34	16.13	17.50
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	1	0	QPSK	19.30	19.35	19.28	20.50
		12	QPSK	19.16	19.31	19.26	20.50
		24	QPSK	19.08	19.15	19.02	20.50
	12	0	QPSK	18.26	18.52	18.24	19.50
		7	QPSK	18.29	18.43	18.27	19.50
		13	QPSK	18.19	18.33	18.21	19.50
	25	0	QPSK	18.27	18.37	18.18	19.50
5	1	0	16QAM	18.17	18.75	18.27	19.50
		12	16QAM	18.24	18.58	18.30	19.50
		24	16QAM	18.20	18.61	18.26	19.50
	12	0	16QAM	17.29	17.52	17.24	18.50
		7	16QAM	17.28	17.49	17.19	18.50
		13	16QAM	17.22	17.53	17.23	18.50
	25	0	16QAM	17.29	17.53	17.29	18.50
5	1	0	64QAM	17.21	17.30	17.13	18.50
		12	64QAM	17.18	17.15	17.25	18.50
		24	64QAM	17.18	17.26	17.18	18.50
	12	0	64QAM	16.16	16.30	16.12	17.50
		7	64QAM	16.18	16.19	16.25	17.50
		13	64QAM	16.13	16.26	16.18	17.50
	25	0	64QAM	16.16	16.33	16.08	17.50

Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	1	0	QPSK	19.29	19.30	19.30	20.50
		8	QPSK	19.18	19.26	19.13	20.50
		14	QPSK	19.06	19.15	18.95	20.50
	8	0	QPSK	18.25	18.49	18.23	19.50
		4	QPSK	18.23	18.43	18.24	19.50
		7	QPSK	18.06	18.30	18.27	19.50
	15	0	QPSK	18.28	18.33	18.16	19.50
3	1	0	16QAM	18.23	18.69	18.29	19.50
		8	16QAM	18.18	18.58	18.26	19.50
		14	16QAM	18.23	18.53	18.19	19.50
	8	0	16QAM	17.27	17.53	17.31	18.50
		4	16QAM	17.34	17.49	17.20	18.50
		7	16QAM	17.21	17.46	17.23	18.50
	15	0	16QAM	17.32	17.53	17.24	18.50
3	1	0	64QAM	17.28	17.32	17.08	18.50
		8	64QAM	17.11	17.17	17.29	18.50
		14	64QAM	17.10	17.30	17.15	18.50
	8	0	64QAM	16.22	16.30	16.14	17.50
		4	64QAM	16.21	16.16	16.28	17.50
		7	64QAM	16.15	16.24	16.22	17.50
	15	0	64QAM	16.11	16.31	16.15	17.50
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	1	0	QPSK	19.19	19.27	19.16	20.50
		3	QPSK	19.10	19.23	19.15	20.50
		5	QPSK	19.24	19.18	19.08	20.50
	3	0	QPSK	19.26	19.23	19.27	20.50
		1	QPSK	19.07	19.18	19.00	20.50
		3	QPSK	19.14	19.22	19.09	20.50
	6	0	QPSK	18.10	18.44	18.24	19.50
1.4	1	0	16QAM	18.16	18.32	18.20	19.50
		3	16QAM	18.25	18.36	18.12	19.50
		5	16QAM	18.16	18.51	18.09	19.50
	3	0	16QAM	18.13	18.46	18.16	19.50
		1	16QAM	18.18	18.32	18.18	19.50
		3	16QAM	18.21	18.52	18.11	19.50
	6	0	16QAM	17.17	17.35	17.14	18.50
1.4	1	0	64QAM	17.29	17.37	17.15	18.50
		3	64QAM	17.08	17.43	17.15	18.50
		5	64QAM	17.20	17.44	17.12	18.50
	3	0	64QAM	17.30	17.39	17.15	18.50
		1	64QAM	17.16	17.43	17.09	18.50
		3	64QAM	17.09	17.45	17.16	18.50
	6	0	64QAM	16.16	16.11	16.20	17.50

8.1.2 LTE Band4 Output Power

LTE B4 Full Power ANT0							
BW [MHz]	RB Size	RB Offset	Modulation	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	22.75	22.97	22.76	24.00
		49	QPSK	22.69	22.74	22.78	24.00
		99	QPSK	22.67	22.69	22.64	24.00
	50	0	QPSK	21.84	21.81	21.79	23.00
		24	QPSK	21.63	21.63	21.77	23.00
		50	QPSK	21.70	21.60	21.52	23.00
	100	0	QPSK	21.74	21.61	21.64	23.00
20	1	0	16QAM	22.34	22.24	22.18	23.00
		49	16QAM	22.25	22.21	22.04	23.00
		99	16QAM	22.29	22.19	22.06	23.00
	50	0	16QAM	20.88	20.79	20.80	22.00
		24	16QAM	20.83	20.81	20.83	22.00
		50	16QAM	20.85	20.68	20.63	22.00
	100	0	16QAM	21.18	20.67	20.77	22.00
20	1	0	64QAM	20.64	20.71	20.63	22.00
		49	64QAM	20.68	20.62	20.76	22.00
		99	64QAM	20.65	20.64	20.58	22.00
	50	0	64QAM	19.74	19.73	19.73	21.00
		24	64QAM	19.63	19.79	19.74	21.00
		50	64QAM	19.56	19.70	19.75	21.00
	100	0	64QAM	19.64	19.68	19.50	21.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	1	0	QPSK	22.75	22.74	22.74	24.00
		37	QPSK	22.73	22.74	22.62	24.00
		74	QPSK	22.75	22.77	22.68	24.00
	36	0	QPSK	21.76	21.79	21.70	23.00
		20	QPSK	21.72	21.65	21.65	23.00
		39	QPSK	21.69	21.64	21.56	23.00
	75	0	QPSK	21.67	21.60	21.54	23.00
15	1	0	16QAM	21.85	22.20	22.17	23.00
		37	16QAM	21.70	22.19	22.21	23.00
		74	16QAM	21.73	22.17	22.17	23.00
	36	0	16QAM	21.14	20.88	20.75	22.00
		20	16QAM	20.87	20.88	20.78	22.00
		39	16QAM	20.84	20.87	20.70	22.00
	75	0	16QAM	20.81	20.79	20.75	22.00
15	1	0	64QAM	20.66	20.72	20.75	22.00
		37	64QAM	20.58	20.70	20.71	22.00
		74	64QAM	20.56	20.60	20.61	22.00
	36	0	64QAM	19.65	19.74	19.67	21.00
		20	64QAM	19.63	19.67	19.66	21.00
		39	64QAM	19.68	19.63	19.76	21.00
	75	0	64QAM	19.54	19.67	19.62	21.00

Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	1	0	QPSK	22.65	22.91	22.77	24.00
		25	QPSK	22.88	22.67	22.75	24.00
		49	QPSK	22.87	22.74	22.76	24.00
	25	0	QPSK	21.94	21.93	21.88	23.00
		12	QPSK	21.85	21.78	21.74	23.00
		25	QPSK	21.79	21.76	21.69	23.00
	50	0	QPSK	21.81	21.75	21.74	23.00
10	1	0	16QAM	21.94	22.38	21.82	23.00
		25	16QAM	21.89	22.33	21.76	23.00
		49	16QAM	21.91	22.34	21.91	23.00
	25	0	16QAM	21.28	20.94	20.97	22.00
		12	16QAM	21.03	20.96	20.96	22.00
		25	16QAM	20.99	21.00	20.94	22.00
	50	0	16QAM	20.95	20.90	20.89	22.00
10	1	0	64QAM	20.63	20.73	20.67	22.00
		25	64QAM	20.64	20.70	20.64	22.00
		49	64QAM	20.59	20.54	20.63	22.00
	25	0	64QAM	19.63	19.77	19.74	21.00
		12	64QAM	19.60	19.78	19.64	21.00
		25	64QAM	19.64	19.70	19.76	21.00
	50	0	64QAM	19.61	19.68	19.55	21.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	1	0	QPSK	22.71	22.77	22.73	24.00
		12	QPSK	22.79	22.69	22.69	24.00
		24	QPSK	22.71	22.79	22.72	24.00
	12	0	QPSK	21.94	21.97	21.82	23.00
		7	QPSK	21.81	21.87	21.72	23.00
		13	QPSK	21.79	21.77	21.67	23.00
	25	0	QPSK	21.78	21.72	21.70	23.00
5	1	0	16QAM	22.45	22.18	22.00	23.00
		12	16QAM	22.49	21.96	21.92	23.00
		24	16QAM	22.41	22.08	22.00	23.00
	12	0	16QAM	21.08	21.01	20.88	22.00
		7	16QAM	21.10	21.01	20.97	22.00
		13	16QAM	21.09	20.95	20.92	22.00
	25	0	16QAM	21.01	20.85	20.88	22.00
5	1	0	64QAM	20.72	20.75	20.72	22.00
		12	64QAM	20.54	20.64	20.69	22.00
		24	64QAM	20.59	20.59	20.50	22.00
	12	0	64QAM	19.61	19.78	19.64	21.00
		7	64QAM	19.62	19.73	19.65	21.00
		13	64QAM	19.65	19.69	19.72	21.00
	25	0	64QAM	19.59	19.55	19.59	21.00

Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	1	0	QPSK	22.70	22.78	22.65	24.00
		8	QPSK	22.67	22.68	22.70	24.00
		14	QPSK	22.53	22.56	22.61	24.00
	8	0	QPSK	21.80	21.83	21.74	23.00
		4	QPSK	21.66	21.52	21.79	23.00
		7	QPSK	21.65	21.58	21.44	23.00
	15	0	QPSK	21.73	21.60	21.59	23.00
3	1	0	16QAM	22.21	22.09	22.09	23.00
		8	16QAM	22.22	22.13	22.00	23.00
		14	16QAM	22.22	22.15	21.99	23.00
	8	0	16QAM	20.83	20.66	20.79	22.00
		4	16QAM	20.74	20.78	20.82	22.00
		7	16QAM	20.77	20.57	20.52	22.00
	15	0	16QAM	21.13	20.53	20.68	22.00
3	1	0	64QAM	20.52	20.59	20.55	22.00
		8	64QAM	20.61	20.58	20.71	22.00
		14	64QAM	20.57	20.53	20.54	22.00
	8	0	64QAM	19.71	19.64	19.58	21.00
		4	64QAM	19.52	19.67	19.63	21.00
		7	64QAM	19.41	19.65	19.65	21.00
	15	0	64QAM	19.58	19.61	19.49	21.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	1	0	QPSK	22.62	22.84	22.67	24.00
		3	QPSK	22.63	22.71	22.69	24.00
		5	QPSK	22.58	22.68	22.59	24.00
	3	0	QPSK	22.81	22.75	22.78	24.00
		1	QPSK	22.62	22.61	22.69	24.00
		3	QPSK	22.55	22.58	22.45	24.00
	6	0	QPSK	21.70	21.52	21.61	23.00
1.4	1	0	16QAM	22.33	22.23	22.11	23.00
		3	16QAM	22.17	22.19	21.92	23.00
		5	16QAM	22.22	22.13	21.99	23.00
	3	0	16QAM	21.76	21.70	21.69	23.00
		1	16QAM	21.74	21.69	21.69	23.00
		3	16QAM	21.78	21.63	21.62	23.00
	6	0	16QAM	21.16	20.58	20.76	22.00
1.4	1	0	64QAM	20.54	20.69	20.54	22.00
		3	64QAM	20.61	20.47	20.75	22.00
		5	64QAM	20.58	20.54	20.43	22.00
	3	0	64QAM	20.68	20.68	20.66	22.00
		1	64QAM	20.62	20.68	20.59	22.00
		3	64QAM	20.48	20.55	20.61	22.00
	6	0	64QAM	19.86	19.94	19.75	21.00

8.1.2 LTE Band4 Output Power

LTE B4 Full Power ANT0-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	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	19.67	19.95	19.69	21.00
		49	QPSK	19.60	19.67	19.77	21.00
		99	QPSK	19.62	19.68	19.55	21.00
	50	0	QPSK	18.79	18.74	18.74	20.00
		24	QPSK	18.66	18.56	18.72	20.00
		50	QPSK	18.58	18.48	18.43	20.00
	100	0	QPSK	18.86	18.72	18.72	20.00
20	1	0	16QAM	19.29	19.23	19.12	20.00
		49	16QAM	19.20	19.13	19.01	20.00
		99	16QAM	19.25	19.16	18.98	20.00
	50	0	16QAM	17.84	17.70	17.77	19.00
		24	16QAM	17.76	17.80	17.81	19.00
		50	16QAM	17.76	17.66	17.62	19.00
	100	0	16QAM	18.10	17.63	17.68	19.00
20	1	0	64QAM	17.62	17.68	17.56	19.00
		49	64QAM	17.61	17.56	17.75	19.00
		99	64QAM	17.60	17.58	17.55	19.00
	50	0	64QAM	16.71	16.66	16.71	18.00
		24	64QAM	16.62	16.76	16.70	18.00
		50	64QAM	16.55	16.63	16.70	18.00
	100	0	64QAM	16.60	16.66	16.43	18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	1	0	QPSK	19.67	19.88	19.68	21.00
		37	QPSK	19.60	19.67	19.74	21.00
		74	QPSK	19.63	19.68	19.55	21.00
	36	0	QPSK	18.75	18.78	18.77	20.00
		20	QPSK	18.68	18.57	18.75	20.00
		39	QPSK	18.63	18.48	18.45	20.00
	75	0	QPSK	18.62	18.53	18.60	20.00
15	1	0	16QAM	19.26	19.18	19.09	20.00
		37	16QAM	19.23	19.20	18.97	20.00
		74	16QAM	19.25	19.18	19.02	20.00
	36	0	16QAM	17.87	17.71	17.76	19.00
		20	16QAM	17.80	17.75	17.75	19.00
		39	16QAM	17.81	17.64	17.54	19.00
	75	0	16QAM	18.10	17.63	17.74	19.00
15	1	0	64QAM	17.58	17.62	17.56	19.00
		37	64QAM	17.64	17.53	17.71	19.00
		74	64QAM	17.57	17.62	17.53	19.00
	36	0	64QAM	16.72	16.72	16.72	18.00
		20	64QAM	16.55	16.75	16.73	18.00
		39	64QAM	16.49	16.69	16.69	18.00
	75	0	64QAM	16.57	16.59	16.43	18.00

Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	1	0	QPSK	19.70	19.95	19.71	21.00
		25	QPSK	19.64	19.66	19.73	21.00
		49	QPSK	19.66	19.62	19.62	21.00
	25	0	QPSK	18.80	18.79	18.76	20.00
		12	QPSK	18.68	18.59	18.70	20.00
		25	QPSK	18.64	18.52	18.41	20.00
	50	0	QPSK	18.62	18.53	18.56	20.00
10	1	0	16QAM	19.25	19.22	19.10	20.00
		25	16QAM	19.21	19.18	18.97	20.00
		49	16QAM	19.26	19.11	19.00	20.00
	25	0	16QAM	17.81	17.75	17.72	19.00
		12	16QAM	17.77	17.76	17.76	19.00
		25	16QAM	17.78	17.66	17.55	19.00
	50	0	16QAM	18.12	17.65	17.74	19.00
10	1	0	64QAM	17.58	17.64	17.55	19.00
		25	64QAM	17.60	17.59	17.72	19.00
		49	64QAM	17.56	17.61	17.55	19.00
	25	0	64QAM	16.73	16.66	16.72	18.00
		12	64QAM	16.59	16.71	16.71	18.00
		25	64QAM	16.51	16.64	16.74	18.00
	50	0	64QAM	16.62	16.59	16.44	18.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	1	0	QPSK	19.69	19.93	19.67	24.00
		12	QPSK	19.63	19.73	19.77	24.00
		24	QPSK	19.61	19.61	19.57	24.00
	12	0	QPSK	18.79	18.74	18.77	23.00
		7	QPSK	18.62	18.57	18.70	23.00
		13	QPSK	18.66	18.55	18.44	23.00
	25	0	QPSK	18.68	18.53	18.56	23.00
5	1	0	16QAM	19.31	19.23	19.09	23.00
		12	16QAM	19.21	19.13	18.96	23.00
		24	16QAM	19.26	19.16	19.05	23.00
	12	0	16QAM	17.81	17.74	17.77	22.00
		7	16QAM	17.78	17.73	17.75	22.00
		13	16QAM	17.81	17.60	17.54	22.00
	25	0	16QAM	18.13	17.60	17.76	22.00
5	1	0	64QAM	17.58	17.62	17.61	22.00
		12	64QAM	17.62	17.55	17.70	22.00
		24	64QAM	17.57	17.59	17.49	22.00
	12	0	64QAM	16.69	16.69	16.70	21.00
		7	64QAM	16.56	16.75	16.69	21.00
		13	64QAM	16.54	16.65	16.68	21.00
	25	0	64QAM	16.56	16.60	16.49	21.00

Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	1	0	QPSK	19.74	19.96	19.70	24.00
		8	QPSK	19.67	19.70	19.75	24.00
		14	QPSK	19.62	19.60	19.56	24.00
	8	0	QPSK	18.76	18.74	18.70	23.00
		4	QPSK	18.69	18.60	18.70	23.00
		7	QPSK	18.58	18.50	18.46	23.00
	15	0	QPSK	18.62	18.57	18.59	23.00
3	1	0	16QAM	19.25	19.22	19.15	23.00
		8	16QAM	19.18	19.20	18.99	23.00
		14	16QAM	19.26	19.17	18.99	23.00
	8	0	16QAM	17.80	17.72	17.77	22.00
		4	16QAM	17.80	17.73	17.77	22.00
		7	16QAM	17.77	17.64	17.61	22.00
	15	0	16QAM	18.15	17.64	17.69	22.00
3	1	0	64QAM	17.59	17.64	17.62	22.00
		8	64QAM	17.65	17.55	17.72	22.00
		14	64QAM	17.64	17.57	17.53	22.00
	8	0	64QAM	16.66	16.71	16.67	21.00
		4	64QAM	16.62	16.77	16.71	21.00
		7	64QAM	16.54	16.67	16.67	21.00
	15	0	64QAM	16.62	16.60	16.49	21.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	1	0	QPSK	19.56	19.76	19.65	21.00
		3	QPSK	19.54	19.63	19.67	21.00
		5	QPSK	19.51	19.62	19.53	21.00
	3	0	QPSK	19.78	19.74	19.70	21.00
		1	QPSK	19.58	19.56	19.61	21.00
		3	QPSK	19.48	19.52	19.41	21.00
	6	0	QPSK	18.62	18.42	18.54	20.00
1.4	1	0	16QAM	19.26	19.14	19.04	20.00
		3	16QAM	19.09	19.13	18.88	20.00
		5	16QAM	19.18	19.09	18.94	20.00
	3	0	16QAM	18.68	18.68	18.66	20.00
		1	16QAM	18.71	18.64	18.68	20.00
		3	16QAM	18.74	18.55	18.55	20.00
	6	0	16QAM	18.10	17.54	17.70	19.00
1.4	1	0	64QAM	17.53	17.67	17.50	19.00
		3	64QAM	17.58	17.44	17.66	19.00
		5	64QAM	17.52	17.47	17.37	19.00
	3	0	64QAM	17.67	17.62	17.64	19.00
		1	64QAM	17.54	17.59	17.54	19.00
		3	64QAM	17.47	17.46	17.56	19.00
	6	0	64QAM	16.77	16.90	16.71	18.00

8.1.3 LTE Band5 Output Power

LTE B5 Full Power ANT4							
BW [MHz]	RB Size	RB Offset	Modulation	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	23.28	23.34	23.32	24.50
		25	QPSK	23.27	23.33	23.33	24.50
		49	QPSK	23.24	23.31	23.33	24.50
	25	0	QPSK	22.29	22.38	22.25	23.50
		12	QPSK	22.33	22.35	22.19	23.50
		25	QPSK	22.29	22.31	22.32	23.50
	50	0	QPSK	22.22	22.40	22.31	23.50
10	1	0	16QAM	22.43	22.56	22.39	23.50
		25	16QAM	22.41	22.58	22.37	23.50
		49	16QAM	22.45	22.54	22.39	23.50
	25	0	16QAM	21.38	21.44	21.35	22.50
		12	16QAM	21.39	21.43	21.34	22.50
		25	16QAM	21.37	21.48	21.33	22.50
	50	0	16QAM	21.34	21.41	21.31	22.50
10	1	0	64QAM	21.25	21.21	21.22	22.50
		25	64QAM	21.26	21.25	21.24	22.50
		49	64QAM	21.20	21.28	21.31	22.50
	25	0	64QAM	20.23	20.31	20.22	21.50
		12	64QAM	20.15	20.31	20.30	21.50
		25	64QAM	20.19	20.32	20.24	21.50
	50	0	64QAM	20.17	20.22	20.19	21.50
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	1	0	QPSK	23.16	23.29	23.22	24.50
		12	QPSK	23.18	23.21	23.22	24.50
		24	QPSK	23.18	23.18	23.22	24.50
	12	0	QPSK	22.19	22.34	22.17	23.50
		7	QPSK	22.25	22.30	22.10	23.50
		13	QPSK	22.18	22.29	22.29	23.50
	25	0	QPSK	22.10	22.27	22.22	23.50
5	1	0	16QAM	22.31	22.43	22.29	23.50
		12	16QAM	22.38	22.55	22.24	23.50
		24	16QAM	22.40	22.43	22.24	23.50
	12	0	16QAM	21.24	21.36	21.33	22.50
		7	16QAM	21.34	21.28	21.29	22.50
		13	16QAM	21.29	21.35	21.21	22.50
	25	0	16QAM	21.30	21.26	21.27	22.50
5	1	0	64QAM	21.17	21.10	21.15	22.50
		12	64QAM	21.15	21.19	21.10	22.50
		24	64QAM	21.13	21.18	21.27	22.50
	12	0	64QAM	20.10	20.26	20.12	21.50
		7	64QAM	20.05	20.16	20.27	21.50
		13	64QAM	20.05	20.26	20.11	21.50
	25	0	64QAM	20.11	20.12	20.12	21.50

Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	1	0	QPSK	23.23	23.31	23.28	24.50
		8	QPSK	23.18	23.18	23.27	24.50
		14	QPSK	23.21	23.28	23.21	24.50
	8	0	QPSK	22.21	22.23	22.22	23.50
		4	QPSK	22.18	22.20	22.08	23.50
		7	QPSK	22.13	22.19	22.14	23.50
	15	0	QPSK	22.09	22.19	22.24	23.50
3	1	0	16QAM	22.37	22.45	22.24	23.50
		8	16QAM	22.33	22.46	22.24	23.50
		14	16QAM	22.35	22.42	22.35	23.50
	8	0	16QAM	21.32	21.42	21.28	22.50
		4	16QAM	21.30	21.38	21.24	22.50
		7	16QAM	21.26	21.34	21.28	22.50
	15	0	16QAM	21.24	21.39	21.25	22.50
3	1	0	64QAM	21.10	21.06	21.19	22.50
		8	64QAM	21.19	21.21	21.18	22.50
		14	64QAM	21.07	21.19	21.21	22.50
	8	0	64QAM	20.22	20.20	20.15	21.50
		4	64QAM	20.13	20.19	20.24	21.50
		7	64QAM	20.16	20.17	20.23	21.50
	15	0	64QAM	20.04	20.09	20.11	21.50
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	1	0	QPSK	23.23	23.24	23.22	24.50
		3	QPSK	23.25	23.32	23.30	24.50
		5	QPSK	23.19	23.20	23.14	24.50
	3	0	QPSK	23.17	23.31	23.21	24.50
		1	QPSK	23.24	23.19	23.22	24.50
		3	QPSK	23.14	23.22	23.30	24.50
	6	0	QPSK	22.18	22.24	22.15	23.50
1.4	1	0	16QAM	22.25	22.21	22.10	23.50
		3	16QAM	22.14	22.30	22.29	23.50
		5	16QAM	22.20	22.31	22.13	23.50
	3	0	16QAM	22.18	22.23	22.21	23.50
		1	16QAM	22.19	22.32	22.04	23.50
		3	16QAM	22.16	22.24	22.20	23.50
	6	0	16QAM	21.33	21.33	21.23	22.50
1.4	1	0	64QAM	21.33	21.40	21.21	22.50
		3	64QAM	21.31	21.36	21.25	22.50
		5	64QAM	21.34	21.37	21.21	22.50
	3	0	64QAM	21.25	21.38	21.31	22.50
		1	64QAM	21.31	21.42	21.27	22.50
		3	64QAM	21.31	21.41	21.19	22.50
	6	0	64QAM	20.11	20.27	20.14	21.50

8.1.3 LTE Band5 Output Power

LTE B5 Full Power ANT4-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	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	20.22	20.33	20.26	21.50
		25	QPSK	20.23	20.26	20.32	21.50
		49	QPSK	20.16	20.23	20.25	21.50
	25	0	QPSK	19.27	19.29	19.24	20.50
		12	QPSK	19.24	19.20	19.11	20.50
		25	QPSK	19.21	19.24	19.23	20.50
	50	0	QPSK	19.16	19.38	19.24	20.50
10	1	0	16QAM	19.42	19.50	19.30	20.50
		25	16QAM	19.36	19.56	19.28	20.50
		49	16QAM	19.42	19.46	19.34	20.50
	25	0	16QAM	18.30	18.40	18.31	19.50
		12	16QAM	18.31	18.34	18.25	19.50
		25	16QAM	18.34	18.45	18.32	19.50
	50	0	16QAM	18.30	18.33	18.27	19.50
10	1	0	64QAM	18.23	18.16	18.19	19.50
		25	64QAM	18.25	18.23	18.15	19.50
		49	64QAM	18.13	18.22	18.23	19.50
	25	0	64QAM	17.20	17.26	17.17	18.50
		12	64QAM	17.06	17.23	17.23	18.50
		25	64QAM	17.14	17.27	17.21	18.50
	50	0	64QAM	17.09	17.14	17.16	18.50
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	1	0	QPSK	20.23	20.28	20.31	21.50
		12	QPSK	20.21	20.24	20.30	21.50
		24	QPSK	20.16	20.25	20.29	21.50
	12	0	QPSK	19.22	19.34	19.21	20.50
		7	QPSK	19.31	19.30	19.12	20.50
		13	QPSK	19.26	19.29	19.23	20.50
	25	0	QPSK	19.13	19.39	19.27	20.50
5	1	0	16QAM	19.42	19.48	19.33	20.50
		12	16QAM	19.37	19.53	19.33	20.50
		24	16QAM	19.41	19.45	19.36	20.50
	12	0	16QAM	18.37	18.42	18.27	19.50
		7	16QAM	18.36	18.35	18.27	19.50
		13	16QAM	18.35	18.40	18.26	19.50
	25	0	16QAM	18.28	18.40	18.25	19.50
5	1	0	64QAM	18.17	18.18	18.19	19.50
		12	64QAM	18.25	18.19	18.21	19.50
		24	64QAM	18.17	18.23	18.29	19.50
	12	0	64QAM	17.21	17.29	17.13	18.50
		7	64QAM	17.07	17.29	17.28	18.50
		13	64QAM	17.13	17.23	17.21	18.50
	25	0	64QAM	17.08	17.14	17.15	18.50

Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	1	0	QPSK	20.19	20.30	20.29	21.50
		8	QPSK	20.24	20.29	20.32	21.50
		14	QPSK	20.21	20.30	20.24	21.50
	8	0	QPSK	19.26	19.35	19.17	20.50
		4	QPSK	19.30	19.27	19.15	20.50
		7	QPSK	19.27	19.25	19.31	20.50
	15	0	QPSK	19.14	19.36	19.24	20.50
3	1	0	16QAM	19.35	19.47	19.34	20.50
		8	16QAM	19.40	19.52	19.32	20.50
		14	16QAM	19.40	19.46	19.32	20.50
	8	0	16QAM	18.30	18.38	18.31	19.50
		4	16QAM	18.33	18.42	18.25	19.50
		7	16QAM	18.34	18.41	18.28	19.50
	15	0	16QAM	18.30	18.38	18.24	19.50
3	1	0	64QAM	18.24	18.19	18.15	19.50
		8	64QAM	18.25	18.21	18.22	19.50
		14	64QAM	18.18	18.25	18.24	19.50
	8	0	64QAM	17.22	17.27	17.13	18.50
		4	64QAM	17.07	17.27	17.26	18.50
		7	64QAM	17.16	17.27	17.21	18.50
	15	0	64QAM	17.16	17.16	17.14	18.50
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	1	0	QPSK	20.18	20.16	20.18	21.50
		3	QPSK	20.23	20.31	20.25	21.50
		5	QPSK	20.16	20.19	20.26	21.50
	3	0	QPSK	20.09	20.29	20.15	21.50
		1	QPSK	20.15	20.18	20.20	21.50
		3	QPSK	20.13	20.21	20.21	21.50
	6	0	QPSK	19.12	19.23	19.13	20.50
1.4	1	0	16QAM	19.23	19.17	19.02	20.50
		3	16QAM	19.08	19.25	19.22	20.50
		5	16QAM	19.13	19.24	19.10	20.50
	3	0	16QAM	19.14	19.17	19.13	20.50
		1	16QAM	19.17	19.31	19.01	20.50
		3	16QAM	19.08	19.17	19.19	20.50
	6	0	16QAM	18.29	18.24	18.22	19.50
1.4	1	0	64QAM	18.30	18.35	18.12	19.50
		3	64QAM	18.22	18.31	18.16	19.50
		5	64QAM	18.28	18.31	18.16	19.50
	3	0	64QAM	18.16	18.36	18.23	19.50
		1	64QAM	18.24	18.36	18.21	19.50
		3	64QAM	18.25	18.36	18.14	19.50
	6	0	64QAM	17.04	17.19	17.05	18.50

8.1.4 LTE Band7 Output Power

LTE B7 Full Power ANT0							
BW [MHz]	RB Size	RB Offset	Modulation	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	1	0	QPSK	22.64	22.73	22.68	23.50
		49	QPSK	22.71	22.61	22.71	23.50
		99	QPSK	22.70	22.61	22.60	23.50
	50	0	QPSK	21.86	21.97	21.97	22.50
		24	QPSK	21.85	21.93	21.88	22.50
		50	QPSK	21.86	21.95	21.87	22.50
	100	0	QPSK	21.85	21.95	21.88	22.50
20	1	0	16QAM	22.27	22.32	22.19	22.50
		49	16QAM	22.32	22.34	22.17	22.50
		99	16QAM	22.33	22.47	22.24	22.50
	50	0	16QAM	20.91	20.90	20.96	21.50
		24	16QAM	20.89	20.93	21.02	21.50
		50	16QAM	20.89	20.97	20.89	21.50
	100	0	16QAM	20.89	20.91	21.00	21.50
20	1	0	64QAM	20.53	20.68	20.54	21.50
		49	64QAM	20.64	20.50	20.60	21.50
		99	64QAM	20.65	20.59	20.52	21.50
	50	0	64QAM	19.51	19.63	19.67	20.50
		24	64QAM	19.61	19.65	19.64	20.50
		50	64QAM	19.57	19.50	19.67	20.50
	100	0	64QAM	19.64	19.57	19.45	20.50
Channel				20825	21100	21375	Tune-up power(dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	1	0	QPSK	22.68	22.71	22.66	23.50
		37	QPSK	22.70	22.69	22.65	23.50
		74	QPSK	22.66	22.60	22.69	23.50
	36	0	QPSK	21.89	21.99	21.90	22.50
		20	QPSK	21.92	21.90	21.99	22.50
		39	QPSK	21.83	21.90	21.95	22.50
	75	0	QPSK	21.97	21.89	22.04	22.50
15	1	0	16QAM	21.71	22.21	22.24	22.50
		37	16QAM	21.78	22.34	22.31	22.50
		74	16QAM	21.82	22.27	22.27	22.50
	36	0	16QAM	20.88	21.04	20.98	21.50
		20	16QAM	20.94	20.95	20.97	21.50
		39	16QAM	20.86	20.97	21.00	21.50
	75	0	16QAM	20.93	20.94	21.04	21.50
15	1	0	64QAM	20.57	20.70	20.55	21.50
		37	64QAM	20.62	20.50	20.66	21.50
		74	64QAM	20.64	20.52	20.59	21.50
	36	0	64QAM	19.55	19.66	19.58	20.50
		20	64QAM	19.55	19.64	19.67	20.50
		39	64QAM	19.69	19.51	19.65	20.50
	75	0	64QAM	19.57	19.58	19.45	20.50

Channel				20800	21100	21400	Tune-up power(dBm)
Frequency (MHz)				2505	2535	2565	
10	1	0	QPSK	22.64	22.68	22.63	23.50
		25	QPSK	22.67	22.64	22.65	23.50
		49	QPSK	22.66	22.64	22.63	23.50
	25	0	QPSK	22.06	22.09	22.03	22.50
		12	QPSK	21.97	22.06	21.99	22.50
		25	QPSK	21.99	22.03	21.94	22.50
	50	0	QPSK	22.04	22.02	22.16	22.50
10	1	0	16QAM	22.01	22.42	22.11	22.50
		25	16QAM	22.04	22.44	22.05	22.50
		49	16QAM	22.01	22.47	22.27	22.50
	25	0	16QAM	21.10	21.16	21.22	21.50
		12	16QAM	21.03	21.09	21.23	21.50
		25	16QAM	21.01	21.10	21.22	21.50
	50	0	16QAM	21.13	21.07	21.18	21.50
10	1	0	64QAM	20.53	20.68	20.65	21.50
		25	64QAM	20.61	20.46	20.57	21.50
		49	64QAM	20.64	20.58	20.50	21.50
	25	0	64QAM	19.54	19.60	19.57	20.50
		12	64QAM	19.58	19.67	19.60	20.50
		25	64QAM	19.58	19.50	19.57	20.50
	50	0	64QAM	19.57	19.55	19.45	20.50
Channel				20775	21100	21425	Tune-up power(dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	1	0	QPSK	22.62	22.70	22.69	23.50
		12	QPSK	22.60	22.67	22.61	23.50
		24	QPSK	22.58	22.68	22.59	23.50
	12	0	QPSK	21.98	22.08	22.05	22.50
		7	QPSK	22.07	22.02	21.97	22.50
		13	QPSK	21.99	22.01	21.89	22.50
	25	0	QPSK	22.01	22.01	22.12	22.50
5	1	0	16QAM	22.43	22.13	22.22	22.50
		12	16QAM	22.49	21.97	22.19	22.50
		24	16QAM	22.27	22.22	22.26	22.50
	12	0	16QAM	21.13	21.13	21.12	21.50
		7	16QAM	21.22	21.13	21.21	21.50
		13	16QAM	21.22	21.14	21.26	21.50
	25	0	16QAM	21.09	20.95	21.15	21.50
5	1	0	64QAM	20.61	20.59	20.60	21.50
		12	64QAM	20.57	20.56	20.63	21.50
		24	64QAM	20.55	20.51	20.48	21.50
	12	0	64QAM	19.58	19.64	19.59	20.50
		7	64QAM	19.56	19.62	19.54	20.50
		13	64QAM	19.69	19.49	19.65	20.50
	25	0	64QAM	19.63	19.48	19.53	20.50

8.1.4 LTE Band7 Output Power

LTE B7 Full Power ANT0-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	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	19.55	19.69	19.63	20.50
		49	QPSK	19.48	19.36	19.46	20.50
		99	QPSK	19.49	19.42	19.38	20.50
	50	0	QPSK	18.77	18.88	18.93	19.50
		24	QPSK	18.63	18.68	18.83	19.50
		50	QPSK	18.65	18.74	18.65	19.50
	100	0	QPSK	18.62	18.78	18.81	19.50
20	1	0	16QAM	19.21	19.28	19.15	19.50
		49	16QAM	19.27	19.28	19.11	19.50
		99	16QAM	19.24	19.39	19.20	19.50
	50	0	16QAM	17.82	17.85	17.91	18.50
		24	16QAM	17.81	17.90	17.93	18.50
		50	16QAM	17.87	17.94	17.83	18.50
	100	0	16QAM	17.82	17.90	17.97	18.50
20	1	0	64QAM	17.45	17.67	17.50	18.50
		49	64QAM	17.56	17.41	17.58	18.50
		99	64QAM	17.58	17.54	17.45	18.50
	50	0	64QAM	16.50	16.60	16.60	17.50
		24	64QAM	16.55	16.60	16.55	17.50
		50	64QAM	16.54	16.46	16.66	17.50
	100	0	64QAM	16.56	16.51	16.39	17.50
Channel				20825	21100	21375	Tune-up power(dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	1	0	QPSK	19.57	19.71	19.62	20.50
		37	QPSK	19.46	19.39	19.54	20.50
		74	QPSK	19.51	19.36	19.40	20.50
	36	0	QPSK	18.80	18.94	18.91	19.50
		20	QPSK	18.63	18.72	18.81	19.50
		39	QPSK	18.63	18.60	18.64	19.50
	75	0	QPSK	18.66	18.71	18.79	19.50
15	1	0	16QAM	19.19	19.24	19.17	19.50
		37	16QAM	19.30	19.26	19.15	19.50
		74	16QAM	19.29	19.38	19.17	19.50
	36	0	16QAM	17.90	17.82	17.92	18.50
		20	16QAM	17.83	17.90	17.95	18.50
		39	16QAM	17.88	17.94	17.87	18.50
	75	0	16QAM	17.85	17.90	17.98	18.50
15	1	0	64QAM	17.47	17.59	17.47	18.50
		37	64QAM	17.58	17.46	17.52	18.50
		74	64QAM	17.57	17.56	17.49	18.50
	36	0	64QAM	16.43	16.55	16.58	17.50
		20	64QAM	16.55	16.63	16.55	17.50
		39	64QAM	16.50	16.49	16.60	17.50
	75	0	64QAM	16.58	16.54	16.42	17.50

Channel				20800	21100	21400	Tune-up power(dBm)
Frequency (MHz)				2505	2535	2565	
10	1	0	QPSK	19.59	19.64	19.64	20.50
		25	QPSK	19.51	19.42	19.53	20.50
		49	QPSK	19.51	19.41	19.35	20.50
	25	0	QPSK	18.77	18.91	18.91	19.50
		12	QPSK	18.68	18.75	18.75	19.50
		25	QPSK	18.62	18.78	18.66	19.50
	50	0	QPSK	18.64	18.75	18.77	19.50
10	1	0	16QAM	19.20	19.23	19.15	19.50
		25	16QAM	19.23	19.29	19.11	19.50
		49	16QAM	19.26	19.45	19.17	19.50
	25	0	16QAM	17.86	17.89	17.94	18.50
		12	16QAM	17.84	17.88	18.01	18.50
		25	16QAM	17.85	17.96	17.88	18.50
	50	0	16QAM	17.84	17.86	17.94	18.50
10	1	0	64QAM	17.50	17.59	17.45	18.50
		25	64QAM	17.63	17.48	17.54	18.50
		49	64QAM	17.61	17.56	17.51	18.50
	25	0	64QAM	16.49	16.55	16.66	17.50
		12	64QAM	16.53	16.63	16.59	17.50
		25	64QAM	16.55	16.47	16.59	17.50
	50	0	64QAM	16.61	16.54	16.37	17.50
Channel				20775	21100	21425	Tune-up power(dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	1	0	QPSK	19.58	19.64	19.61	20.50
		12	QPSK	19.54	19.55	19.56	20.50
		24	QPSK	19.61	19.53	19.52	20.50
	12	0	QPSK	18.84	18.90	18.89	19.50
		7	QPSK	18.76	18.84	18.78	19.50
		13	QPSK	18.77	18.84	18.80	19.50
	25	0	QPSK	18.81	18.88	19.00	19.50
5	1	0	16QAM	19.22	19.27	19.12	19.50
		12	16QAM	19.28	19.31	19.09	19.50
		24	16QAM	19.31	19.41	19.16	19.50
	12	0	16QAM	17.83	17.81	17.92	18.50
		7	16QAM	17.84	17.84	17.98	18.50
		13	16QAM	17.82	17.88	17.80	18.50
	25	0	16QAM	17.86	17.82	17.93	18.50
5	1	0	64QAM	17.47	17.64	17.50	18.50
		12	64QAM	17.58	17.43	17.52	18.50
		24	64QAM	17.57	17.56	17.48	18.50
	12	0	64QAM	16.46	16.62	16.60	17.50
		7	64QAM	16.57	16.57	16.63	17.50
		13	64QAM	16.48	16.43	16.66	17.50
	25	0	64QAM	16.57	16.53	16.40	17.50

8.1.5 LTE Band12 Output Power

LTE B12 Full Power ANT4							
BW [MHz]	RB Size	RB Offset	Modulation	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	23.46	23.48	23.35	24.50
		25	QPSK	23.38	23.36	23.27	24.50
		49	QPSK	23.39	23.37	23.20	24.50
	25	0	QPSK	22.44	22.45	22.44	23.50
		12	QPSK	22.37	22.28	22.23	23.50
		25	QPSK	22.25	22.23	22.21	23.50
	50	0	QPSK	22.35	22.27	22.27	23.50
10	1	0	16QAM	22.49	22.99	22.42	23.50
		25	16QAM	22.49	22.93	22.44	23.50
		49	16QAM	22.37	22.81	22.26	23.50
	25	0	16QAM	21.47	21.51	21.53	22.50
		12	16QAM	21.53	21.46	21.50	22.50
		25	16QAM	21.48	21.37	21.48	22.50
	50	0	16QAM	21.47	21.43	21.48	22.50
10	1	0	64QAM	21.31	21.47	21.21	22.50
		25	64QAM	21.32	21.35	21.26	22.50
		49	64QAM	21.31	21.25	21.15	22.50
	25	0	64QAM	20.34	20.44	20.34	21.50
		12	64QAM	20.36	20.34	20.32	21.50
		25	64QAM	20.29	20.32	20.19	21.50
	50	0	64QAM	20.30	20.36	20.15	21.50
Channel				23035	23095	23155	Tune-up power(dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	1	0	QPSK	23.39	23.44	23.43	24.50
		12	QPSK	23.15	23.22	23.11	24.50
		24	QPSK	23.21	23.31	23.19	24.50
	12	0	QPSK	22.51	22.46	22.38	23.50
		7	QPSK	22.31	22.29	22.21	23.50
		13	QPSK	22.30	22.19	22.14	23.50
	25	0	QPSK	22.31	22.23	22.25	23.50
5	1	0	16QAM	23.00	22.64	22.59	23.50
		12	16QAM	22.96	22.61	22.45	23.50
		24	16QAM	22.93	22.62	22.43	23.50
	12	0	16QAM	21.64	21.52	21.43	22.50
		7	16QAM	21.66	21.46	21.49	22.50
		13	16QAM	21.59	21.42	21.39	22.50
	25	0	16QAM	21.56	21.26	21.35	22.50
5	1	0	64QAM	21.33	21.46	21.29	22.50
		12	64QAM	21.32	21.31	21.15	22.50
		24	64QAM	21.31	21.35	21.12	22.50
	12	0	64QAM	20.35	20.43	20.21	21.50
		7	64QAM	20.38	20.42	20.30	21.50
		13	64QAM	20.31	20.26	20.16	21.50
	25	0	64QAM	20.31	20.27	20.06	21.50

Channel				23025	23095	23165	Tune-up power(dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	1	0	QPSK	23.35	23.39	23.33	24.50
		8	QPSK	23.16	23.05	22.99	24.50
		14	QPSK	23.18	23.05	22.89	24.50
	8	0	QPSK	22.38	22.40	22.29	23.50
		4	QPSK	22.23	22.21	22.22	23.50
		7	QPSK	22.18	22.17	22.19	23.50
	15	0	QPSK	22.28	22.22	22.25	23.50
3	1	0	16QAM	22.42	22.94	22.29	23.50
		8	16QAM	22.43	22.78	22.39	23.50
		14	16QAM	22.22	22.75	22.16	23.50
	8	0	16QAM	21.45	21.48	21.39	22.50
		4	16QAM	21.41	21.43	21.39	22.50
		7	16QAM	21.41	21.29	21.34	22.50
	15	0	16QAM	21.44	21.36	21.42	22.50
3	1	0	64QAM	21.28	21.46	21.18	22.50
		8	64QAM	21.21	21.31	21.12	22.50
		14	64QAM	21.19	21.17	21.07	22.50
	8	0	64QAM	20.33	20.42	20.19	21.50
		4	64QAM	20.25	20.22	20.21	21.50
		7	64QAM	20.21	20.31	20.07	21.50
	15	0	64QAM	20.20	20.33	20.05	21.50
Channel				23017	23095	23173	Tune-up power(dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	1	0	QPSK	23.33	23.41	23.34	24.50
		3	QPSK	23.18	23.26	23.22	24.50
		5	QPSK	23.28	23.24	23.13	24.50
	3	0	QPSK	22.35	22.43	22.30	23.50
		1	QPSK	22.35	22.17	22.14	23.50
		3	QPSK	22.22	22.22	22.17	23.50
	6	0	QPSK	22.31	22.22	22.26	23.50
1.4	1	0	16QAM	22.40	22.92	22.35	23.50
		3	16QAM	22.34	22.87	22.43	23.50
		5	16QAM	22.24	22.73	22.16	23.50
	3	0	16QAM	21.33	21.46	21.41	22.50
		1	16QAM	21.45	21.39	21.48	22.50
		3	16QAM	21.33	21.31	21.42	22.50
	6	0	16QAM	21.40	21.31	21.43	22.50
1.4	1	0	64QAM	21.23	21.36	21.14	22.50
		3	64QAM	21.20	21.26	21.19	22.50
		5	64QAM	21.20	21.10	21.01	22.50
	3	0	64QAM	20.23	20.31	20.29	21.50
		1	64QAM	20.22	20.29	20.29	21.50
		3	64QAM	20.26	20.27	20.13	21.50
	6	0	64QAM	20.21	20.25	20.03	21.50

8.1.5 LTE Band12 Output Power

LTE B12 Full Power ANT4-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	1	0	QPSK	20.41	20.46	20.33	21.50
		25	QPSK	20.29	20.28	20.18	21.50
		49	QPSK	20.36	20.31	20.12	21.50
	25	0	QPSK	19.41	19.43	19.37	20.50
		12	QPSK	19.36	19.27	19.20	20.50
		25	QPSK	19.23	19.15	19.13	20.50
	50	0	QPSK	19.34	19.26	19.22	20.50
10	1	0	16QAM	19.48	19.90	19.40	20.50
		25	16QAM	19.45	19.86	19.35	20.50
		49	16QAM	19.29	19.72	19.20	20.50
	25	0	16QAM	18.39	18.50	18.49	19.50
		12	16QAM	18.47	18.41	18.46	19.50
		25	16QAM	18.46	18.29	18.41	19.50
	50	0	16QAM	18.40	18.34	18.47	19.50
10	1	0	64QAM	18.27	18.41	18.18	19.50
		25	64QAM	18.30	18.27	18.19	19.50
		49	64QAM	18.29	18.18	18.11	19.50
	25	0	64QAM	17.26	17.37	17.31	18.50
		12	64QAM	17.28	17.26	17.27	18.50
		25	64QAM	17.24	17.28	17.14	18.50
	50	0	64QAM	17.25	17.34	17.10	18.50
Channel				23035	23095	23155	Tune-up power(dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	1	0	QPSK	20.44	20.42	20.27	21.50
		12	QPSK	20.29	20.28	20.23	21.50
		24	QPSK	20.38	20.31	20.14	21.50
	12	0	QPSK	19.40	19.41	19.39	20.50
		7	QPSK	19.33	19.26	19.22	20.50
		13	QPSK	19.23	19.15	19.13	20.50
	25	0	QPSK	19.27	19.25	19.21	20.50
5	1	0	16QAM	19.42	19.96	19.40	20.50
		12	16QAM	19.42	19.92	19.36	20.50
		24	16QAM	19.35	19.73	19.22	20.50
	12	0	16QAM	18.42	18.43	18.49	19.50
		7	16QAM	18.45	18.38	18.48	19.50
		13	16QAM	18.39	18.31	18.46	19.50
	25	0	16QAM	18.45	18.38	18.47	19.50
5	1	0	64QAM	18.23	18.45	18.17	19.50
		12	64QAM	18.27	18.28	18.18	19.50
		24	64QAM	18.26	18.17	18.13	19.50
	12	0	64QAM	17.32	17.40	17.33	18.50
		7	64QAM	17.33	17.31	17.31	18.50
		13	64QAM	17.27	17.30	17.18	18.50
	25	0	64QAM	17.24	17.34	17.11	18.50

Channel				23025	23095	23165	Tune-up power(dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	1	0	QPSK	20.39	20.41	20.34	21.50
		8	QPSK	20.33	20.31	20.20	21.50
		14	QPSK	20.32	20.33	20.12	21.50
	8	0	QPSK	19.37	19.39	19.35	20.50
		4	QPSK	19.30	19.21	19.21	20.50
		7	QPSK	19.21	19.19	19.15	20.50
	15	0	QPSK	19.28	19.19	19.25	20.50
3	1	0	16QAM	19.40	19.93	19.36	20.50
		8	16QAM	19.47	19.87	19.37	20.50
		14	16QAM	19.35	19.74	19.20	20.50
	8	0	16QAM	18.43	18.42	18.46	19.50
		4	16QAM	18.51	18.45	18.42	19.50
		7	16QAM	18.40	18.33	18.46	19.50
	15	0	16QAM	18.44	18.40	18.47	19.50
3	1	0	64QAM	18.23	18.46	18.18	19.50
		8	64QAM	18.24	18.33	18.25	19.50
		14	64QAM	18.28	18.22	18.11	19.50
	8	0	64QAM	17.25	17.42	17.29	18.50
		4	64QAM	17.28	17.31	17.30	18.50
		7	64QAM	17.26	17.29	17.18	18.50
	15	0	64QAM	17.27	17.29	17.09	18.50
Channel				23017	23095	23173	Tune-up power(dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	1	0	QPSK	20.32	20.40	20.28	21.50
		3	QPSK	20.26	20.25	20.21	21.50
		5	QPSK	20.21	20.22	20.11	21.50
	3	0	QPSK	19.26	19.38	19.24	20.50
		1	QPSK	19.26	19.26	19.25	20.50
		3	QPSK	19.21	19.14	19.16	20.50
	6	0	QPSK	19.24	19.15	19.19	20.50
1.4	1	0	16QAM	19.39	19.87	19.29	20.50
		3	16QAM	19.27	19.83	19.42	20.50
		5	16QAM	19.18	19.65	19.10	20.50
	3	0	16QAM	18.32	18.44	18.39	19.50
		1	16QAM	18.43	18.37	18.42	19.50
		3	16QAM	18.30	18.30	18.35	19.50
	6	0	16QAM	18.36	18.30	18.40	19.50
1.4	1	0	64QAM	18.16	18.33	18.11	19.50
		3	64QAM	18.11	18.19	18.11	19.50
		5	64QAM	18.15	18.02	17.98	19.50
	3	0	64QAM	17.18	17.28	17.20	18.50
		1	64QAM	17.18	17.23	17.21	18.50
		3	64QAM	17.25	17.20	17.05	18.50
	6	0	64QAM	17.12	17.20	17.02	18.50

8.1.6 LTE Band13 Output Power

LTE B13 Full Power ANT4							
BW [MHz]	RB Size	RB Offset	Modulation	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		23.35		24.50
		25	QPSK		23.32		24.50
		49	QPSK		23.30		24.50
	25	0	QPSK		22.40		23.50
		12	QPSK		22.38		23.50
		25	QPSK		22.35		23.50
	50	0	QPSK		22.48		23.50
10	1	0	16QAM		23.05		23.50
		25	16QAM		22.97		23.50
		49	16QAM		22.94		23.50
	25	0	16QAM		21.49		22.50
		12	16QAM		21.43		22.50
		25	16QAM		21.41		22.50
	50	0	16QAM		21.46		22.50
10	1	0	64QAM		21.26		22.50
		25	64QAM		21.19		22.50
		49	64QAM		21.28		22.50
	25	0	64QAM		20.26		21.50
		12	64QAM		20.33		21.50
		25	64QAM		20.25		21.50
	50	0	64QAM		20.20		21.50
Channel				23205	23230	23255	Tune-up
Frequency (MHz)				779.5	782	784.5	power(dBm)
5	1	0	QPSK	23.37	23.43	23.43	24.50
		12	QPSK	23.24	23.36	23.29	24.50
		24	QPSK	23.28	23.29	23.25	24.50
	12	0	QPSK	22.30	22.33	22.38	23.50
		7	QPSK	22.27	22.26	22.35	23.50
		13	QPSK	22.23	22.26	22.31	23.50
25	0	QPSK	22.29	22.18	22.29	23.50	
5	1	0	16QAM	22.50	22.89	22.54	23.50
		12	16QAM	22.42	22.92	22.48	23.50
		24	16QAM	22.50	22.89	22.56	23.50
	12	0	16QAM	21.38	21.47	21.42	22.50
		7	16QAM	21.51	21.53	21.52	22.50
		13	16QAM	21.47	21.55	21.49	22.50
	25	0	16QAM	21.41	21.40	21.40	22.50
5	1	0	64QAM	21.28	21.41	21.38	22.50
		12	64QAM	21.22	21.34	21.34	22.50
		24	64QAM	21.31	21.30	21.19	22.50
	12	0	64QAM	20.36	20.38	20.36	21.50
		7	64QAM	20.31	20.35	20.29	21.50
		13	64QAM	20.12	20.26	20.34	21.50
	25	0	64QAM	20.34	20.40	20.11	21.50

8.1.6 LTE Band13 Output Power

LTE B13 Full Power ANT4-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	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		20.29		21.50
		25	QPSK		20.27		21.50
		49	QPSK		20.23		21.50
	25	0	QPSK		19.33		20.50
		12	QPSK		19.31		20.50
		25	QPSK		19.25		20.50
	50	0	QPSK		19.47		20.50
10	1	0	16QAM		20.03		20.50
		25	16QAM		19.95		20.50
		49	16QAM		19.88		20.50
	25	0	16QAM		18.42		19.50
		12	16QAM		18.37		19.50
		25	16QAM		18.32		19.50
	50	0	16QAM		18.42		19.50
10	1	0	64QAM		18.24		19.50
		25	64QAM		18.16		19.50
		49	64QAM		18.22		19.50
	25	0	64QAM		17.18		18.50
		12	64QAM		17.25		18.50
		25	64QAM		17.17		18.50
	50	0	64QAM		17.12		18.50
Channel				23205	23230	23255	Tune-up power(dBm)
Frequency (MHz)				779.5	782	784.5	
5	1	0	QPSK	20.30	20.34	20.34	21.50
		12	QPSK	20.22	20.29	20.23	21.50
		24	QPSK	20.26	20.22	20.16	21.50
	12	0	QPSK	19.29	19.30	19.33	20.50
		7	QPSK	19.25	19.20	19.29	20.50
		13	QPSK	19.16	19.19	19.28	20.50
25	0	QPSK	19.27	19.18	19.30	20.50	
5	1	0	16QAM	19.41	19.87	19.53	20.50
		12	16QAM	19.35	19.86	19.47	20.50
		24	16QAM	19.46	19.84	19.54	20.50
	12	0	16QAM	18.34	18.40	18.36	19.50
		7	16QAM	18.45	18.45	18.51	19.50
		13	16QAM	18.39	18.53	18.43	19.50
	25	0	16QAM	18.35	18.37	18.32	19.50
5	1	0	64QAM	18.26	18.36	18.29	19.50
		12	64QAM	18.18	18.26	18.29	19.50
		24	64QAM	18.24	18.22	18.16	19.50
	12	0	64QAM	17.32	17.36	17.34	18.50
		7	64QAM	17.29	17.34	17.28	18.50
		13	64QAM	17.05	17.19	17.31	18.50
	25	0	64QAM	17.25	17.36	17.05	18.50

8.1.7 LTE Band14 Output Power

LTE B14 Full Power ANT4							
BW [MHz]	RB Size	RB Offset	Modulation	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			Tune-up limit (dBm)
Frequency (MHz)				793			
10	1	0	QPSK		23.48		24.50
		25	QPSK		23.45		24.50
		49	QPSK		23.41		24.50
	25	0	QPSK		22.47		23.50
		12	QPSK		22.43		23.50
		25	QPSK		22.46		23.50
	50	0	QPSK		22.45		23.50
10	1	0	16QAM		22.62		23.50
		25	16QAM		22.57		23.50
		49	16QAM		22.53		23.50
	25	0	16QAM		21.57		22.50
		12	16QAM		21.54		22.50
		25	16QAM		21.55		22.50
	50	0	16QAM		21.51		22.50
10	1	0	64QAM		21.33		22.50
		25	64QAM		21.36		22.50
		49	64QAM		21.30		22.50
	25	0	64QAM		20.47		21.50
		12	64QAM		20.43		21.50
		25	64QAM		20.43		21.50
	50	0	64QAM		20.27		21.50
Channel				23305	23330	23355	Tune-up power(dBm)
Frequency (MHz)				790.5	793	795.5	
5	1	0	QPSK	23.37	23.44	23.33	24.50
		12	QPSK	23.39	23.33	23.39	24.50
		24	QPSK	23.39	23.28	23.37	24.50
	12	0	QPSK	22.35	22.44	22.39	23.50
		7	QPSK	22.35	22.37	22.35	23.50
		13	QPSK	22.33	22.40	22.37	23.50
25	0	QPSK	22.41	22.40	22.39	23.50	
5	1	0	16QAM	22.49	22.54	22.48	23.50
		12	16QAM	22.52	22.53	22.46	23.50
		24	16QAM	22.40	22.47	22.45	23.50
	12	0	16QAM	21.52	21.49	21.48	22.50
		7	16QAM	21.39	21.40	21.43	22.50
		13	16QAM	21.41	21.46	21.53	22.50
25	0	16QAM	21.36	21.50	21.47	22.50	
5	1	0	64QAM	21.24	21.30	21.27	22.50
		12	64QAM	21.34	21.25	21.33	22.50
		24	64QAM	21.28	21.15	21.24	22.50
	12	0	64QAM	20.38	20.45	20.42	21.50
		7	64QAM	20.36	20.28	20.31	21.50
		13	64QAM	20.41	20.40	20.32	21.50
	25	0	64QAM	20.18	20.24	20.20	21.50

8.1.7 LTE Band14 Output Power

LTE B14 Full Power ANT4-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	1	0	QPSK		20.39		21.50
		25	QPSK		20.33		21.50
		49	QPSK		20.31		21.50
	25	0	QPSK		19.38		20.50
		12	QPSK		19.26		20.50
		25	QPSK		19.33		20.50
	50	0	QPSK		19.37		20.50
10	1	0	16QAM		19.56		20.50
		25	16QAM		19.50		20.50
		49	16QAM		19.50		20.50
	25	0	16QAM		18.53		19.50
		12	16QAM		18.47		19.50
		25	16QAM		18.54		19.50
	50	0	16QAM		18.45		19.50
10	1	0	64QAM		18.25		19.50
		25	64QAM		18.35		19.50
		49	64QAM		18.22		19.50
	25	0	64QAM		17.46		18.50
		12	64QAM		17.41		18.50
		25	64QAM		17.37		18.50
	50	0	64QAM		17.22		18.50
Channel				23305	23330	23355	Tune-up power(dBm)
Frequency (MHz)				790.5	793	795.5	
5	1	0	QPSK	20.36	20.35	20.29	21.50
		12	QPSK	20.32	20.29	20.30	21.50
		24	QPSK	20.30	20.21	20.31	21.50
	12	0	QPSK	19.31	19.36	19.38	20.50
		7	QPSK	19.33	19.34	19.29	20.50
		13	QPSK	19.31	19.23	19.33	20.50
25	0	QPSK	19.37	19.39	19.31	20.50	
5	1	0	16QAM	19.42	19.46	19.40	20.50
		12	16QAM	19.49	19.46	19.40	20.50
		24	16QAM	19.32	19.38	19.43	20.50
	12	0	16QAM	18.44	18.47	18.43	19.50
		7	16QAM	18.36	18.37	18.42	19.50
		13	16QAM	18.36	18.40	18.47	19.50
	25	0	16QAM	18.35	18.46	18.45	19.50
5	1	0	64QAM	18.19	18.29	18.21	19.50
		12	64QAM	18.31	18.20	18.28	19.50
		24	64QAM	18.24	18.13	18.18	19.50
	12	0	64QAM	17.35	17.36	17.33	18.50
		7	64QAM	17.31	17.22	17.27	18.50
		13	64QAM	17.38	17.37	17.25	18.50
	25	0	64QAM	17.14	17.19	17.15	18.50

8.1.8 LTE Band17 Output Power

LTE B17 Full Power ANT4							
BW [MHz]	RB Size	RB Offset	Modulation	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	1	0	QPSK	23.31	23.37	23.34	24.50
		25	QPSK	23.23	23.18	23.21	24.50
		49	QPSK	23.16	23.28	23.15	24.50
	25	0	QPSK	22.34	22.33	22.36	23.50
		12	QPSK	22.20	22.18	22.15	23.50
		25	QPSK	22.12	22.15	22.15	23.50
	50	0	QPSK	22.23	22.23	22.16	23.50
10	1	0	16QAM	22.42	22.92	22.51	23.50
		25	16QAM	22.21	22.71	22.40	23.50
		49	16QAM	22.25	22.77	22.27	23.50
	25	0	16QAM	21.41	21.34	21.42	22.50
		12	16QAM	21.46	21.33	21.44	22.50
		25	16QAM	21.35	21.38	21.39	22.50
	50	0	16QAM	21.36	21.37	21.32	22.50
10	1	0	64QAM	21.30	21.34	21.21	22.50
		25	64QAM	21.16	21.07	21.07	22.50
		49	64QAM	21.04	21.13	21.05	22.50
	25	0	64QAM	20.28	20.30	20.27	21.50
		12	64QAM	20.28	20.30	20.23	21.50
		25	64QAM	20.08	20.15	20.18	21.50
	50	0	64QAM	20.02	20.21	20.12	21.50
Channel				23755	23790	23825	Tune-up power(dBm)
Frequency (MHz)				706.5	710	713.5	
5	1	0	QPSK	23.35	23.37	23.36	24.50
		12	QPSK	23.31	23.20	23.33	24.50
		24	QPSK	23.34	23.17	23.32	24.50
	12	0	QPSK	22.45	22.34	22.39	23.50
		7	QPSK	22.24	22.20	22.27	23.50
		13	QPSK	22.11	22.13	22.15	23.50
	25	0	QPSK	22.23	22.21	22.12	23.50
5	1	0	16QAM	22.54	22.93	22.66	23.50
		12	16QAM	22.36	22.85	22.46	23.50
		24	16QAM	22.36	22.78	22.41	23.50
	12	0	16QAM	21.54	21.51	21.47	22.50
		7	16QAM	21.48	21.47	21.48	22.50
		13	16QAM	21.35	21.47	21.43	22.50
	25	0	16QAM	21.40	21.44	21.25	22.50
5	1	0	64QAM	21.17	21.34	21.23	22.50
		12	64QAM	21.18	21.10	21.07	22.50
		24	64QAM	21.11	21.16	21.12	22.50
	12	0	64QAM	20.29	20.28	20.30	21.50
		7	64QAM	20.19	20.25	20.26	21.50
		13	64QAM	20.18	20.16	20.07	21.50
	25	0	64QAM	20.12	20.20	20.11	21.50

8.1.8 LTE Band17 Output Power

LTE B17 Full Power ANT4-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	1	0	QPSK	20.29	20.29	20.25	21.50
		25	QPSK	20.16	20.12	20.12	21.50
		49	QPSK	20.10	20.24	20.08	21.50
	25	0	QPSK	19.27	19.26	19.33	20.50
		12	QPSK	19.12	19.13	19.06	20.50
		25	QPSK	19.07	19.07	19.13	20.50
	50	0	QPSK	19.16	19.20	19.14	20.50
10	1	0	16QAM	19.33	19.87	19.48	20.50
		25	16QAM	19.17	19.69	19.38	20.50
		49	16QAM	19.16	19.75	19.21	20.50
	25	0	16QAM	18.32	18.25	18.33	19.50
		12	16QAM	18.38	18.27	18.38	19.50
		25	16QAM	18.31	18.37	18.38	19.50
	50	0	16QAM	18.34	18.28	18.25	19.50
10	1	0	64QAM	18.28	18.30	18.18	19.50
		25	64QAM	18.15	18.01	18.05	19.50
		49	64QAM	18.03	18.05	17.97	19.50
	25	0	64QAM	17.19	17.21	17.19	18.50
		12	64QAM	17.26	17.28	17.19	18.50
		25	64QAM	17.00	17.06	17.17	18.50
	50	0	64QAM	16.93	17.12	17.03	18.50
Channel				23755	23790	23825	Tune-up power(dBm)
Frequency (MHz)				706.5	710	713.5	
5	1	0	QPSK	20.25	20.33	20.30	21.50
		12	QPSK	20.21	20.14	20.17	21.50
		24	QPSK	20.12	20.20	20.14	21.50
	12	0	QPSK	19.28	19.27	19.31	20.50
		7	QPSK	19.19	19.14	19.12	20.50
		13	QPSK	19.06	19.06	19.12	20.50
	25	0	QPSK	19.17	19.19	19.10	20.50
5	1	0	16QAM	19.38	19.91	19.43	20.50
		12	16QAM	19.12	19.63	19.39	20.50
		24	16QAM	19.23	19.71	19.18	20.50
	12	0	16QAM	18.36	18.26	18.37	19.50
		7	16QAM	18.39	18.31	18.35	19.50
		13	16QAM	18.29	18.32	18.35	19.50
	25	0	16QAM	18.31	18.30	18.27	19.50
5	1	0	64QAM	18.29	18.32	18.18	19.50
		12	64QAM	18.11	18.04	18.00	19.50
		24	64QAM	18.01	18.12	18.02	19.50
	12	0	64QAM	17.20	17.25	17.21	18.50
		7	64QAM	17.23	17.28	17.18	18.50
		13	64QAM	17.00	17.06	17.15	18.50
	25	0	64QAM	16.99	17.14	17.03	18.50

8.1.9 LTE Band25 Output Power

LTE B25 Full Power ANT0							
BW [MHz]	RB Size	RB Offset	Modulation	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	22.50	22.59	22.58	23.50
		49	QPSK	22.43	22.41	22.34	23.50
		99	QPSK	22.40	22.39	22.43	23.50
	50	0	QPSK	21.67	21.72	21.74	22.50
		24	QPSK	21.54	21.53	21.66	22.50
		50	QPSK	21.46	21.58	21.56	22.50
	100	0	QPSK	21.54	21.53	21.66	22.50
20	1	0	16QAM	22.06	22.02	22.04	22.50
		49	16QAM	22.10	22.07	22.04	22.50
		99	16QAM	22.13	22.11	22.03	22.50
	50	0	16QAM	20.66	20.74	20.71	21.50
		24	16QAM	20.75	20.73	20.81	21.50
		50	16QAM	20.66	20.76	20.72	21.50
	100	0	16QAM	20.73	20.75	20.82	21.50
20	1	0	64QAM	20.41	20.58	20.54	21.50
		49	64QAM	20.49	20.50	20.37	21.50
		99	64QAM	20.42	20.42	20.43	21.50
	50	0	64QAM	19.47	19.45	19.54	20.50
		24	64QAM	19.40	19.54	19.51	20.50
		50	64QAM	19.54	19.46	19.43	20.50
	100	0	64QAM	19.45	19.50	19.54	20.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	1	0	QPSK	22.57	22.57	22.58	23.50
		37	QPSK	22.38	22.44	22.43	23.50
		74	QPSK	22.42	22.33	22.33	23.50
	36	0	QPSK	21.66	21.68	21.81	22.50
		20	QPSK	21.48	21.50	21.61	22.50
		39	QPSK	21.50	21.53	21.61	22.50
	75	0	QPSK	21.44	21.46	21.62	22.50
15	1	0	16QAM	21.55	21.99	22.20	22.50
		37	16QAM	21.60	22.10	22.02	22.50
		74	16QAM	21.69	22.08	22.11	22.50
	36	0	16QAM	20.65	20.75	20.69	21.50
		20	16QAM	20.59	20.78	20.75	21.50
		39	16QAM	20.66	20.77	20.75	21.50
	75	0	16QAM	20.59	20.71	20.78	21.50
15	1	0	64QAM	20.36	20.56	20.43	21.50
		37	64QAM	20.49	20.55	20.48	21.50
		74	64QAM	20.53	20.49	20.50	21.50
	36	0	64QAM	19.43	19.54	19.43	20.50
		20	64QAM	19.41	19.57	19.46	20.50
		39	64QAM	19.50	19.42	19.43	20.50
	75	0	64QAM	19.54	19.50	19.52	20.50

Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	1	0	QPSK	22.52	22.44	22.44	23.50
		25	QPSK	22.34	22.32	22.38	23.50
		49	QPSK	22.29	22.43	22.30	23.50
	25	0	QPSK	21.78	21.84	21.87	22.50
		12	QPSK	21.68	21.61	21.70	22.50
		25	QPSK	21.65	21.62	21.69	22.50
	50	0	QPSK	21.77	21.60	21.69	22.50
10	1	0	16QAM	21.68	22.28	21.82	22.50
		25	16QAM	21.75	22.24	21.77	22.50
		49	16QAM	21.83	22.26	21.84	22.50
	25	0	16QAM	20.84	20.88	20.95	21.50
		12	16QAM	20.88	20.84	20.97	21.50
		25	16QAM	20.80	20.83	20.96	21.50
	50	0	16QAM	20.76	20.79	20.91	21.50
10	1	0	64QAM	20.39	20.50	20.51	21.50
		25	64QAM	20.57	20.48	20.34	21.50
		49	64QAM	20.41	20.47	20.49	21.50
	25	0	64QAM	19.35	19.58	19.54	20.50
		12	64QAM	19.42	19.52	19.52	20.50
		25	64QAM	19.49	19.55	19.39	20.50
	50	0	64QAM	19.49	19.51	19.47	20.50
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	1	0	QPSK	22.51	22.55	22.54	23.50
		12	QPSK	22.34	22.30	22.40	23.50
		24	QPSK	22.35	22.31	22.35	23.50
	12	0	QPSK	21.72	21.79	21.86	22.50
		7	QPSK	21.60	21.72	21.68	22.50
		13	QPSK	21.59	21.60	21.68	22.50
	25	0	QPSK	21.62	21.60	21.72	22.50
5	1	0	16QAM	21.93	22.30	21.94	22.50
		12	16QAM	21.86	22.31	21.76	22.50
		24	16QAM	21.94	22.33	21.95	22.50
	12	0	16QAM	20.82	21.01	20.90	21.50
		7	16QAM	20.86	20.99	20.83	21.50
		13	16QAM	20.84	20.93	20.85	21.50
	25	0	16QAM	20.79	20.82	20.73	21.50
5	1	0	64QAM	20.40	20.56	20.52	21.50
		12	64QAM	20.51	20.53	20.48	21.50
		24	64QAM	20.49	20.43	20.52	21.50
	12	0	64QAM	19.38	19.58	19.46	20.50
		7	64QAM	19.48	19.54	19.46	20.50
		13	64QAM	19.53	19.55	19.45	20.50
	25	0	64QAM	19.49	19.50	19.45	20.50

Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	1	0	QPSK	22.36	22.55	22.49	23.50
		8	QPSK	22.29	22.33	22.29	23.50
		14	QPSK	22.31	22.33	22.37	23.50
	8	0	QPSK	21.52	21.63	21.64	22.50
		4	QPSK	21.45	21.46	21.60	22.50
		7	QPSK	21.40	21.49	21.54	22.50
	15	0	QPSK	21.50	21.43	21.59	22.50
3	1	0	16QAM	21.97	21.95	21.92	22.50
		8	16QAM	22.08	22.05	21.98	22.50
		14	16QAM	22.11	22.03	21.96	22.50
	8	0	16QAM	20.53	20.71	20.67	21.50
		4	16QAM	20.73	20.58	20.79	21.50
		7	16QAM	20.58	20.68	20.67	21.50
	15	0	16QAM	20.61	20.68	20.67	21.50
3	1	0	64QAM	20.29	20.47	20.40	21.50
		8	64QAM	20.36	20.47	20.31	21.50
		14	64QAM	20.29	20.38	20.42	21.50
	8	0	64QAM	19.38	19.39	19.47	20.50
		4	64QAM	19.31	19.40	19.42	20.50
		7	64QAM	19.39	19.37	19.37	20.50
	15	0	64QAM	19.42	19.40	19.52	20.50
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	1	0	QPSK	22.47	22.58	22.54	23.50
		3	QPSK	22.28	22.35	22.29	23.50
		5	QPSK	22.33	22.37	22.30	23.50
	3	0	QPSK	22.41	22.44	22.55	23.50
		1	QPSK	22.34	22.40	22.23	23.50
		3	QPSK	22.37	22.38	22.33	23.50
	6	0	QPSK	21.40	21.44	21.58	22.50
1.4	1	0	16QAM	21.59	21.63	21.69	22.50
		3	16QAM	21.48	21.61	21.67	22.50
		5	16QAM	21.55	21.68	21.73	22.50
	3	0	16QAM	21.58	21.64	21.70	22.50
		1	16QAM	21.60	21.55	21.66	22.50
		3	16QAM	21.48	21.65	21.61	22.50
	6	0	16QAM	20.57	20.66	20.56	21.50
1.4	1	0	64QAM	20.71	20.68	20.79	21.50
		3	64QAM	20.64	20.65	20.68	21.50
		5	64QAM	20.57	20.62	20.68	21.50
	3	0	64QAM	20.57	20.60	20.60	21.50
		1	64QAM	20.68	20.58	20.72	21.50
		3	64QAM	20.62	20.66	20.67	21.50
	6	0	64QAM	19.40	19.42	19.45	20.50

8.1.9 LTE Band25 Output Power

LTE B25 Full Power ANT0-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	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	19.49	19.50	19.52	20.50
		49	QPSK	19.37	19.36	19.27	20.50
		99	QPSK	19.36	19.36	19.41	20.50
	50	0	QPSK	18.59	18.63	18.66	19.50
		24	QPSK	18.45	18.49	18.59	19.50
		50	QPSK	18.37	18.53	18.53	19.50
	100	0	QPSK	18.52	18.44	18.63	19.50
20	1	0	16QAM	19.01	18.98	18.98	19.50
		49	16QAM	19.06	19.01	18.98	19.50
		99	16QAM	19.08	19.08	18.94	19.50
	50	0	16QAM	17.58	17.72	17.70	18.50
		24	16QAM	17.70	17.66	17.73	18.50
		50	16QAM	17.63	17.71	17.69	18.50
	100	0	16QAM	17.66	17.71	17.79	18.50
20	1	0	64QAM	17.33	17.51	17.47	18.50
		49	64QAM	17.42	17.47	17.30	18.50
		99	64QAM	17.40	17.38	17.37	18.50
	50	0	64QAM	16.38	16.39	16.45	17.50
		24	64QAM	16.39	16.46	16.42	17.50
		50	64QAM	16.48	16.41	16.36	17.50
	100	0	64QAM	16.40	16.43	16.47	17.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	1	0	QPSK	19.43	19.55	19.55	20.50
		37	QPSK	19.35	19.33	19.27	20.50
		74	QPSK	19.37	19.30	19.39	20.50
	36	0	QPSK	18.66	18.66	18.68	19.50
		20	QPSK	18.49	18.50	18.63	19.50
		39	QPSK	18.42	18.53	18.50	19.50
	75	0	QPSK	18.49	18.47	18.65	19.50
15	1	0	16QAM	18.99	18.94	18.96	19.50
		37	16QAM	19.08	19.04	19.01	19.50
		74	16QAM	19.04	19.05	19.00	19.50
	36	0	16QAM	17.59	17.65	17.70	18.50
		20	16QAM	17.74	17.67	17.74	18.50
		39	16QAM	17.58	17.69	17.66	18.50
	75	0	16QAM	17.66	17.74	17.78	18.50
15	1	0	64QAM	17.37	17.55	17.47	18.50
		37	64QAM	17.43	17.46	17.30	18.50
		74	64QAM	17.33	17.40	17.38	18.50
	36	0	64QAM	16.46	16.43	16.47	17.50
		20	64QAM	16.37	16.47	16.47	17.50
		39	64QAM	16.49	16.43	16.34	17.50
	75	0	64QAM	16.36	16.42	16.53	17.50

Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	1	0	QPSK	19.47	19.51	19.56	20.50
		25	QPSK	19.42	19.38	19.26	20.50
		49	QPSK	19.32	19.34	19.38	20.50
	25	0	QPSK	18.66	18.65	18.69	19.50
		12	QPSK	18.52	18.47	18.63	19.50
		25	QPSK	18.42	18.54	18.52	19.50
	50	0	QPSK	18.45	18.50	18.57	19.50
10	1	0	16QAM	19.04	19.01	19.03	19.50
		25	16QAM	19.03	19.03	18.95	19.50
		49	16QAM	19.12	19.09	18.95	19.50
	25	0	16QAM	17.62	17.67	17.68	18.50
		12	16QAM	17.71	17.64	17.76	18.50
		25	16QAM	17.64	17.75	17.63	18.50
	50	0	16QAM	17.71	17.73	17.77	18.50
10	1	0	64QAM	17.40	17.53	17.45	18.50
		25	64QAM	17.41	17.46	17.31	18.50
		49	64QAM	17.41	17.35	17.35	18.50
	25	0	64QAM	16.39	16.39	16.47	17.50
		12	64QAM	16.39	16.50	16.43	17.50
		25	64QAM	16.53	16.45	16.35	17.50
	50	0	64QAM	16.43	16.49	16.51	17.50
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	1	0	QPSK	19.47	19.51	19.51	20.50
		12	QPSK	19.41	19.38	19.32	20.50
		24	QPSK	19.38	19.35	19.37	20.50
	12	0	QPSK	18.61	18.69	18.65	19.50
		7	QPSK	18.52	18.44	18.59	19.50
		13	QPSK	18.37	18.57	18.51	19.50
	25	0	QPSK	18.52	18.49	18.57	19.50
5	1	0	16QAM	19.02	18.96	18.96	19.50
		12	16QAM	19.04	19.01	18.97	19.50
		24	16QAM	19.09	19.10	18.95	19.50
	12	0	16QAM	17.65	17.72	17.65	18.50
		7	16QAM	17.70	17.64	17.77	18.50
		13	16QAM	17.61	17.71	17.64	18.50
	25	0	16QAM	17.72	17.72	17.77	18.50
5	1	0	64QAM	17.35	17.56	17.46	18.50
		12	64QAM	17.42	17.44	17.29	18.50
		24	64QAM	17.33	17.33	17.38	18.50
	12	0	64QAM	16.41	16.37	16.51	17.50
		7	64QAM	16.35	16.45	16.42	17.50
		13	64QAM	16.52	16.40	16.41	17.50
	25	0	64QAM	16.43	16.44	16.50	17.50

Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	1	0	QPSK	19.48	19.56	19.53	20.50
		8	QPSK	19.38	19.39	19.28	20.50
		14	QPSK	19.38	19.34	19.42	20.50
	8	0	QPSK	18.60	18.68	18.71	19.50
		4	QPSK	18.52	18.46	18.61	19.50
		7	QPSK	18.44	18.53	18.53	19.50
	15	0	QPSK	18.53	18.48	18.60	19.50
3	1	0	16QAM	19.01	19.00	18.98	19.50
		8	16QAM	19.05	19.02	18.98	19.50
		14	16QAM	19.11	19.04	19.00	19.50
	8	0	16QAM	17.59	17.67	17.68	18.50
		4	16QAM	17.68	17.71	17.77	18.50
		7	16QAM	17.58	17.71	17.69	18.50
	15	0	16QAM	17.69	17.66	17.76	18.50
3	1	0	64QAM	17.37	17.53	17.49	18.50
		8	64QAM	17.40	17.41	17.36	18.50
		14	64QAM	17.39	17.40	17.37	18.50
	8	0	64QAM	16.38	16.44	16.53	17.50
		4	64QAM	16.35	16.52	16.42	17.50
		7	64QAM	16.46	16.43	16.41	17.50
	15	0	64QAM	16.42	16.46	16.50	17.50
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	1	0	QPSK	19.46	19.56	19.49	20.50
		3	QPSK	19.26	19.29	19.21	20.50
		5	QPSK	19.24	19.32	19.29	20.50
	3	0	QPSK	19.32	19.36	19.49	20.50
		1	QPSK	19.30	19.31	19.14	20.50
		3	QPSK	19.35	19.32	19.24	20.50
	6	0	QPSK	18.31	18.38	18.53	19.50
1.4	1	0	16QAM	18.56	18.59	18.65	19.50
		3	16QAM	18.47	18.53	18.66	19.50
		5	16QAM	18.52	18.60	18.69	19.50
	3	0	16QAM	18.54	18.55	18.68	19.50
		1	16QAM	18.59	18.52	18.58	19.50
		3	16QAM	18.45	18.56	18.55	19.50
	6	0	16QAM	17.53	17.64	17.55	18.50
1.4	1	0	64QAM	17.67	17.67	17.73	18.50
		3	64QAM	17.56	17.57	17.62	18.50
		5	64QAM	17.54	17.56	17.59	18.50
	3	0	64QAM	17.51	17.52	17.53	18.50
		1	64QAM	17.63	17.53	17.65	18.50
		3	64QAM	17.53	17.62	17.59	18.50
	6	0	64QAM	16.34	16.37	16.43	17.50

8.1.10 LTE Band26 Output Power

LTE B26 Full Power ANT4							
BW [MHz]	RB Size	RB Offset	Modulation	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	23.35	23.49	23.40	24.50
		37	QPSK	23.34	23.39	23.33	24.50
		74	QPSK	23.34	23.37	23.36	24.50
	36	0	QPSK	22.38	22.42	22.43	23.50
		20	QPSK	22.33	22.23	22.25	23.50
		39	QPSK	22.32	22.37	22.32	23.50
	75	0	QPSK	22.34	22.26	22.29	23.50
15	1	0	16QAM	22.38	22.65	22.80	23.50
		37	16QAM	22.34	22.78	22.74	23.50
		74	16QAM	22.40	22.73	22.69	23.50
	36	0	16QAM	21.42	21.46	21.42	22.50
		20	16QAM	21.49	21.47	21.40	22.50
		39	16QAM	21.48	21.57	21.43	22.50
	75	0	16QAM	21.48	21.43	21.41	22.50
15	1	0	64QAM	21.23	21.47	21.38	22.50
		37	64QAM	21.20	21.25	21.24	22.50
		74	64QAM	21.19	21.33	21.31	22.50
	36	0	64QAM	20.21	20.42	20.33	21.50
		20	64QAM	20.23	20.48	20.25	21.50
		39	64QAM	20.21	20.33	20.28	21.50
	75	0	64QAM	20.24	20.28	20.32	21.50
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	1	0	QPSK	23.45	23.48	23.46	24.50
		25	QPSK	23.22	23.36	23.29	24.50
		49	QPSK	23.22	23.37	23.34	24.50
	25	0	QPSK	22.58	22.55	22.54	23.50
		12	QPSK	22.43	22.41	22.36	23.50
		25	QPSK	22.40	22.43	22.42	23.50
	50	0	QPSK	22.42	22.37	22.42	23.50
10	1	0	16QAM	22.45	22.98	22.55	23.50
		25	16QAM	22.49	22.93	22.51	23.50
		49	16QAM	22.40	22.92	22.50	23.50
	25	0	16QAM	21.63	21.57	21.64	22.50
		12	16QAM	21.64	21.51	21.63	22.50
		25	16QAM	21.57	21.65	21.67	22.50
	50	0	16QAM	21.55	21.51	21.59	22.50
10	1	0	64QAM	21.20	21.43	21.34	22.50
		25	64QAM	21.28	21.37	21.22	22.50
		49	64QAM	21.31	21.35	21.31	22.50
	25	0	64QAM	20.25	20.43	20.34	21.50
		12	64QAM	20.25	20.39	20.39	21.50
		25	64QAM	20.21	20.30	20.22	21.50
	50	0	64QAM	20.22	20.24	20.31	21.50

Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	1	0	QPSK	23.48	23.49	23.36	24.50
		12	QPSK	23.33	23.32	23.30	24.50
		24	QPSK	23.25	23.35	23.27	24.50
	12	0	QPSK	22.53	22.49	22.62	23.50
		7	QPSK	22.42	22.38	22.46	23.50
		13	QPSK	22.39	22.42	22.43	23.50
	25	0	QPSK	22.42	22.37	22.42	23.50
5	1	0	16QAM	22.68	23.04	22.66	23.50
		12	16QAM	22.63	23.05	22.50	23.50
		24	16QAM	22.59	23.03	22.64	23.50
	12	0	16QAM	21.64	21.65	21.63	22.50
		7	16QAM	21.63	21.68	21.60	22.50
		13	16QAM	21.61	21.76	21.63	22.50
	25	0	16QAM	21.60	21.54	21.53	22.50
5	1	0	64QAM	21.22	21.47	21.33	22.50
		12	64QAM	21.25	21.28	21.22	22.50
		24	64QAM	21.25	21.22	21.22	22.50
	12	0	64QAM	20.25	20.40	20.29	21.50
		7	64QAM	20.26	20.44	20.33	21.50
		13	64QAM	20.32	20.29	20.28	21.50
	25	0	64QAM	20.33	20.30	20.25	21.50
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	1	0	QPSK	23.45	23.43	23.30	24.50
		8	QPSK	23.24	23.30	23.23	24.50
		14	QPSK	23.22	23.32	23.24	24.50
	8	0	QPSK	22.49	22.47	22.57	23.50
		4	QPSK	22.40	22.31	22.39	23.50
		7	QPSK	22.30	22.36	22.38	23.50
	15	0	QPSK	22.34	22.34	22.35	23.50
3	1	0	16QAM	22.66	23.01	22.57	23.50
		8	16QAM	22.55	23.00	22.41	23.50
		14	16QAM	22.56	22.94	22.61	23.50
	8	0	16QAM	21.59	21.59	21.57	22.50
		4	16QAM	21.61	21.60	21.59	22.50
		7	16QAM	21.52	21.68	21.54	22.50
	15	0	16QAM	21.52	21.50	21.45	22.50
3	1	0	64QAM	21.21	21.42	21.26	22.50
		8	64QAM	21.16	21.27	21.20	22.50
		14	64QAM	21.22	21.19	21.19	22.50
	8	0	64QAM	20.18	20.31	20.24	21.50
		4	64QAM	20.25	20.41	20.29	21.50
		7	64QAM	20.26	20.28	20.21	21.50
	15	0	64QAM	20.26	20.28	20.19	21.50
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	1	0	QPSK	23.46	23.41	23.29	24.50
		3	QPSK	23.24	23.23	23.23	24.50
		5	QPSK	23.22	23.31	23.22	24.50
	3	0	QPSK	23.33	23.30	23.44	24.50
		1	QPSK	23.27	23.21	23.30	24.50
		3	QPSK	23.19	23.23	23.29	24.50
	6	0	QPSK	22.48	22.46	22.50	23.50
1.4	1	0	16QAM	22.64	23.00	22.62	23.50
		3	16QAM	22.59	23.02	22.46	23.50
		5	16QAM	22.52	22.96	22.62	23.50
	3	0	16QAM	22.43	22.51	22.47	23.50
		1	16QAM	22.45	22.51	22.44	23.50
		3	16QAM	22.41	22.60	22.44	23.50
	6	0	16QAM	21.58	21.51	21.50	22.50
1.4	1	0	64QAM	21.16	21.43	21.25	22.50
		3	64QAM	21.17	21.26	21.20	22.50
		5	64QAM	21.17	21.15	21.19	22.50
	3	0	64QAM	20.20	20.37	20.26	22.50
		1	64QAM	20.25	20.39	20.25	22.50
		3	64QAM	20.24	20.28	20.22	22.50
	6	0	64QAM	20.31	20.26	20.19	21.50

8.1.10 LTE Band26 Output Power

LTE B26 Full Power ANT4-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	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	20.31	20.41	20.35	21.50
		37	QPSK	20.30	20.33	20.30	21.50
		74	QPSK	20.29	20.32	20.35	21.50
	36	0	QPSK	19.32	19.41	19.39	20.50
		20	QPSK	19.27	19.17	19.17	20.50
		39	QPSK	19.29	19.29	19.24	20.50
	75	0	QPSK	19.32	19.20	19.28	20.50
15	1	0	16QAM	19.37	19.56	19.76	20.50
		37	16QAM	19.25	19.75	19.72	20.50
		74	16QAM	19.35	19.71	19.64	20.50
	36	0	16QAM	18.41	18.44	18.37	19.50
		20	16QAM	18.43	18.40	18.31	19.50
		39	16QAM	18.47	18.50	18.39	19.50
	75	0	16QAM	18.42	18.36	18.40	19.50
15	1	0	64QAM	18.14	18.38	18.30	19.50
		37	64QAM	18.12	18.24	18.15	19.50
		74	64QAM	18.14	18.27	18.25	19.50
	36	0	64QAM	17.14	17.33	17.28	18.50
		20	64QAM	17.21	17.39	17.22	18.50
		39	64QAM	17.14	17.24	17.20	18.50
	75	0	64QAM	17.23	17.21	17.27	18.50
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	1	0	QPSK	20.26	20.42	20.38	21.50
		25	QPSK	20.17	20.15	20.14	21.50
		49	QPSK	20.17	20.19	20.13	21.50
	25	0	QPSK	19.31	19.41	19.38	20.50
		12	QPSK	19.25	19.18	19.22	20.50
		25	QPSK	19.23	19.33	19.23	20.50
50	0	QPSK	19.26	19.25	19.23	20.50	
10	1	0	16QAM	19.30	19.62	19.78	20.50
		25	16QAM	19.26	19.70	19.66	20.50
		49	16QAM	19.37	19.70	19.63	20.50
	25	0	16QAM	18.33	18.39	18.39	19.50
		12	16QAM	18.48	18.46	18.32	19.50
		25	16QAM	18.44	18.55	18.39	19.50
	50	0	16QAM	18.46	18.39	18.35	19.50
10	1	0	64QAM	18.15	18.43	18.35	19.50
		25	64QAM	18.15	18.18	18.15	19.50
		49	64QAM	18.12	18.24	18.28	19.50
	25	0	64QAM	17.16	17.35	17.28	18.50
		12	64QAM	17.18	17.42	17.22	18.50
		25	64QAM	17.16	17.25	17.22	18.50
	50	0	64QAM	17.21	17.23	17.25	18.50

Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	1	0	QPSK	20.31	20.42	20.32	21.50
		12	QPSK	20.11	20.18	20.11	21.50
		24	QPSK	20.18	20.21	20.18	21.50
	12	0	QPSK	19.32	19.33	19.42	20.50
		7	QPSK	19.24	19.15	19.19	20.50
		13	QPSK	19.23	19.29	19.30	20.50
	25	0	QPSK	19.26	19.17	19.25	20.50
5	1	0	16QAM	19.31	19.62	19.72	20.50
		12	16QAM	19.31	19.76	19.70	20.50
		24	16QAM	19.35	19.64	19.64	20.50
	12	0	16QAM	18.37	18.39	18.41	19.50
		7	16QAM	18.43	18.42	18.36	19.50
		13	16QAM	18.45	18.53	18.35	19.50
	25	0	16QAM	18.45	18.41	18.36	19.50
5	1	0	64QAM	18.19	18.40	18.32	19.50
		12	64QAM	18.16	18.23	18.23	19.50
		24	64QAM	18.11	18.32	18.23	19.50
	12	0	64QAM	17.15	17.33	17.24	18.50
		7	64QAM	17.14	17.45	17.22	18.50
		13	64QAM	17.15	17.26	17.22	18.50
	25	0	64QAM	17.21	17.27	17.30	18.50
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	1	0	QPSK	20.34	20.47	20.35	21.50
		8	QPSK	20.11	20.18	20.17	21.50
		14	QPSK	20.18	20.15	20.13	21.50
	8	0	QPSK	19.35	19.35	19.39	20.50
		4	QPSK	19.24	19.20	19.16	20.50
		7	QPSK	19.25	19.34	19.29	20.50
	15	0	QPSK	19.33	19.25	19.20	20.50
3	1	0	16QAM	19.36	19.64	19.74	20.50
		8	16QAM	19.32	19.75	19.65	20.50
		14	16QAM	19.33	19.69	19.67	20.50
	8	0	16QAM	18.41	18.39	18.39	19.50
		4	16QAM	18.42	18.44	18.31	19.50
		7	16QAM	18.46	18.52	18.37	19.50
	15	0	16QAM	18.45	18.42	18.32	19.50
3	1	0	64QAM	18.16	18.38	18.35	19.50
		8	64QAM	18.13	18.20	18.16	19.50
		14	64QAM	18.11	18.30	18.30	19.50
	8	0	64QAM	17.19	17.37	17.32	18.50
		4	64QAM	17.15	17.44	17.17	18.50
		7	64QAM	17.20	17.28	17.22	18.50
	15	0	64QAM	17.18	17.24	17.25	18.50
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	1	0	QPSK	20.42	20.33	20.20	21.50
		3	QPSK	20.17	20.17	20.15	21.50
		5	QPSK	20.20	20.24	20.17	21.50
	3	0	QPSK	20.29	20.21	20.22	21.50
		1	QPSK	20.23	20.19	20.26	21.50
		3	QPSK	20.15	20.15	20.23	21.50
	6	0	QPSK	19.45	19.43	19.45	20.50
1.4	1	0	16QAM	19.60	19.91	19.55	20.50
		3	16QAM	19.50	19.98	19.38	20.50
		5	16QAM	19.44	19.94	19.59	20.50
	3	0	16QAM	19.35	19.43	19.44	20.50
		1	16QAM	19.36	19.42	19.37	20.50
		3	16QAM	19.34	19.56	19.37	20.50
	6	0	16QAM	18.55	18.42	18.49	19.50
1.4	1	0	64QAM	18.14	18.38	18.22	19.50
		3	64QAM	18.08	18.20	18.13	19.50
		5	64QAM	18.14	18.14	18.13	19.50
	3	0	64QAM	17.16	17.33	17.17	19.50
		1	64QAM	17.23	17.31	17.19	19.50
		3	64QAM	17.19	17.21	17.14	19.50
	6	0	64QAM	17.22	17.25	17.16	18.50

8.1.11 LTE Band30 Output Power

LTE B30 Full Power ANT0								
BW [MHz]	RB Size	RB Offset	Modulation	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	
Channel				27710				
Frequency (MHz)				2310				
10	1	0	QPSK		23.03		24.00	
		25	QPSK		23.01		24.00	
		49	QPSK		23.00		24.00	
	25	0	QPSK		22.06		23.00	
		12	QPSK		22.01		23.00	
		25	QPSK		22.02		23.00	
	50	0	QPSK		22.12		23.00	
10	1	0	16QAM		22.38	23.00		
		25	16QAM		22.31	23.00		
		49	16QAM		22.36	23.00		
	25	0	16QAM		21.13	22.00		
		12	16QAM		21.14	22.00		
		25	16QAM		21.16	22.00		
	50	0	16QAM		21.18	22.00		
10	1	0	64QAM		20.99	22.00		
		25	64QAM		20.96	22.00		
		49	64QAM		20.98	22.00		
	25	0	64QAM		19.89	21.00		
		12	64QAM		19.88	21.00		
		25	64QAM		19.94	21.00		
	50	0	64QAM		19.87	21.00		
Channel					27685	27710	27735	Tune-up power(dBm)
Frequency (MHz)					2307.5	2310	2312.5	
5	1	0	QPSK		22.94	23.02	22.99	24.00
		12	QPSK		22.97	22.93	22.89	24.00
		24	QPSK		22.96	22.94	22.99	24.00
	12	0	QPSK		22.01	22.05	21.98	23.00
		7	QPSK	21.96	22.00	21.96	23.00	
		13	QPSK	21.96	21.98	22.02	23.00	
	25	0	QPSK	21.97	22.01	22.03	23.00	
5	1	0	16QAM	22.37	22.32	22.27	23.00	
		12	16QAM	22.21	22.19	22.27	23.00	
		24	16QAM	22.23	22.31	22.25	23.00	
	12	0	16QAM	21.11	21.03	21.00	22.00	
		7	16QAM	21.01	21.08	21.10	22.00	
		13	16QAM	21.08	21.01	21.06	22.00	
	25	0	16QAM	21.16	21.07	21.06	22.00	
5	1	0	64QAM	20.87	20.86	20.92	22.00	
		12	64QAM	20.91	20.93	20.93	22.00	
		24	64QAM	20.92	20.95	20.87	22.00	
	12	0	64QAM	19.88	19.75	19.88	21.00	
		7	64QAM	19.78	19.84	19.74	21.00	
		13	64QAM	19.80	19.92	19.92	21.00	
	25	0	64QAM	19.85	19.72	19.85	21.00	

8.1.11 LTE Band30 Output Power

LTE B30 Full Power ANT0-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	1	0	QPSK		20.02		21.00
		25	QPSK		19.96		21.00
		49	QPSK		19.98		21.00
	25	0	QPSK		19.02		20.00
		12	QPSK		18.97		20.00
		25	QPSK		18.95		20.00
	50	0	QPSK		19.10		20.00
10	1	0	16QAM		19.33		20.00
		25	16QAM		19.27		20.00
		49	16QAM		19.32		20.00
	25	0	16QAM		18.10		19.00
		12	16QAM		18.10		19.00
		25	16QAM		18.09		19.00
	50	0	16QAM		18.15		19.00
10	1	0	64QAM		17.90		19.00
		25	64QAM		17.95		19.00
		49	64QAM		17.90		19.00
	25	0	64QAM		16.88		18.00
		12	64QAM		16.82		18.00
		25	64QAM		16.85		18.00
	50	0	64QAM		16.82		18.00
Channel				27685	27710	27735	Tune-up power(dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	1	0	QPSK	19.86	19.99	19.96	21.00
		12	QPSK	19.92	19.90	19.84	21.00
		24	QPSK	19.87	19.88	19.93	21.00
	12	0	QPSK	18.92	19.02	18.94	20.00
		7	QPSK	19.00	18.90	18.95	20.00
		13	QPSK	18.95	18.93	18.96	20.00
	25	0	QPSK	18.92	18.96	18.98	20.00
5	1	0	16QAM	19.30	19.26	19.25	20.00
		12	16QAM	19.15	19.12	19.19	20.00
		24	16QAM	19.15	19.29	19.24	20.00
	12	0	16QAM	18.05	17.99	17.96	19.00
		7	16QAM	17.94	18.03	18.06	19.00
		13	16QAM	18.05	17.99	18.00	19.00
	25	0	16QAM	18.07	18.02	18.03	19.00
5	1	0	64QAM	17.79	17.77	17.84	19.00
		12	64QAM	17.90	17.92	17.91	19.00
		24	64QAM	17.85	17.88	17.79	19.00
	12	0	64QAM	16.87	16.67	16.81	18.00
		7	64QAM	16.74	16.78	16.65	18.00
		13	64QAM	16.72	16.91	16.84	18.00
	25	0	64QAM	16.79	16.71	16.83	18.00

8.1.12 LTE Band66 Output Power

LTE B66 Full Power ANT0							
BW [MHz]	RB Size	RB Offset	Modulation	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	22.66	22.79	22.71	23.50
		49	QPSK	22.51	22.59	22.51	23.50
		99	QPSK	22.62	22.59	22.51	23.50
	50	0	QPSK	21.86	21.84	21.77	22.50
		24	QPSK	21.66	21.61	21.62	22.50
		50	QPSK	21.62	21.60	21.60	22.50
	100	0	QPSK	21.63	21.60	21.62	22.50
20	1	0	16QAM	22.36	22.29	22.13	22.50
		49	16QAM	22.34	22.18	22.08	22.50
		99	16QAM	22.34	22.25	22.05	22.50
	50	0	16QAM	20.90	20.83	20.72	21.50
		24	16QAM	20.77	20.77	20.77	21.50
		50	16QAM	20.80	20.76	20.72	21.50
	100	0	16QAM	20.81	20.79	20.79	21.50
20	1	0	64QAM	20.54	20.64	20.62	21.50
		49	64QAM	20.55	20.71	20.57	21.50
		99	64QAM	20.66	20.66	20.51	21.50
	50	0	64QAM	19.54	19.65	19.63	20.50
		24	64QAM	19.62	19.76	19.69	20.50
		50	64QAM	19.59	19.71	19.65	20.50
	100	0	64QAM	19.67	19.67	19.51	20.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	1	0	QPSK	22.71	22.77	22.75	23.50
		37	QPSK	22.52	22.59	22.55	23.50
		74	QPSK	22.60	22.61	22.57	23.50
	36	0	QPSK	21.86	21.83	21.79	22.50
		20	QPSK	21.66	21.60	21.63	22.50
		39	QPSK	21.61	21.60	21.53	22.50
	75	0	QPSK	21.61	21.59	21.64	22.50
15	1	0	16QAM	21.87	22.22	22.24	22.50
		37	16QAM	21.81	22.17	22.29	22.50
		74	16QAM	21.75	22.15	22.20	22.50
	36	0	16QAM	20.87	20.85	20.76	21.50
		20	16QAM	20.81	20.79	20.74	21.50
		39	16QAM	20.78	20.77	20.68	21.50
	75	0	16QAM	20.74	20.72	20.77	21.50
15	1	0	64QAM	20.58	20.67	20.58	21.50
		37	64QAM	20.51	20.70	20.64	21.50
		74	64QAM	20.62	20.67	20.62	21.50
	36	0	64QAM	19.59	19.77	19.67	20.50
		20	64QAM	19.60	19.74	19.66	20.50
		39	64QAM	19.64	19.68	19.63	20.50
	75	0	64QAM	19.73	19.60	19.59	20.50

Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	1	0	QPSK	22.72	22.75	22.68	23.50
		25	QPSK	22.55	22.53	22.56	23.50
		49	QPSK	22.50	22.51	22.51	23.50
	25	0	QPSK	21.98	21.98	21.87	22.50
		12	QPSK	21.85	21.83	21.75	22.50
		25	QPSK	21.84	21.70	21.71	22.50
	50	0	QPSK	21.85	21.72	21.73	22.50
10	1	0	16QAM	21.94	22.29	21.88	22.50
		25	16QAM	21.96	22.34	21.86	22.50
		49	16QAM	22.01	22.29	21.82	22.50
	25	0	16QAM	20.99	21.00	20.98	21.50
		12	16QAM	21.03	20.97	20.97	21.50
		25	16QAM	21.04	20.90	20.93	21.50
	50	0	16QAM	20.97	20.90	20.91	21.50
10	1	0	64QAM	20.53	20.73	20.60	21.50
		25	64QAM	20.64	20.68	20.59	21.50
		49	64QAM	20.68	20.64	20.63	21.50
	25	0	64QAM	19.61	19.68	19.68	20.50
		12	64QAM	19.51	19.65	19.57	20.50
		25	64QAM	19.60	19.71	19.59	20.50
	50	0	64QAM	19.67	19.66	19.52	20.50
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	1	0	QPSK	22.65	22.78	22.72	23.50
		12	QPSK	22.55	22.54	22.62	23.50
		24	QPSK	22.54	22.52	22.59	23.50
	12	0	QPSK	21.96	21.91	21.85	22.50
		7	QPSK	21.83	21.85	21.75	22.50
		13	QPSK	21.83	21.67	21.70	22.50
	25	0	QPSK	21.84	21.71	21.69	22.50
5	1	0	16QAM	22.15	22.47	22.05	22.50
		12	16QAM	22.07	22.46	21.84	22.50
		24	16QAM	22.16	22.45	22.01	22.50
	12	0	16QAM	21.03	21.12	20.92	21.50
		7	16QAM	21.10	21.08	20.91	21.50
		13	16QAM	21.04	20.97	20.93	21.50
	25	0	16QAM	21.00	20.91	20.78	21.50
5	1	0	64QAM	20.59	20.76	20.59	21.50
		12	64QAM	20.58	20.71	20.64	21.50
		24	64QAM	20.65	20.67	20.63	21.50
	12	0	64QAM	19.64	19.68	19.65	20.50
		7	64QAM	19.59	19.66	19.64	20.50
		13	64QAM	19.58	19.59	19.60	20.50
	25	0	64QAM	19.71	19.68	19.60	20.50

Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	1	0	QPSK	22.52	22.76	22.68	23.50
		8	QPSK	22.47	22.57	22.41	23.50
		14	QPSK	22.60	22.46	22.41	23.50
	8	0	QPSK	21.75	21.75	21.76	22.50
		4	QPSK	21.63	21.53	21.61	22.50
		7	QPSK	21.56	21.46	21.54	22.50
	15	0	QPSK	21.53	21.57	21.51	22.50
3	1	0	16QAM	22.22	22.24	21.98	22.50
		8	16QAM	22.20	22.15	21.96	22.50
		14	16QAM	22.25	22.17	21.92	22.50
	8	0	16QAM	20.80	20.71	20.70	21.50
		4	16QAM	20.66	20.64	20.73	21.50
		7	16QAM	20.67	20.70	20.61	21.50
	15	0	16QAM	20.71	20.66	20.69	21.50
3	1	0	64QAM	20.40	20.51	20.51	21.50
		8	64QAM	20.42	20.68	20.52	21.50
		14	64QAM	20.64	20.61	20.47	21.50
	8	0	64QAM	19.46	19.62	19.53	20.50
		4	64QAM	19.60	19.68	19.58	20.50
		7	64QAM	19.48	19.69	19.57	20.50
	15	0	64QAM	19.55	19.61	19.42	20.50
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	1	0	QPSK	22.61	22.75	22.62	23.50
		3	QPSK	22.39	22.44	22.41	23.50
		5	QPSK	22.55	22.54	22.40	23.50
	3	0	QPSK	22.54	22.66	22.62	23.50
		1	QPSK	22.39	22.54	22.43	23.50
		3	QPSK	22.55	22.56	22.39	23.50
	6	0	QPSK	21.79	21.72	21.75	22.50
1.4	1	0	16QAM	21.73	21.72	21.76	22.50
		3	16QAM	21.75	21.66	21.65	22.50
		5	16QAM	21.83	21.75	21.73	22.50
	3	0	16QAM	21.81	21.75	21.70	22.50
		1	16QAM	21.71	21.73	21.73	22.50
		3	16QAM	21.63	21.71	21.69	22.50
	6	0	16QAM	20.80	20.77	20.61	21.50
1.4	1	0	64QAM	20.62	20.71	20.63	21.50
		3	64QAM	20.72	20.61	20.63	21.50
		5	64QAM	20.76	20.69	20.70	21.50
	3	0	64QAM	20.80	20.73	20.59	21.50
		1	64QAM	20.63	20.63	20.76	21.50
		3	64QAM	20.74	20.71	20.65	21.50
	6	0	64QAM	19.45	19.59	19.49	20.50

8.1.12 LTE Band66 Output Power

LTE B66 Full Power ANT0-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	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	19.62	19.70	19.62	20.50
		49	QPSK	19.42	19.58	19.45	20.50
		99	QPSK	19.56	19.58	19.48	20.50
	50	0	QPSK	18.85	18.75	18.73	19.50
		24	QPSK	18.63	18.60	18.57	19.50
		50	QPSK	18.56	18.53	18.55	19.50
	100	0	QPSK	18.56	18.55	18.56	19.50
20	1	0	16QAM	19.27	19.27	19.11	19.50
		49	16QAM	19.29	19.14	19.04	19.50
		99	16QAM	19.29	19.20	18.97	19.50
	50	0	16QAM	17.82	17.79	17.68	18.50
		24	16QAM	17.69	17.73	17.74	18.50
		50	16QAM	17.79	17.68	17.69	18.50
	100	0	16QAM	17.80	17.77	17.70	18.50
20	1	0	64QAM	17.46	17.55	17.56	18.50
		49	64QAM	17.47	17.68	17.51	18.50
		99	64QAM	17.59	17.58	17.46	18.50
	50	0	64QAM	16.52	16.63	16.60	17.50
		24	64QAM	16.58	16.67	16.65	17.50
		50	64QAM	16.55	16.63	16.58	17.50
	100	0	64QAM	16.65	16.63	16.42	17.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	1	0	QPSK	19.57	19.73	19.67	20.50
		37	QPSK	19.48	19.51	19.47	20.50
		74	QPSK	19.56	19.52	19.47	20.50
	36	0	QPSK	18.80	18.77	18.75	19.50
		20	QPSK	18.65	18.55	18.56	19.50
		39	QPSK	18.61	18.55	18.57	19.50
	75	0	QPSK	18.58	18.55	18.55	19.50
15	1	0	16QAM	19.35	19.21	19.10	19.50
		37	16QAM	19.28	19.10	19.07	19.50
		74	16QAM	19.30	19.17	19.01	19.50
	36	0	16QAM	17.83	17.76	17.70	18.50
		20	16QAM	17.75	17.71	17.69	18.50
		39	16QAM	17.73	17.73	17.71	18.50
	75	0	16QAM	17.80	17.71	17.75	18.50
15	1	0	64QAM	17.49	17.63	17.55	18.50
		37	64QAM	17.52	17.69	17.50	18.50
		74	64QAM	17.57	17.62	17.50	18.50
	36	0	64QAM	16.47	16.59	16.56	17.50
		20	64QAM	16.53	16.71	16.64	17.50
		39	64QAM	16.58	16.64	16.62	17.50
	75	0	64QAM	16.64	16.64	16.43	17.50

Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	1	0	QPSK	19.59	19.76	19.65	20.50
		25	QPSK	19.46	19.50	19.50	20.50
		49	QPSK	19.61	19.51	19.43	20.50
	25	0	QPSK	18.78	18.77	18.75	19.50
		12	QPSK	18.57	18.55	18.58	19.50
		25	QPSK	18.54	18.58	18.55	19.50
	50	0	QPSK	18.62	18.57	18.61	19.50
10	1	0	16QAM	19.29	19.21	19.06	19.50
		25	16QAM	19.27	19.16	19.05	19.50
		49	16QAM	19.29	19.23	19.02	19.50
	25	0	16QAM	17.87	17.75	17.65	18.50
		12	16QAM	17.76	17.68	17.68	18.50
		25	16QAM	17.79	17.70	17.68	18.50
	50	0	16QAM	17.78	17.70	17.77	18.50
10	1	0	64QAM	17.49	17.63	17.60	18.50
		25	64QAM	17.52	17.70	17.52	18.50
		49	64QAM	17.62	17.61	17.48	18.50
	25	0	64QAM	16.47	16.60	16.58	17.50
		12	64QAM	16.58	16.73	16.68	17.50
		25	64QAM	16.54	16.65	16.64	17.50
	50	0	64QAM	16.65	16.60	16.48	17.50
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	1	0	QPSK	19.58	19.72	19.63	20.50
		12	QPSK	19.48	19.52	19.48	20.50
		24	QPSK	19.61	19.55	19.42	20.50
	12	0	QPSK	18.82	18.78	18.76	19.50
		7	QPSK	18.64	18.52	18.56	19.50
		13	QPSK	18.58	18.52	18.56	19.50
	25	0	QPSK	18.55	18.55	18.53	19.50
5	1	0	16QAM	19.33	19.21	19.07	19.50
		12	16QAM	19.30	19.16	19.07	19.50
		24	16QAM	19.32	19.20	19.00	19.50
	12	0	16QAM	17.82	17.81	17.65	18.50
		7	16QAM	17.72	17.68	17.73	18.50
		13	16QAM	17.73	17.72	17.68	18.50
	25	0	16QAM	17.79	17.71	17.70	18.50
5	1	0	64QAM	17.50	17.63	17.61	18.50
		12	64QAM	17.47	17.64	17.49	18.50
		24	64QAM	17.61	17.65	17.47	18.50
	12	0	64QAM	16.45	16.59	16.55	17.50
		7	64QAM	16.55	16.72	16.68	17.50
		13	64QAM	16.52	16.67	16.58	17.50
	25	0	64QAM	16.59	16.65	16.47	17.50

Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	1	0	QPSK	19.59	19.78	19.68	20.50
		8	QPSK	19.47	19.55	19.49	20.50
		14	QPSK	19.58	19.58	19.48	20.50
	8	0	QPSK	18.82	18.76	18.70	19.50
		4	QPSK	18.63	18.59	18.56	19.50
		7	QPSK	18.60	18.58	18.56	19.50
	15	0	QPSK	18.56	18.58	18.58	19.50
3	1	0	16QAM	19.30	19.28	19.05	19.50
		8	16QAM	19.27	19.09	19.05	19.50
		14	16QAM	19.29	19.24	19.00	19.50
	8	0	16QAM	17.83	17.79	17.69	18.50
		4	16QAM	17.71	17.72	17.71	18.50
		7	16QAM	17.78	17.73	17.63	18.50
	15	0	16QAM	17.75	17.78	17.77	18.50
3	1	0	64QAM	17.46	17.56	17.54	18.50
		8	64QAM	17.53	17.68	17.49	18.50
		14	64QAM	17.58	17.61	17.44	18.50
	8	0	64QAM	16.51	16.56	16.60	17.50
		4	64QAM	16.54	16.72	16.60	17.50
		7	64QAM	16.50	16.67	16.57	17.50
	15	0	64QAM	16.61	16.62	16.42	17.50
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	1	0	QPSK	19.53	19.73	19.55	20.50
		3	QPSK	19.30	19.40	19.39	20.50
		5	QPSK	19.50	19.45	19.36	20.50
	3	0	QPSK	19.47	19.58	19.53	20.50
		1	QPSK	19.32	19.46	19.36	20.50
		3	QPSK	19.48	19.48	19.36	20.50
	6	0	QPSK	18.74	18.68	18.67	19.50
1.4	1	0	16QAM	18.65	18.69	18.71	19.50
		3	16QAM	18.74	18.57	18.63	19.50
		5	16QAM	18.75	18.71	18.67	19.50
	3	0	16QAM	18.73	18.67	18.62	19.50
		1	16QAM	18.69	18.67	18.70	19.50
		3	16QAM	18.54	18.64	18.64	19.50
	6	0	16QAM	17.72	17.74	17.57	18.50
1.4	1	0	64QAM	17.55	17.68	17.55	18.50
		3	64QAM	17.66	17.56	17.58	18.50
		5	64QAM	17.75	17.62	17.67	18.50
	3	0	64QAM	17.71	17.65	17.55	18.50
		1	64QAM	17.61	17.58	17.68	18.50
		3	64QAM	17.71	17.68	17.61	18.50
	6	0	64QAM	16.37	16.57	16.48	17.50

8.1.13 LTE Band71 Output Power

LTE B71 Full Power ANT4							
BW [MHz]	RB Size	RB Offset	Modulation	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	1	0	QPSK	23.37	23.39	23.33	24.50
		49	QPSK	23.34	23.22	23.29	24.50
		99	QPSK	23.22	23.34	23.29	24.50
	50	0	QPSK	22.28	22.36	22.23	23.50
		24	QPSK	22.16	22.19	22.20	23.50
		50	QPSK	22.18	22.23	22.20	23.50
	100	0	QPSK	22.30	22.39	22.30	23.50
20	1	0	16QAM	22.34	22.62	22.35	23.50
		49	16QAM	22.32	22.58	22.26	23.50
		99	16QAM	22.33	22.55	22.22	23.50
	50	0	16QAM	21.29	21.41	21.26	22.50
		24	16QAM	21.23	21.38	21.25	22.50
		50	16QAM	21.26	21.35	21.28	22.50
	100	0	16QAM	21.35	21.42	21.32	22.50
20	1	0	64QAM	21.27	21.38	21.27	22.50
		49	64QAM	21.19	21.22	21.24	22.50
		99	64QAM	21.18	21.21	21.24	22.50
	50	0	64QAM	20.31	20.34	20.24	21.50
		24	64QAM	20.24	20.38	20.28	21.50
		50	64QAM	20.21	20.34	20.14	21.50
	100	0	64QAM	20.07	20.31	20.14	21.50
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	1	0	QPSK	23.28	23.27	23.18	24.50
		37	QPSK	23.31	23.31	23.14	24.50
		74	QPSK	23.21	23.26	23.27	24.50
	36	0	QPSK	22.27	22.22	22.12	23.50
		20	QPSK	22.14	22.04	22.10	23.50
		39	QPSK	22.14	22.11	22.07	23.50
	75	0	QPSK	22.13	22.12	22.10	23.50
15	1	0	16QAM	22.23	22.52	22.29	23.50
		37	16QAM	22.29	22.52	22.23	23.50
		74	16QAM	22.26	22.47	22.21	23.50
	36	0	16QAM	21.23	21.28	21.23	22.50
		20	16QAM	21.15	21.28	21.12	22.50
		39	16QAM	21.23	21.22	21.19	22.50
	75	0	16QAM	21.27	21.31	21.28	22.50
15	1	0	64QAM	21.16	21.26	21.17	22.50
		37	64QAM	21.17	21.17	21.13	22.50
		74	64QAM	21.06	21.08	21.10	22.50
	36	0	64QAM	20.24	20.20	20.19	21.50
		20	64QAM	20.10	20.31	20.20	21.50
		39	64QAM	20.16	20.30	20.03	21.50
	75	0	64QAM	19.95	20.21	20.01	21.50

Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	1	0	QPSK	23.32	23.36	23.20	24.50
		25	QPSK	23.23	23.23	23.19	24.50
		49	QPSK	23.18	23.25	23.16	24.50
	25	0	QPSK	22.14	22.25	22.12	23.50
		12	QPSK	22.09	22.07	22.08	23.50
		25	QPSK	22.08	22.12	22.08	23.50
	50	0	QPSK	22.10	22.12	22.07	23.50
10	1	0	16QAM	22.22	22.47	22.20	23.50
		25	16QAM	22.26	22.52	22.22	23.50
		49	16QAM	22.30	22.54	22.20	23.50
	25	0	16QAM	21.28	21.33	21.24	22.50
		12	16QAM	21.21	21.29	21.12	22.50
		25	16QAM	21.13	21.33	21.20	22.50
	50	0	16QAM	21.31	21.36	21.27	22.50
10	1	0	64QAM	21.18	21.28	21.14	22.50
		25	64QAM	21.14	21.17	21.14	22.50
		49	64QAM	21.04	21.09	21.11	22.50
	25	0	64QAM	20.22	20.21	20.21	21.50
		12	64QAM	20.23	20.31	20.17	21.50
		25	64QAM	20.10	20.27	20.03	21.50
	50	0	64QAM	20.02	20.28	20.02	21.50
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	1	0	QPSK	23.34	23.37	23.26	24.50
		12	QPSK	23.18	23.17	23.13	24.50
		24	QPSK	22.94	23.18	23.12	24.50
	12	0	QPSK	22.27	22.27	22.10	23.50
		7	QPSK	22.08	22.11	22.10	23.50
		13	QPSK	22.17	22.08	22.18	23.50
	25	0	QPSK	22.00	22.09	22.08	23.50
5	1	0	16QAM	22.24	22.59	22.31	23.50
		12	16QAM	22.29	22.48	22.17	23.50
		24	16QAM	22.30	22.48	22.11	23.50
	12	0	16QAM	21.19	21.39	21.14	22.50
		7	16QAM	21.22	21.28	21.14	22.50
		13	16QAM	21.18	21.25	21.16	22.50
	25	0	16QAM	21.23	21.32	21.19	22.50
5	1	0	64QAM	21.23	21.29	21.23	22.50
		12	64QAM	21.13	21.07	21.09	22.50
		24	64QAM	21.17	21.06	21.22	22.50
	12	0	64QAM	20.17	20.28	20.20	21.50
		7	64QAM	20.13	20.36	20.21	21.50
		13	64QAM	20.12	20.25	20.12	21.50
	25	0	64QAM	19.96	20.22	20.12	21.50

8.1.13 LTE Band71 Output Power

LTE B71 Full Power ANT4-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	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	20.30	20.33	20.30	21.50
		49	QPSK	20.16	20.16	20.10	21.50
		99	QPSK	20.04	20.18	20.08	21.50
	50	0	QPSK	19.21	19.32	19.16	20.50
		24	QPSK	19.14	19.14	19.12	20.50
		50	QPSK	19.17	19.19	19.12	20.50
	100	0	QPSK	19.13	19.18	19.10	20.50
20	1	0	16QAM	19.31	19.58	19.28	20.50
		49	16QAM	19.26	19.57	19.17	20.50
		99	16QAM	19.28	19.49	19.19	20.50
	50	0	16QAM	18.22	18.35	18.23	19.50
		24	16QAM	18.15	18.34	18.19	19.50
		50	16QAM	18.23	18.27	18.23	19.50
	100	0	16QAM	18.29	18.35	18.24	19.50
20	1	0	64QAM	18.25	18.34	18.24	19.50
		49	64QAM	18.16	18.15	18.17	19.50
		99	64QAM	18.15	18.13	18.20	19.50
	50	0	64QAM	17.29	17.27	17.21	18.50
		24	64QAM	17.17	17.37	17.25	18.50
		50	64QAM	17.15	17.26	17.13	18.50
	100	0	64QAM	17.04	17.29	17.09	18.50
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	1	0	QPSK	20.36	20.33	20.29	21.50
		37	QPSK	20.17	20.15	20.11	21.50
		74	QPSK	20.00	20.15	20.09	21.50
	36	0	QPSK	19.23	19.30	19.15	20.50
		20	QPSK	19.14	19.10	19.13	20.50
		39	QPSK	19.14	19.18	19.18	20.50
	75	0	QPSK	19.11	19.18	19.06	20.50
15	1	0	16QAM	19.33	19.57	19.33	20.50
		37	16QAM	19.27	19.56	19.22	20.50
		74	16QAM	19.30	19.47	19.14	20.50
	36	0	16QAM	18.23	18.40	18.18	19.50
		20	16QAM	18.14	18.35	18.16	19.50
		39	16QAM	18.19	18.27	18.20	19.50
	75	0	16QAM	18.28	18.34	18.25	19.50
15	1	0	64QAM	18.24	18.30	18.18	19.50
		37	64QAM	18.17	18.17	18.21	19.50
		74	64QAM	18.09	18.16	18.17	19.50
	36	0	64QAM	17.23	17.30	17.23	18.50
		20	64QAM	17.15	17.30	17.25	18.50
		39	64QAM	17.14	17.28	17.07	18.50
	75	0	64QAM	17.03	17.23	17.06	18.50

Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	1	0	QPSK	20.30	20.30	20.27	21.50
		25	QPSK	20.10	20.19	20.13	21.50
		49	QPSK	19.98	20.16	20.05	21.50
	25	0	QPSK	19.25	19.31	19.16	20.50
		12	QPSK	19.15	19.11	19.19	20.50
		25	QPSK	19.16	19.19	19.19	20.50
	50	0	QPSK	19.06	19.18	19.11	20.50
10	1	0	16QAM	19.29	19.58	19.31	20.50
		25	16QAM	19.29	19.52	19.17	20.50
		49	16QAM	19.26	19.51	19.17	20.50
	25	0	16QAM	18.21	18.37	18.20	19.50
		12	16QAM	18.22	18.35	18.23	19.50
		25	16QAM	18.25	18.31	18.25	19.50
	50	0	16QAM	18.31	18.41	18.28	19.50
10	1	0	64QAM	18.26	18.36	18.22	19.50
		25	64QAM	18.12	18.20	18.15	19.50
		49	64QAM	18.13	18.18	18.15	19.50
	25	0	64QAM	17.28	17.32	17.22	18.50
		12	64QAM	17.16	17.33	17.25	18.50
		25	64QAM	17.17	17.32	17.10	18.50
	50	0	64QAM	17.01	17.23	17.13	18.50
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	1	0	QPSK	20.35	20.35	20.24	21.50
		12	QPSK	20.12	20.13	20.08	21.50
		24	QPSK	19.98	20.17	20.08	21.50
	12	0	QPSK	19.27	19.31	19.14	20.50
		7	QPSK	19.11	19.14	19.19	20.50
		13	QPSK	19.11	19.17	19.19	20.50
	25	0	QPSK	19.08	19.16	19.09	20.50
5	1	0	16QAM	19.29	19.60	19.29	20.50
		12	16QAM	19.31	19.52	19.25	20.50
		24	16QAM	19.27	19.51	19.16	20.50
	12	0	16QAM	18.23	18.38	18.25	19.50
		7	16QAM	18.14	18.33	18.22	19.50
		13	16QAM	18.21	18.26	18.22	19.50
	25	0	16QAM	18.32	18.40	18.31	19.50
5	1	0	64QAM	18.25	18.37	18.18	19.50
		12	64QAM	18.14	18.13	18.22	19.50
		24	64QAM	18.15	18.13	18.19	19.50
	12	0	64QAM	17.29	17.33	17.21	18.50
		7	64QAM	17.21	17.37	17.23	18.50
		13	64QAM	17.17	17.32	17.13	18.50
	25	0	64QAM	17.02	17.24	17.08	18.50

8.1.14 LTE Band38 Output Power

LTE B38 Full Power ANT0							
BW [MHz]	RB Size	RB Offset	Modulation	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	22.98	23.01	22.96	24.00
		49	QPSK	22.88	22.90	22.81	24.00
		99	QPSK	22.82	22.80	22.76	24.00
	50	0	QPSK	22.03	22.01	22.05	23.00
		24	QPSK	21.99	21.95	21.90	23.00
		50	QPSK	21.90	21.99	21.98	23.00
	100	0	QPSK	21.94	21.94	21.98	23.00
20	1	0	16QAM	22.23	22.51	22.40	23.00
		49	16QAM	22.30	22.54	22.45	23.00
		99	16QAM	22.40	22.62	22.55	23.00
	50	0	16QAM	21.02	21.07	21.05	22.00
		24	16QAM	21.08	21.05	21.20	22.00
		50	16QAM	21.08	21.18	21.14	22.00
	100	0	16QAM	21.02	21.07	21.07	22.00
20	1	0	64QAM	20.94	20.87	20.91	22.00
		49	64QAM	20.88	20.89	20.81	22.00
		99	64QAM	20.78	20.80	20.79	22.00
	50	0	64QAM	19.86	19.99	19.88	21.00
		24	64QAM	19.84	20.00	19.90	21.00
		50	64QAM	19.90	19.89	19.89	21.00
	100	0	64QAM	19.91	19.75	19.79	21.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	1	0	QPSK	22.84	22.96	22.91	24.00
		37	QPSK	22.76	22.78	22.83	24.00
		74	QPSK	22.85	22.78	22.85	24.00
	36	0	QPSK	21.97	21.99	21.89	23.00
		20	QPSK	21.91	21.97	21.88	23.00
		39	QPSK	21.89	21.79	21.86	23.00
	75	0	QPSK	21.89	21.86	21.82	23.00
15	1	0	16QAM	22.15	22.43	22.38	23.00
		37	16QAM	22.22	22.49	22.48	23.00
		74	16QAM	22.25	22.54	22.50	23.00
	36	0	16QAM	20.95	21.05	21.19	22.00
		20	16QAM	20.99	21.04	21.22	22.00
		39	16QAM	20.94	21.09	21.19	22.00
	75	0	16QAM	20.98	21.05	21.17	22.00
15	1	0	64QAM	20.85	20.94	20.94	22.00
		37	64QAM	20.93	20.97	20.85	22.00
		74	64QAM	20.91	20.77	20.85	22.00
	36	0	64QAM	19.86	19.92	19.81	21.00
		20	64QAM	19.87	19.86	19.89	21.00
		39	64QAM	19.86	19.96	19.83	21.00
	75	0	64QAM	19.79	19.88	19.80	21.00

Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	1	0	QPSK	22.97	23.00	22.84	24.00
		25	QPSK	22.85	22.76	22.70	24.00
		49	QPSK	22.80	22.72	22.75	24.00
	25	0	QPSK	21.96	21.88	21.93	23.00
		12	QPSK	21.80	21.78	21.98	23.00
		25	QPSK	21.83	21.83	21.90	23.00
	50	0	QPSK	21.68	21.73	21.82	23.00
10	1	0	16QAM	22.18	22.43	22.37	23.00
		25	16QAM	22.25	22.53	22.35	23.00
		49	16QAM	22.25	22.57	22.50	23.00
	25	0	16QAM	20.87	20.98	20.90	22.00
		12	16QAM	21.00	21.01	21.08	22.00
		25	16QAM	21.03	21.04	21.10	22.00
	50	0	16QAM	20.92	20.98	20.97	22.00
10	1	0	64QAM	20.81	20.81	20.79	22.00
		25	64QAM	20.84	20.75	20.76	22.00
		49	64QAM	20.67	20.69	20.70	22.00
	25	0	64QAM	19.79	19.95	19.81	21.00
		12	64QAM	19.75	19.85	19.86	21.00
		25	64QAM	19.80	19.81	19.75	21.00
	50	0	64QAM	19.90	19.70	19.71	21.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	1	0	QPSK	22.89	23.00	22.99	24.00
		12	QPSK	22.85	22.87	22.88	24.00
		24	QPSK	22.79	22.79	22.81	24.00
	12	0	QPSK	22.15	22.22	22.35	23.00
		7	QPSK	21.98	22.18	22.27	23.00
		13	QPSK	21.98	22.15	22.20	23.00
	25	0	QPSK	21.97	22.09	22.25	23.00
5	1	0	16QAM	22.33	22.57	22.44	23.00
		12	16QAM	22.34	22.54	22.39	23.00
		24	16QAM	22.44	22.69	22.45	23.00
	12	0	16QAM	21.03	21.38	21.29	22.00
		7	16QAM	21.16	21.39	21.40	22.00
		13	16QAM	21.07	21.41	21.35	22.00
	25	0	16QAM	21.11	21.20	21.31	22.00
5	1	0	64QAM	20.91	20.86	20.90	22.00
		12	64QAM	20.84	20.85	20.86	22.00
		24	64QAM	20.80	20.79	20.78	22.00
	12	0	64QAM	19.90	19.89	19.82	21.00
		7	64QAM	19.94	19.92	19.90	21.00
		13	64QAM	19.84	19.87	19.88	21.00
	25	0	64QAM	19.80	19.89	19.83	21.00

8.1.14 LTE Band38 Output Power

LTE B38 Full Power ANT0-ENDC							
BW [MHz]	RB Size	RB Offset	Modulation	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	19.91	19.98	19.88	21.00
		49	QPSK	19.81	19.88	19.78	21.00
		99	QPSK	19.78	19.71	19.68	21.00
	50	0	QPSK	18.96	19.00	18.92	20.00
		24	QPSK	18.90	18.86	18.75	20.00
		50	QPSK	18.93	18.93	18.82	20.00
	100	0	QPSK	18.89	18.92	18.84	20.00
20	1	0	16QAM	19.21	19.48	19.35	20.00
		49	16QAM	19.21	19.50	19.42	20.00
		99	16QAM	19.33	19.59	19.53	20.00
	50	0	16QAM	17.93	17.99	18.01	19.00
		24	16QAM	17.99	17.98	18.13	19.00
		50	16QAM	18.01	18.10	18.12	19.00
	100	0	16QAM	17.97	18.03	17.98	19.00
20	1	0	64QAM	17.86	17.84	17.87	19.00
		49	64QAM	17.84	17.87	17.72	19.00
		99	64QAM	17.70	17.72	17.73	19.00
	50	0	64QAM	16.77	16.92	16.82	18.00
		24	64QAM	16.83	16.96	16.89	18.00
		50	64QAM	16.88	16.88	16.81	18.00
	100	0	64QAM	16.83	16.67	16.70	18.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	1	0	QPSK	19.92	19.99	19.87	21.00
		37	QPSK	19.79	19.82	19.75	21.00
		74	QPSK	19.76	19.78	19.69	21.00
	36	0	QPSK	19.02	18.97	19.00	20.00
		20	QPSK	18.96	18.88	18.90	20.00
		39	QPSK	18.82	18.90	18.91	20.00
	75	0	QPSK	18.87	18.93	18.97	20.00
15	1	0	16QAM	19.22	19.45	19.37	20.00
		37	16QAM	19.26	19.52	19.43	20.00
		74	16QAM	19.32	19.59	19.46	20.00
	36	0	16QAM	17.95	18.04	18.00	19.00
		20	16QAM	18.04	17.99	18.14	19.00
		39	16QAM	18.03	18.12	18.10	19.00
	75	0	16QAM	17.93	17.99	18.06	19.00
15	1	0	64QAM	17.89	17.79	17.87	19.00
		37	64QAM	17.82	17.80	17.74	19.00
		74	64QAM	17.73	17.74	17.71	19.00
	36	0	64QAM	16.80	16.95	16.86	18.00
		20	64QAM	16.79	16.92	16.83	18.00
		39	64QAM	16.83	16.80	16.84	18.00
	75	0	64QAM	16.87	16.67	16.73	18.00

Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	1	0	QPSK	19.93	19.96	19.93	21.00
		25	QPSK	19.83	19.85	19.80	21.00
		49	QPSK	19.77	19.72	19.68	21.00
	25	0	QPSK	18.96	18.94	18.96	20.00
		12	QPSK	18.94	18.91	19.03	20.00
		25	QPSK	18.83	18.95	18.93	20.00
	50	0	QPSK	18.74	18.75	18.78	20.00
10	1	0	16QAM	19.19	19.45	19.37	20.00
		25	16QAM	19.28	19.49	19.42	20.00
		49	16QAM	19.37	19.58	19.53	20.00
	25	0	16QAM	17.97	18.06	17.96	19.00
		12	16QAM	17.99	18.04	18.13	19.00
		25	16QAM	18.01	18.14	18.05	19.00
	50	0	16QAM	17.93	18.06	18.04	19.00
10	1	0	64QAM	17.89	17.85	17.87	19.00
		25	64QAM	17.87	17.83	17.79	19.00
		49	64QAM	17.76	17.71	17.74	19.00
	25	0	64QAM	16.83	16.97	16.84	18.00
		12	64QAM	16.83	16.98	16.85	18.00
		25	64QAM	16.87	16.81	16.87	18.00
	50	0	64QAM	16.90	16.70	16.75	18.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	1	0	QPSK	19.90	19.96	19.91	21.00
		12	QPSK	19.80	19.81	19.78	21.00
		24	QPSK	19.80	19.76	19.71	21.00
	12	0	QPSK	19.02	19.00	18.99	20.00
		7	QPSK	18.96	18.92	18.92	20.00
		13	QPSK	18.82	18.94	18.91	20.00
	25	0	QPSK	18.86	18.92	18.93	20.00
5	1	0	16QAM	19.14	19.50	19.38	20.00
		12	16QAM	19.28	19.47	19.42	20.00
		24	16QAM	19.38	19.54	19.53	20.00
	12	0	16QAM	17.98	18.05	18.00	19.00
		7	16QAM	18.03	18.04	18.13	19.00
		13	16QAM	18.03	18.15	18.07	19.00
	25	0	16QAM	17.98	17.99	18.02	19.00
5	1	0	64QAM	17.93	17.84	17.86	19.00
		12	64QAM	17.84	17.88	17.80	19.00
		24	64QAM	17.75	17.72	17.74	19.00
	12	0	64QAM	16.77	16.96	16.80	18.00
		7	64QAM	16.81	16.98	16.86	18.00
		13	64QAM	16.84	16.81	16.85	18.00
	25	0	64QAM	16.90	16.67	16.77	18.00

8.1.15 LTE Band41 Output Power

LTE B41 Full Power ANT0									
BW [MHz]	RB Size	RB Offset	Modulation	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	1	0	QPSK	22.82	22.87	23.09	23.04	22.97	24.00
		49	QPSK	22.76	22.87	22.95	22.95	22.82	24.00
		99	QPSK	22.90	22.93	23.07	23.06	22.92	24.00
	50	0	QPSK	21.95	22.07	22.12	22.15	22.06	23.00
		24	QPSK	21.85	21.93	21.99	21.99	21.92	23.00
		50	QPSK	21.78	21.83	21.90	21.98	21.91	23.00
	100	0	QPSK	21.88	21.93	21.99	21.96	21.91	23.00
20	1	0	16QAM	22.23	22.28	22.43	22.47	22.55	23.00
		49	16QAM	22.24	22.32	22.35	22.47	22.42	23.00
		99	16QAM	22.31	22.38	22.50	22.48	22.47	23.00
	50	0	16QAM	20.94	21.05	21.15	21.15	21.15	22.00
		24	16QAM	20.97	21.09	21.20	21.21	21.14	22.00
		50	16QAM	20.91	20.95	21.10	21.16	21.13	22.00
	100	0	16QAM	20.95	21.08	21.17	21.16	21.07	22.00
20	1	0	64QAM	20.68	20.79	21.02	20.89	20.87	22.00
		49	64QAM	20.61	20.75	20.80	20.82	20.74	22.00
		99	64QAM	20.86	20.92	21.02	21.02	20.82	22.00
	50	0	64QAM	19.70	19.84	19.91	19.98	19.83	21.00
		24	64QAM	19.77	19.73	20.00	20.00	19.90	21.00
		50	64QAM	19.64	19.80	19.90	19.90	19.73	21.00
	100	0	64QAM	19.86	19.78	19.92	19.91	19.87	21.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	1	0	QPSK	22.67	22.91	23.10	23.20	23.00	24.00
		37	QPSK	22.72	22.85	23.10	23.13	22.88	24.00
		74	QPSK	22.79	22.88	23.13	23.14	22.90	24.00
	36	0	QPSK	21.92	22.06	22.08	22.10	22.07	23.00
		20	QPSK	21.82	21.89	21.91	21.94	21.87	23.00
		39	QPSK	21.74	21.84	21.87	21.95	21.85	23.00
75	0	QPSK	21.95	22.07	22.06	22.06	22.02	23.00	
15	1	0	16QAM	22.11	22.34	22.34	22.30	22.30	23.00
		37	16QAM	22.14	22.24	22.27	22.30	22.19	23.00
		74	16QAM	22.20	22.27	22.41	22.33	22.23	23.00
	36	0	16QAM	20.90	21.06	21.12	21.14	21.10	22.00
		20	16QAM	20.94	21.05	21.11	21.11	21.05	22.00
		39	16QAM	20.85	21.03	21.07	21.17	21.09	22.00
75	0	16QAM	20.98	21.06	21.13	21.14	21.05	22.00	
15	1	0	64QAM	20.63	20.71	20.89	20.85	20.85	22.00
		37	64QAM	20.48	20.69	20.69	20.72	20.73	22.00
		74	64QAM	20.83	20.82	20.89	20.94	20.70	22.00
	36	0	64QAM	19.62	19.74	19.87	19.95	19.69	21.00
		20	64QAM	19.75	19.71	19.86	19.85	19.83	21.00
		39	64QAM	19.56	19.66	19.76	19.78	19.66	21.00
75	0	64QAM	19.78	19.70	19.85	19.83	19.72	21.00	

Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	1	0	QPSK	22.57	22.89	23.03	22.94	22.87	24.00
		25	QPSK	22.66	22.84	22.94	22.82	22.74	24.00
		49	QPSK	22.69	22.85	22.99	22.91	22.84	24.00
	25	0	QPSK	21.87	21.94	21.97	22.07	21.97	23.00
		12	QPSK	21.81	21.75	21.95	21.89	21.81	23.00
		25	QPSK	21.66	21.70	21.81	21.83	21.78	23.00
	50	0	QPSK	21.76	21.85	21.98	21.95	21.89	23.00
10	1	0	16QAM	21.98	22.30	22.41	22.35	22.51	23.00
		25	16QAM	22.00	22.14	22.22	22.45	22.41	23.00
		49	16QAM	22.19	22.25	22.39	22.40	22.46	23.00
	25	0	16QAM	20.87	20.97	21.14	21.05	21.09	22.00
		12	16QAM	20.89	20.93	21.10	21.09	21.09	22.00
		25	16QAM	20.78	21.02	21.03	21.02	21.00	22.00
	50	0	16QAM	20.86	20.99	21.13	21.08	20.95	22.00
10	1	0	64QAM	20.48	20.59	20.95	20.75	20.79	22.00
		25	64QAM	20.36	20.68	20.65	20.67	20.68	22.00
		49	64QAM	20.76	20.67	20.98	20.90	20.68	22.00
	25	0	64QAM	19.48	19.70	19.84	19.94	19.78	21.00
		12	64QAM	19.64	19.58	19.97	19.94	19.83	21.00
		25	64QAM	19.45	19.54	19.79	19.79	19.62	21.00
	50	0	64QAM	19.68	19.56	19.88	19.90	19.73	21.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	1	0	QPSK	22.52	22.78	22.99	22.89	22.91	24.00
		12	QPSK	22.61	22.72	22.85	22.87	22.78	24.00
		24	QPSK	22.78	22.80	23.05	23.00	22.80	24.00
	12	0	QPSK	21.83	22.03	22.10	22.07	21.99	23.00
		7	QPSK	21.80	21.83	21.88	21.88	21.91	23.00
		13	QPSK	21.67	21.82	21.85	21.83	21.89	23.00
	25	0	QPSK	21.86	22.04	22.06	22.08	21.96	23.00
5	1	0	16QAM	22.03	22.23	22.31	22.44	22.46	23.00
		12	16QAM	22.02	22.18	22.33	22.44	22.36	23.00
		24	16QAM	22.19	22.26	22.41	22.44	22.44	23.00
	12	0	16QAM	20.83	20.94	21.11	21.11	21.12	22.00
		7	16QAM	20.85	20.91	21.19	21.09	21.08	22.00
		13	16QAM	20.84	20.99	20.98	21.03	21.09	22.00
	25	0	16QAM	20.85	21.04	21.10	21.03	20.92	22.00
5	1	0	64QAM	20.57	20.62	20.88	20.86	20.86	22.00
		12	64QAM	20.42	20.65	20.76	20.67	20.71	22.00
		24	64QAM	20.73	20.80	21.01	20.88	20.72	22.00
	12	0	64QAM	19.57	19.73	19.88	19.86	19.78	21.00
		7	64QAM	19.74	19.70	19.86	19.96	19.88	21.00
		13	64QAM	19.51	19.64	19.76	19.79	19.62	21.00
	25	0	64QAM	19.76	19.65	19.86	19.89	19.74	21.00

8.1.15 LTE Band41 Output Power

LTE B41 Full Power ANT0-ENDC									
BW [MHz]	RB Size	RB Offset	Modulation	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	19.77	19.81	20.07	19.96	19.90	21.00
		49	QPSK	19.75	19.78	19.89	19.87	19.76	21.00
		99	QPSK	19.81	19.91	20.02	19.99	19.89	21.00
	50	0	QPSK	18.92	19.06	19.03	19.13	19.04	20.00
		24	QPSK	18.79	18.92	18.96	18.95	18.91	20.00
		50	QPSK	18.73	18.74	18.84	18.94	18.89	20.00
	100	0	QPSK	18.82	18.89	18.98	18.88	18.90	20.00
20	1	0	16QAM	19.17	19.27	19.41	19.43	19.46	20.00
		49	16QAM	19.23	19.29	19.28	19.45	19.38	20.00
		99	16QAM	19.27	19.33	19.44	19.45	19.42	20.00
	50	0	16QAM	17.85	18.00	18.11	18.12	18.13	19.00
		24	16QAM	17.90	18.06	18.11	18.13	18.11	19.00
		50	16QAM	17.88	17.92	18.09	18.11	18.12	19.00
	100	0	16QAM	17.91	18.07	18.15	18.13	18.01	19.00
20	1	0	64QAM	17.67	17.70	17.94	17.81	17.84	19.00
		49	64QAM	17.55	17.66	17.73	17.79	17.72	19.00
		99	64QAM	17.77	17.85	17.96	17.94	17.74	19.00
	50	0	64QAM	16.62	16.83	16.89	16.90	16.77	18.00
		24	64QAM	16.69	16.72	16.99	16.99	16.82	18.00
		50	64QAM	16.62	16.75	16.87	16.87	16.67	18.00
	100	0	64QAM	16.79	16.73	16.85	16.86	16.81	18.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	1	0	QPSK	19.62	19.86	20.08	20.18	19.95	21.00
		37	QPSK	19.63	19.80	20.07	20.12	19.86	21.00
		74	QPSK	19.74	19.86	20.10	20.12	19.88	21.00
	36	0	QPSK	18.89	19.05	19.07	19.09	19.01	20.00
		20	QPSK	18.80	18.87	18.88	18.85	18.79	20.00
		39	QPSK	18.67	18.81	18.85	18.86	18.84	20.00
	75	0	QPSK	18.89	19.04	19.01	19.02	19.01	20.00
15	1	0	16QAM	19.10	19.29	19.26	19.25	19.22	20.00
		37	16QAM	19.10	19.21	19.24	19.23	19.17	20.00
		74	16QAM	19.18	19.21	19.34	19.32	19.19	20.00
	36	0	16QAM	17.85	18.01	18.05	18.05	18.09	19.00
		20	16QAM	17.91	17.97	18.04	18.04	18.01	19.00
		39	16QAM	17.77	17.97	17.98	18.16	18.06	19.00
	75	0	16QAM	17.96	18.00	18.09	18.06	18.01	19.00
15	1	0	64QAM	17.61	17.64	17.84	17.83	17.81	19.00
		37	64QAM	17.44	17.65	17.62	17.64	17.71	19.00
		74	64QAM	17.81	17.80	17.83	17.92	17.65	19.00
	36	0	64QAM	16.54	16.72	16.84	16.88	16.68	18.00
		20	64QAM	16.73	16.70	16.79	16.77	16.76	18.00
		39	64QAM	16.47	16.64	16.69	16.71	16.64	18.00
	75	0	64QAM	16.70	16.64	16.76	16.75	16.67	18.00

Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	1	0	QPSK	19.56	19.85	19.98	19.91	19.82	21.00
		25	QPSK	19.62	19.82	19.92	19.73	19.68	21.00
		49	QPSK	19.66	19.76	19.97	19.86	19.82	21.00
	25	0	QPSK	18.83	18.86	18.96	19.03	18.88	20.00
		12	QPSK	18.72	18.67	18.90	18.81	18.77	20.00
		25	QPSK	18.60	18.64	18.73	18.78	18.76	20.00
	50	0	QPSK	18.73	18.80	18.94	18.91	18.87	20.00
10	1	0	16QAM	18.94	19.24	19.35	19.34	19.48	20.00
		25	16QAM	18.92	19.08	19.13	19.44	19.36	20.00
		49	16QAM	19.15	19.19	19.34	19.33	19.39	20.00
	25	0	16QAM	17.78	17.94	18.12	18.04	18.06	19.00
		12	16QAM	17.86	17.86	18.07	18.02	18.03	19.00
		25	16QAM	17.70	17.93	17.99	17.97	17.93	19.00
	50	0	16QAM	17.81	17.92	18.12	18.02	17.94	19.00
10	1	0	64QAM	17.46	17.56	17.89	17.71	17.72	19.00
		25	64QAM	17.33	17.62	17.59	17.64	17.67	19.00
		49	64QAM	17.75	17.65	17.96	17.85	17.65	19.00
	25	0	64QAM	16.47	16.63	16.83	16.92	16.74	18.00
		12	64QAM	16.62	16.52	16.91	16.87	16.76	18.00
		25	64QAM	16.37	16.52	16.75	16.74	16.61	18.00
	50	0	64QAM	16.62	16.47	16.80	16.88	16.65	18.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	1	0	QPSK	19.49	19.73	19.95	19.80	19.87	21.00
		12	QPSK	19.53	19.65	19.78	19.86	19.74	21.00
		24	QPSK	19.73	19.72	20.03	19.94	19.79	21.00
	12	0	QPSK	18.80	18.95	19.09	18.98	18.95	20.00
		7	QPSK	18.74	18.75	18.83	18.79	18.87	20.00
		13	QPSK	18.61	18.80	18.79	18.78	18.84	20.00
	25	0	QPSK	18.79	19.00	18.97	19.05	18.91	20.00
5	1	0	16QAM	18.95	19.16	19.24	19.41	19.37	20.00
		12	16QAM	18.94	19.13	19.29	19.40	19.31	20.00
		24	16QAM	19.17	19.20	19.37	19.40	19.35	20.00
	12	0	16QAM	17.77	17.90	18.05	18.02	18.03	19.00
		7	16QAM	17.81	17.84	18.10	18.00	18.04	19.00
		13	16QAM	17.82	17.93	17.94	17.97	18.04	19.00
	25	0	16QAM	17.77	17.99	18.03	18.01	17.91	19.00
5	1	0	64QAM	17.49	17.58	17.81	17.84	17.78	19.00
		12	64QAM	17.40	17.59	17.74	17.66	17.65	19.00
		24	64QAM	17.67	17.79	17.94	17.87	17.67	19.00
	12	0	64QAM	16.55	16.67	16.80	16.80	16.77	18.00
		7	64QAM	16.72	16.64	16.85	16.87	16.79	18.00
		13	64QAM	16.43	16.62	16.69	16.72	16.53	18.00
	25	0	64QAM	16.75	16.61	16.79	16.83	16.65	18.00

8.1.16 LTE Band42 Output Power

LTE B42 Full Power ANT1									
BW [MHz]	RB Size	RB Offset	Modulation	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				42190	42515	42840	43165	43490	
Frequency (MHz)				3460	3492.5	3525	3557.5	3590	
20	1	0	QPSK	21.98	21.99	22.12	22.06	22.08	23.00
		49	QPSK	21.84	22.00	22.08	21.96	22.00	23.00
		99	QPSK	21.95	21.94	22.06	22.03	22.07	23.00
	50	0	QPSK	20.91	21.26	21.27	21.19	20.99	22.00
		24	QPSK	20.74	21.01	21.10	21.06	20.92	22.00
		50	QPSK	20.79	21.03	21.07	21.02	20.91	22.00
	100	0	QPSK	20.84	21.13	21.24	21.15	20.96	22.00
20	1	0	16QAM	20.96	21.48	21.53	21.43	21.02	22.00
		49	16QAM	21.04	21.36	21.49	21.38	21.07	22.00
		99	16QAM	20.95	21.46	21.52	21.39	21.05	22.00
	50	0	16QAM	19.99	20.29	20.31	20.27	20.03	21.00
		24	16QAM	20.00	20.17	20.27	20.18	19.97	21.00
		50	16QAM	19.98	20.24	20.25	20.23	20.03	21.00
	100	0	16QAM	19.97	20.15	20.29	20.15	20.06	21.00
20	1	0	64QAM	19.90	19.89	19.99	19.93	20.06	21.00
		49	64QAM	19.83	19.91	19.95	19.80	19.89	21.00
		99	64QAM	19.87	19.85	19.99	19.97	20.05	21.00
	50	0	64QAM	18.90	18.89	19.01	18.89	19.00	20.00
		24	64QAM	18.89	18.83	18.98	18.89	19.01	20.00
		50	64QAM	18.77	18.94	18.95	18.85	18.86	20.00
	100	0	64QAM	18.85	18.84	18.95	18.92	19.01	20.00
Channel				42165	42670	42840	43010	43515	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3508	3525	3542	3592.5	
15	1	0	QPSK	21.92	22.03	22.06	22.02	21.99	23.00
		37	QPSK	21.60	21.89	21.90	21.75	21.79	23.00
		74	QPSK	21.87	21.97	22.03	21.90	21.92	23.00
	36	0	QPSK	20.76	21.01	21.16	21.07	20.84	22.00
		20	QPSK	20.66	20.95	20.98	20.88	20.77	22.00
		39	QPSK	20.67	20.95	21.02	21.00	20.86	22.00
15	1	0	QPSK	20.78	21.02	21.14	21.00	20.91	22.00
	36	0	16QAM	20.92	21.40	21.45	21.44	20.92	22.00
		37	16QAM	21.01	21.28	21.36	21.25	21.05	22.00
		74	16QAM	20.80	21.36	21.50	21.41	21.00	22.00
	36	0	16QAM	19.86	20.25	20.28	20.27	20.00	21.00
		20	16QAM	19.92	20.08	20.22	20.15	19.93	21.00
15	1	0	16QAM	19.88	20.02	20.17	20.05	19.96	21.00
	36	0	16QAM	19.95	20.11	20.14	19.99	19.99	21.00
		37	16QAM	19.82	19.88	19.92	19.80	20.04	21.00
	36	37	64QAM	19.82	19.84	19.90	19.89	19.80	21.00
		74	64QAM	19.74	19.92	19.98	19.91	19.92	21.00
	36	0	64QAM	18.82	18.97	18.99	18.87	18.86	20.00
15	1	20	64QAM	18.88	18.76	18.90	18.76	18.87	20.00
		39	64QAM	18.70	18.82	18.92	18.78	18.76	20.00
	36	0	64QAM	18.81	18.73	18.84	18.82	18.91	20.00
		37	64QAM	18.81	18.73	18.84	18.82	18.91	20.00
		74	64QAM	18.74	18.92	18.98	18.91	18.92	20.00
	36	0	64QAM	18.82	18.97	18.99	18.87	18.86	20.00

Channel				42140	42665	42840	43015	43540	Tune-up limit (dBm)
Frequency (MHz)				3455	3507.5	3525	3542.5	3595	
10	1	0	QPSK	21.91	21.95	22.00	21.93	21.96	23.00
		25	QPSK	21.60	21.81	21.85	21.84	21.74	23.00
		49	QPSK	21.65	21.87	21.90	21.75	21.88	23.00
	25	0	QPSK	20.79	21.02	21.12	21.03	20.95	22.00
		12	QPSK	20.69	20.82	20.95	20.94	20.91	22.00
		25	QPSK	20.72	20.92	20.97	20.90	20.76	22.00
	50	0	QPSK	20.75	21.01	21.11	21.00	20.87	22.00
10	1	0	16QAM	20.82	21.28	21.43	21.37	20.98	22.00
		25	16QAM	20.97	21.35	21.47	21.45	20.94	22.00
		49	16QAM	20.85	21.36	21.37	21.22	20.98	22.00
	25	0	16QAM	19.88	20.20	20.22	20.10	19.99	21.00
		12	16QAM	19.86	20.11	20.18	20.04	19.94	21.00
		25	16QAM	19.86	20.06	20.19	20.14	19.92	21.00
	50	0	16QAM	19.93	20.12	20.20	20.11	19.98	21.00
10	1	0	64QAM	19.78	19.87	19.92	19.90	19.97	21.00
		25	64QAM	19.71	19.78	19.87	19.78	19.80	21.00
		49	64QAM	19.78	19.78	19.89	19.81	19.91	21.00
	25	0	64QAM	18.89	18.89	18.94	18.90	18.93	20.00
		12	64QAM	18.74	18.93	18.95	18.83	18.93	20.00
		25	64QAM	18.66	18.77	18.81	18.71	18.85	20.00
	50	0	64QAM	18.81	18.77	18.87	18.85	18.95	20.00
Channel				42115	42660	42840	43020	43565	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3507	3525	3543	3597.5	
5	1	0	QPSK	21.90	21.92	22.07	22.05	21.94	23.00
		12	QPSK	21.66	21.82	21.90	21.77	21.76	23.00
		24	QPSK	21.79	21.81	21.83	21.69	21.86	23.00
	12	0	QPSK	20.80	21.04	21.17	21.14	20.97	22.00
		7	QPSK	20.68	20.97	21.06	21.05	20.86	22.00
		13	QPSK	20.65	20.81	20.95	20.86	20.84	22.00
	25	0	QPSK	20.69	21.07	21.13	21.04	20.92	22.00
5	1	0	16QAM	20.95	21.48	21.52	21.39	20.92	22.00
		12	16QAM	20.94	21.31	21.40	21.25	21.02	22.00
		24	16QAM	20.89	21.25	21.39	21.37	21.01	22.00
	12	0	16QAM	19.84	20.13	20.23	20.19	19.95	21.00
		7	16QAM	19.88	20.06	20.20	20.08	19.91	21.00
		13	16QAM	19.93	19.97	20.10	20.08	19.93	21.00
	25	0	16QAM	19.91	20.10	20.25	20.18	20.04	21.00
5	1	0	64QAM	19.86	19.74	19.88	19.83	20.02	21.00
		12	64QAM	19.81	19.79	19.87	19.79	19.75	21.00
		24	64QAM	19.74	19.75	19.86	19.82	19.94	21.00
	12	0	64QAM	18.84	18.83	18.88	18.77	18.97	20.00
		7	64QAM	18.83	18.70	18.84	18.82	18.91	20.00
		13	64QAM	18.75	18.79	18.86	18.73	18.79	20.00
	25	0	64QAM	18.74	18.76	18.87	18.79	19.00	20.00

8.1.17 LTE Band43 Output Power

LTE B43 Full Power ANT1									
BW [MHz]	RB Size	RB Offset	Modulation	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				43690	44140	44590	45040	45490	
Frequency (MHz)				3610	3655	3700	3745	3790	
20	1	0	QPSK	22.12	22.22	22.28	22.25	22.21	23.00
		49	QPSK	21.98	22.00	22.14	22.00	22.03	23.00
		99	QPSK	21.96	22.05	22.11	22.03	22.06	23.00
	50	0	QPSK	21.08	21.11	21.15	21.09	21.17	22.00
		24	QPSK	20.97	20.95	21.01	20.93	20.98	22.00
		50	QPSK	20.97	20.95	21.04	20.98	20.96	22.00
	100	0	QPSK	20.89	20.93	21.00	20.93	21.06	22.00
20	1	0	16QAM	21.11	21.45	21.50	21.39	21.09	22.00
		49	16QAM	21.10	21.33	21.48	21.44	21.08	22.00
		99	16QAM	21.03	21.41	21.43	21.29	21.13	22.00
	50	0	16QAM	20.00	20.00	20.12	19.99	20.10	21.00
		24	16QAM	20.04	20.06	20.08	19.94	20.15	21.00
		50	16QAM	20.06	20.08	20.11	20.09	20.13	21.00
	100	0	16QAM	20.13	20.06	20.08	19.98	20.18	21.00
20	1	0	64QAM	20.10	20.11	20.18	20.14	20.10	21.00
		49	64QAM	19.97	20.02	20.16	20.06	20.14	21.00
		99	64QAM	20.00	20.03	20.18	20.12	20.16	21.00
	50	0	64QAM	18.97	19.12	19.14	19.13	19.14	20.00
		24	64QAM	19.10	19.17	19.26	19.11	19.15	20.00
		50	64QAM	18.98	19.24	19.25	19.11	19.13	20.00
	100	0	64QAM	19.07	19.03	19.13	19.00	19.13	20.00
Channel				43665	44040	44590	45140	45515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3645	3700	3755	3792.5	
15	1	0	QPSK	21.98	22.01	22.16	22.09	22.10	23.00
		37	QPSK	21.91	22.04	22.12	22.03	21.88	23.00
		74	QPSK	21.90	21.93	22.01	21.95	22.03	23.00
	36	0	QPSK	21.04	20.98	21.00	20.87	21.11	22.00
		20	QPSK	20.94	20.85	20.95	20.81	20.83	22.00
		39	QPSK	20.95	20.80	20.95	20.88	20.85	22.00
	75	0	QPSK	20.79	20.70	20.85	20.78	21.00	22.00
15	1	0	16QAM	21.05	21.38	21.44	21.32	20.97	22.00
		37	16QAM	20.98	21.35	21.45	21.38	20.96	22.00
		74	16QAM	20.93	21.33	21.35	21.25	21.12	22.00
	36	0	16QAM	19.87	19.92	20.05	19.92	19.99	21.00
		20	16QAM	20.01	19.82	19.95	19.93	20.03	21.00
		39	16QAM	19.95	19.95	19.99	19.92	20.07	21.00
	75	0	16QAM	20.04	19.93	20.06	20.05	20.07	21.00
15	1	0	64QAM	20.01	20.07	20.11	20.05	20.02	21.00
		37	64QAM	19.84	20.02	20.03	19.97	20.02	21.00
		74	64QAM	19.88	20.05	20.15	20.10	20.15	21.00
	36	0	64QAM	18.85	19.05	19.08	19.00	19.11	20.00
		20	64QAM	19.09	19.01	19.16	19.12	19.13	20.00
		39	64QAM	18.95	19.02	19.14	19.06	19.09	20.00
	75	0	64QAM	19.03	19.09	19.10	18.98	19.09	20.00

Channel				43640	43940	44590	45240	45540	Tune-up limit (dBm)
Frequency (MHz)				3605	3635	3700	3765	3795	
10	1	0	QPSK	22.10	22.14	22.20	22.12	22.15	23.00
		25	QPSK	21.84	21.98	22.07	21.94	22.00	23.00
		49	QPSK	21.94	22.04	22.10	22.03	21.93	23.00
	25	0	QPSK	21.07	20.87	21.01	20.86	21.08	22.00
		12	QPSK	20.88	20.87	20.90	20.86	20.94	22.00
		25	QPSK	20.87	20.96	21.00	20.99	20.86	22.00
	50	0	QPSK	20.79	20.75	20.89	20.78	20.96	22.00
10	1	0	16QAM	21.07	21.25	21.38	21.26	20.95	22.00
		25	16QAM	20.95	21.29	21.36	21.33	21.05	22.00
		49	16QAM	20.99	21.29	21.42	21.40	21.05	22.00
	25	0	16QAM	19.96	20.03	20.11	20.05	20.04	21.00
		12	16QAM	19.92	19.79	19.93	19.85	20.12	21.00
		25	16QAM	20.05	19.96	20.00	19.96	20.01	21.00
	50	0	16QAM	20.10	19.99	20.06	20.02	20.07	21.00
10	1	0	64QAM	19.95	20.02	20.13	20.03	20.09	21.00
		25	64QAM	19.93	20.00	20.12	20.11	19.99	21.00
		49	64QAM	19.87	20.06	20.17	20.02	20.02	21.00
	25	0	64QAM	18.92	18.92	19.03	18.99	19.00	20.00
		12	64QAM	19.01	19.19	19.21	19.09	19.10	20.00
		25	64QAM	18.93	19.09	19.18	19.16	19.08	20.00
	50	0	64QAM	18.92	18.98	19.12	18.98	19.11	20.00
Channel				43615	43840	44590	45340	45565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3625	3700	3775	3797.5	
5	1	0	QPSK	21.99	22.01	22.13	22.05	22.11	23.00
		12	QPSK	21.96	21.93	22.07	22.00	21.91	23.00
		24	QPSK	21.85	21.99	22.08	21.97	22.03	23.00
	12	0	QPSK	21.01	21.13	21.14	21.03	21.03	22.00
		7	QPSK	20.85	20.86	20.87	20.73	20.83	22.00
		13	QPSK	20.94	20.91	21.02	20.88	20.88	22.00
25	0	QPSK	20.79	20.82	20.97	20.96	20.98	22.00	
5	1	0	16QAM	21.02	21.45	21.49	21.40	20.98	22.00
		12	16QAM	21.04	21.31	21.43	21.39	21.05	22.00
		24	16QAM	20.93	21.25	21.31	21.30	21.12	22.00
	12	0	16QAM	19.87	19.99	20.02	20.01	19.96	21.00
		7	16QAM	19.91	19.94	20.01	19.91	20.01	21.00
		13	16QAM	20.00	19.94	20.09	20.03	19.98	21.00
	25	0	16QAM	20.09	19.85	19.93	19.89	20.06	21.00
5	1	0	64QAM	20.03	20.11	20.16	20.10	20.07	21.00
		12	64QAM	19.93	20.11	20.15	20.04	20.11	21.00
		24	64QAM	19.93	20.13	20.15	20.12	20.06	21.00
	12	0	64QAM	18.93	19.03	19.11	19.05	19.03	20.00
		7	64QAM	18.99	19.13	19.17	19.03	19.11	20.00
		13	64QAM	18.85	19.10	19.20	19.08	19.09	20.00
25	0	64QAM	19.03	19.02	19.08	18.98	19.01	20.00	

8.1.18 LTE Band48 Output Power

LTE B48 Full ANT1									
BW [MHz]	RB Size	RB Offset	Modulation	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	22.06	21.93	22.07	21.87	21.82	23.00
		49	QPSK	21.91	21.80	21.93	21.84	21.68	23.00
		99	QPSK	21.95	21.86	21.87	21.79	21.67	23.00
	50	0	QPSK	20.91	20.82	21.08	20.81	20.67	22.00
		24	QPSK	20.95	20.79	21.02	20.73	20.59	22.00
		50	QPSK	20.92	20.69	20.94	20.76	20.68	22.00
	100	0	QPSK	20.95	20.85	21.03	20.73	20.73	22.00
20	1	0	16QAM	20.96	20.86	20.91	20.85	20.67	22.00
		49	16QAM	20.91	20.91	20.94	20.77	20.76	22.00
		99	16QAM	21.04	20.84	20.86	20.82	20.67	22.00
	50	0	16QAM	19.96	19.89	20.05	19.86	19.72	21.00
		24	16QAM	19.91	19.90	20.03	19.81	19.75	21.00
		50	16QAM	20.03	19.81	20.07	19.77	19.79	21.00
	100	0	16QAM	19.96	19.83	20.11	19.83	19.74	21.00
20	1	0	64QAM	19.91	19.91	19.86	19.86	19.67	21.00
		49	64QAM	19.77	19.74	19.89	19.75	19.59	21.00
		99	64QAM	19.94	19.75	19.75	19.76	19.62	21.00
	50	0	64QAM	18.98	18.78	18.80	18.81	18.80	20.00
		24	64QAM	19.03	18.85	18.94	18.81	18.81	20.00
		50	64QAM	18.82	18.78	18.81	18.69	18.58	20.00
	100	0	64QAM	18.93	18.71	18.84	18.70	18.56	20.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	1	0	QPSK	21.97	21.89	21.81	21.76	21.80	23.00
		37	QPSK	21.76	21.63	21.74	21.71	21.43	23.00
		74	QPSK	21.76	21.66	21.63	21.60	21.48	23.00
	36	0	QPSK	20.77	20.70	21.02	20.76	20.65	22.00
		20	QPSK	20.93	20.76	20.97	20.70	20.48	22.00
		39	QPSK	20.81	20.55	20.87	20.62	20.59	22.00
75	0	QPSK	20.73	20.61	20.88	20.52	20.53	22.00	
15	1	0	16QAM	20.85	20.72	20.89	20.78	20.56	22.00
		37	16QAM	20.77	20.89	20.92	20.69	20.73	22.00
		74	16QAM	20.89	20.76	20.77	20.70	20.52	22.00
	36	0	16QAM	19.92	19.85	19.95	19.78	19.60	21.00
		20	16QAM	19.85	19.89	19.90	19.77	19.72	21.00
		39	16QAM	19.89	19.78	19.96	19.76	19.74	21.00
75	0	16QAM	19.95	19.73	20.05	19.82	19.71	21.00	
15	1	0	64QAM	19.78	19.79	19.79	19.77	19.63	21.00
		37	64QAM	19.72	19.69	19.78	19.73	19.58	21.00
		74	64QAM	19.79	19.74	19.69	19.68	19.47	21.00
	36	0	64QAM	18.89	18.68	18.66	18.66	18.66	20.00
		20	64QAM	18.95	18.79	18.87	18.70	18.72	20.00
		39	64QAM	18.67	18.64	18.67	18.66	18.48	20.00
75	0	64QAM	18.82	18.68	18.82	18.65	18.51	20.00	

Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	1	0	QPSK	21.98	21.90	21.80	21.86	21.69	23.00
		25	QPSK	21.76	21.55	21.79	21.61	21.47	23.00
		49	QPSK	21.79	21.61	21.70	21.61	21.56	23.00
	25	0	QPSK	20.82	20.70	21.04	20.68	20.66	22.00
		12	QPSK	20.90	20.74	20.95	20.58	20.44	22.00
		25	QPSK	20.86	20.66	20.92	20.71	20.57	22.00
	50	0	QPSK	20.72	20.73	20.90	20.57	20.61	22.00
10	1	0	16QAM	20.84	20.75	20.85	20.76	20.57	22.00
		25	16QAM	20.83	20.83	20.87	20.64	20.72	22.00
		49	16QAM	21.03	20.81	20.74	20.79	20.54	22.00
	25	0	16QAM	19.93	19.82	19.95	19.76	19.59	21.00
		12	16QAM	19.78	19.83	19.98	19.74	19.74	21.00
		25	16QAM	20.02	19.76	20.01	19.68	19.70	21.00
	50	0	16QAM	19.84	19.70	19.96	19.70	19.65	21.00
10	1	0	64QAM	19.81	19.77	19.76	19.73	19.57	21.00
		25	64QAM	19.63	19.65	19.87	19.66	19.57	21.00
		49	64QAM	19.91	19.60	19.61	19.69	19.48	21.00
	25	0	64QAM	18.93	18.68	18.70	18.68	18.78	20.00
		12	64QAM	18.88	18.74	18.80	18.68	18.72	20.00
		25	64QAM	18.80	18.70	18.72	18.64	18.44	20.00
	50	0	64QAM	18.78	18.57	18.80	18.61	18.55	20.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	1	0	QPSK	21.91	21.82	21.93	21.78	21.78	23.00
		12	QPSK	21.74	21.66	21.80	21.61	21.47	23.00
		24	QPSK	21.83	21.67	21.71	21.61	21.44	23.00
	12	0	QPSK	20.82	20.76	21.03	20.68	20.52	22.00
		7	QPSK	20.82	20.69	20.89	20.71	20.47	22.00
		13	QPSK	20.88	20.64	20.81	20.70	20.67	22.00
	25	0	QPSK	20.73	20.74	20.88	20.57	20.52	22.00
5	1	0	16QAM	20.87	20.79	20.84	20.76	20.54	22.00
		12	16QAM	20.80	20.84	20.87	20.67	20.74	22.00
		24	16QAM	21.01	20.75	20.78	20.73	20.64	22.00
	12	0	16QAM	19.86	19.84	19.94	19.82	19.62	21.00
		7	16QAM	19.90	19.79	19.98	19.78	19.60	21.00
		13	16QAM	19.96	19.71	20.02	19.66	19.70	21.00
	25	0	16QAM	19.84	19.78	19.99	19.73	19.65	21.00
5	1	0	64QAM	19.81	19.88	19.81	19.74	19.52	21.00
		12	64QAM	19.68	19.72	19.75	19.67	19.47	21.00
		24	64QAM	19.81	19.72	19.66	19.70	19.59	21.00
	12	0	64QAM	18.87	18.77	18.74	18.67	18.70	20.00
		7	64QAM	18.93	18.76	18.81	18.75	18.66	20.00
		13	64QAM	18.68	18.73	18.69	18.63	18.51	20.00
	25	0	64QAM	18.85	18.64	18.83	18.64	18.49	20.00

8.1.19 LTE Band7 Output Power

Full power										
LTE Uplink CA_ Band 7 -Ant.0										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	99	1	0	2	22.51	23.50
21100	21298	20	QPSK	1	99	1	0	2	22.62	23.50
21350	21152	20	QPSK	1	0	1	99	2	22.47	23.50

8.1.20 LTE Band66 Output Power

Full power										
LTE Uplink CA_ Band 66 -Ant.0										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	99	1	0	2	22.61	23.50
132322	132520	20	QPSK	1	99	1	0	2	22.75	23.50
132572	132374	20	QPSK	1	0	1	99	2	22.68	23.50

8.1.21 LTE Band38 Output Power

Full power										
LTE Uplink CA_ Band 38 -Ant.0										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	99	1	0	2	22.91	24.00
38000	38198	20	QPSK	1	99	1	0	2	22.94	24.00
38150	37952	20	QPSK	1	0	1	99	2	22.92	24.00

8.1.22 LTE Band41 Output Power

Full power										
LTE Uplink CA_ Band 41 -Ant.0										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	99	1	0	2	22.74	24.00
40185	40383	20	QPSK	1	99	1	0	2	22.81	24.00
40620	40818	20	QPSK	1	99	1	0	2	23.05	24.00
41055	41253	20	QPSK	1	0	1	99	2	22.97	24.00
41490	41688	20	QPSK	1	0	1	99	2	22.88	24.00

8.1.23 LTE Band42 Output Power

Full power										
LTE Uplink CA_ Band 42 -Ant.1										
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.			
42190	42388	20	QPSK	1	99	1	0	2	21.87	23.00
42515	42713	20	QPSK	1	99	1	0	2	21.96	23.00
42840	43038	20	QPSK	1	99	1	0	2	22.03	23.00
43165	43363	20	QPSK	1	0	1	99	2	22.00	23.00
43490	43688	20	QPSK	1	0	1	99	2	21.96	23.00

8.1.24 LTE Band48 Output Power

Full power										
LTE Uplink CA_ Band 48 -Ant.1										
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.			
55340	55538	20	QPSK	1	99	1	0	2	22.01	23.00
55830	56028	20	QPSK	1	99	1	0	2	21.86	23.00
55990	56188	20	QPSK	1	99	1	0	2	22.03	23.00
56150	56348	20	QPSK	1	0	1	99	2	21.84	23.00
56640	56838	20	QPSK	1	0	1	99	2	21.80	23.00

8.2.1 NR Band2 Output Power

N2-ANT0 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				372000	376000	380000	
Frequency(MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.26	23.35	23.30	24.00
		1	53	23.23	23.33	23.28	24.00
		1	104	23.20	23.31	23.29	24.00
		50	0	22.68	22.77	22.72	23.50
		50	28	23.22	23.28	23.25	24.00
		50	56	22.65	22.74	22.75	23.50
		100	0	22.70	22.76	22.74	23.50
	QPSK	1	1	23.24	23.29	23.27	24.00
		1	53	23.23	23.31	23.29	24.00
		1	104	23.26	23.33	23.30	24.00
		50	0	22.17	22.17	22.08	23.00
		50	28	23.28	23.32	23.31	24.00
		50	56	22.03	22.21	22.13	23.00
		100	0	22.04	22.24	22.21	23.00
	16QAM	1	1	22.43	22.46	22.45	23.00
	64QAM	1	1	21.03	21.07	21.06	21.50
Channel				371500	376000	380500	Tune-up power(dBm)
Frequency(MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	23.11	23.28	23.26	24.00
Channel				371000	376000	381000	Tune-up power(dBm)
Frequency(MHz)				1855	1880	1905	
10	QPSK	1	1	23.16	23.22	23.29	24.00
Channel				370500	376000	381500	Tune-up power(dBm)
Frequency(MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	23.20	23.28	23.20	24.00

8.2.1 NR Band2 Output Power

N2-ANT0 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency(MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	20.22	20.34	20.21	21.00
		1	53	20.16	20.27	20.23	21.00
		1	104	20.12	20.29	20.22	21.00
		50	0	19.66	19.75	19.69	20.50
		50	28	20.19	20.24	20.16	21.00
		50	56	19.60	19.72	19.66	20.50
		100	0	19.68	19.75	19.69	20.50
	QPSK	1	1	20.20	20.28	20.22	21.00
		1	53	20.15	20.24	20.21	21.00
		1	104	20.21	20.25	20.22	21.00
		50	0	19.15	19.12	18.99	20.00
		50	28	20.25	20.30	20.30	21.00
		50	56	18.95	19.14	19.05	20.00
		100	0	19.02	19.18	19.18	20.00
	16QAM	1	1	19.41	19.45	19.36	20.00
	64QAM	1	1	18.00	18.03	18.03	18.50
Channel				371500	376000	380500	Tune-up power(dBm)
Frequency(MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	20.09	20.19	20.18	21.00
Channel				371000	376000	381000	Tune-up power(dBm)
Frequency(MHz)				1855	1880	1905	
10	QPSK	1	1	20.10	20.26	20.20	21.00
Channel				370500	376000	381500	Tune-up power(dBm)
Frequency(MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	20.04	20.23	20.17	21.00

8.2.2 NR Band5 Output Power

N5-ANT4 Full power							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency(MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.71	23.74	23.69	24.50
		1	53	23.58	23.65	23.57	24.50
		1	104	23.60	23.62	23.56	24.50
		50	0	23.18	23.22	23.15	24.00
		50	28	23.59	23.61	23.57	24.50
		50	56	23.09	23.13	23.07	24.00
		100	0	23.07	23.15	23.05	24.00
	QPSK	1	1	23.57	23.61	23.54	24.50
		1	53	23.61	23.64	23.60	24.50
		1	104	23.63	23.70	23.57	24.50
		50	0	22.70	22.74	22.64	23.50
		50	28	23.72	23.73	23.68	24.50
		50	56	22.69	22.84	22.57	23.50
		100	0	22.71	22.82	22.56	23.50
	16QAM	1	1	22.76	22.89	22.62	23.50
	64QAM	1	1	21.02	21.07	20.98	22.00
Channel				166300	167300	168300	Tune-up power(dBm)
Frequency(MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.60	23.65	23.64	24.50
Channel				165800	167300	168800	Tune-up power(dBm)
Frequency(MHz)				829	836.5	844	
10	QPSK	1	1	23.62	23.71	23.68	24.50
Channel				165300	167300	169300	Tune-up power(dBm)
Frequency(MHz)				826.5	836.5	846.5	
5	QPSK	1	1	23.58	23.70	23.60	24.50

8.2.2 NR Band5 Output Power

N5-ANT4 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency(MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	20.67	20.73	20.61	21.50
		1	53	20.51	20.57	20.49	21.50
		1	104	20.59	20.55	20.54	21.50
		50	0	20.17	20.17	20.07	21.00
		50	28	20.51	20.57	20.48	21.50
		50	56	20.06	20.11	20.03	21.00
		100	0	20.01	20.13	20.04	21.00
	QPSK	1	1	20.50	20.56	20.46	21.50
		1	53	20.60	20.61	20.52	21.50
		1	104	20.61	20.62	20.49	21.50
		50	0	19.64	19.71	19.56	20.50
		50	28	20.68	20.67	20.63	21.50
		50	56	19.61	19.82	19.51	20.50
		100	0	19.62	19.74	19.47	20.50
	16QAM	1	1	19.70	19.86	19.53	20.50
	64QAM	1	1	17.99	18.05	17.96	19.00
Channel				166300	167300	168300	Tune-up power(dBm)
Frequency(MHz)				831.5	836.5	841.5	
15	QPSK	1	1	20.53	20.63	20.52	21.50
Channel				165800	167300	168800	Tune-up power(dBm)
Frequency(MHz)				829	836.5	844	
10	QPSK	1	1	20.54	20.64	20.50	21.50
Channel				165300	167300	169300	Tune-up power(dBm)
Frequency(MHz)				826.5	836.5	846.5	
5	QPSK	1	1	20.50	20.64	20.50	21.50

8.2.3 NR Band7 Output Power

N7-ANT0 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				504000	507000	510000	
Frequency(MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.64	23.72	23.71	24.50
		1	108	23.61	23.68	23.67	24.50
		1	214	23.65	23.71	23.70	24.00
		108	0	23.04	23.11	23.08	24.00
		108	54	23.62	23.71	23.68	24.50
		108	108	23.06	23.15	23.11	24.00
		216	0	23.03	23.12	23.07	24.00
	QPSK	1	1	23.07	23.14	23.12	24.50
		1	108	22.98	23.08	23.06	24.50
		1	214	22.95	23.07	23.04	24.50
		108	0	22.61	22.69	22.63	23.50
		108	54	23.63	23.68	23.65	24.50
		108	108	22.68	22.78	22.73	23.50
		216	0	22.75	22.82	22.79	23.50
	16QAM	1	1	22.82	22.89	22.85	23.50
	64QAM	1	1	21.26	21.34	21.32	22.00
Channel				503000	507000	511000	Tune-up power(dBm)
Frequency(MHz)				2515	2535	2555	
30	QPSK	1	1	23.57	23.63	23.62	24.50
Channel				502500	507000	511500	Tune-up power(dBm)
Frequency(MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	23.59	23.68	23.60	24.50
Channel				502000	507000	512000	Tune-up power(dBm)
Frequency(MHz)				2510	2535	2560	
20	QPSK	1	1	23.55	23.58	23.62	24.50
Channel				501500	507000	512500	Tune-up power(dBm)
Frequency(MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	23.57	23.67	23.66	24.50
Channel				501000	507000	513000	Tune-up power(dBm)
Frequency(MHz)				2505	2535	2565	
10	QPSK	1	1	23.63	23.67	23.65	24.50
Channel				500500	507000	513500	Tune-up power(dBm)
Frequency(MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	23.58	23.60	23.62	24.50

8.2.3 NR Band7 Output Power

N7-ANT0 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency(MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	20.58	20.71	20.69	21.50
		1	108	20.59	20.65	20.63	21.50
		1	214	20.61	20.68	20.68	21.50
		108	0	19.97	20.05	20.07	21.00
		108	54	20.54	20.64	20.61	21.50
		108	108	20.02	20.10	20.09	21.00
		216	0	20.02	20.07	19.98	21.00
	QPSK	1	1	20.00	20.11	20.05	21.50
		1	108	19.93	20.07	20.05	21.50
		1	214	19.86	20.04	19.96	21.50
		108	0	19.59	19.66	19.60	20.50
		108	54	20.55	20.66	20.59	21.50
		108	108	19.63	19.76	19.69	20.50
		216	0	19.70	19.77	19.74	20.50
	16QAM	1	1	19.81	19.83	19.78	20.50
	64QAM	1	1	18.17	18.29	18.31	19.00
Channel				503000	507000	511000	Tune-up power(dBm)
Frequency(MHz)				2515	2535	2555	
30	QPSK	1	1	20.58	20.63	20.69	21.50
Channel				502500	507000	511500	Tune-up power(dBm)
Frequency(MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	20.60	20.68	20.67	21.50
Channel				502000	507000	512000	Tune-up power(dBm)
Frequency(MHz)				2510	2535	2560	
20	QPSK	1	1	20.56	20.66	20.62	21.50
Channel				501500	507000	512500	Tune-up power(dBm)
Frequency(MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	20.56	20.70	20.64	21.50
Channel				501000	507000	513000	Tune-up power(dBm)
Frequency(MHz)				2505	2535	2565	
10	QPSK	1	1	20.62	20.65	20.62	21.50
Channel				500500	507000	513500	Tune-up power(dBm)
Frequency(MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	20.61	20.66	20.64	21.50

8.2.4 NR Band12 Output Power

N12-ANT4 Full power							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency(MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.40	23.43	23.36	24.50
		1	40	23.31	23.31	23.27	24.50
		1	77	23.26	23.37	23.34	24.50
		36	0	22.76	22.81	22.72	24.00
		36	22	23.35	23.40	23.31	24.50
		36	43	22.71	22.76	22.66	24.00
		75	0	22.63	22.71	22.60	24.00
	QPSK	1	1	23.33	23.38	23.27	24.50
		1	40	23.36	23.40	23.26	24.50
		1	77	23.34	23.38	23.31	24.50
		36	0	22.34	22.39	22.33	23.50
		36	22	23.35	23.30	23.28	24.50
		36	43	22.30	22.37	22.23	23.50
		75	0	22.32	22.41	22.30	23.50
	16QAM	1	1	22.31	22.49	22.32	23.50
	64QAM	1	1	20.62	20.67	20.54	22.00
Channel				140800	141500	142200	Tune-up power(dBm)
Frequency(MHz)				704	707.5	711	
10	QPSK	1	1	23.30	23.34	23.25	24.50
Channel				140300	141500	142700	Tune-up power(dBm)
Frequency(MHz)				701.5	707.5	713.5	
5	QPSK	1	1	23.26	23.38	23.21	24.50

8.2.4 NR Band12 Output Power

N12-ANT4 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency(MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	20.34	20.41	20.32	21.50
		1	40	20.22	20.22	20.25	21.50
		1	77	20.21	20.35	20.28	21.50
		36	0	19.73	19.80	19.68	21.00
		36	22	20.32	20.36	20.22	21.50
		36	43	19.69	19.73	19.65	21.00
		75	0	19.60	19.67	19.56	21.00
	QPSK	1	1	20.29	20.34	20.18	21.50
		1	40	20.27	20.32	20.17	21.50
		1	77	20.31	20.33	20.28	21.50
		36	0	19.29	19.34	19.26	20.50
		36	22	20.32	20.24	20.22	21.50
		36	43	19.22	19.34	19.15	20.50
		75	0	19.26	19.34	19.25	20.50
	16QAM	1	1	19.24	19.43	19.31	20.50
	64QAM	1	1	17.57	17.66	17.53	19.00
Channel				140800	141500	142200	Tune-up power(dBm)
Frequency(MHz)				704	707.5	711	
10	QPSK	1	1	20.26	20.25	20.22	21.50
Channel				140300	141500	142700	Tune-up power(dBm)
Frequency(MHz)				701.5	707.5	713.5	
5	QPSK	1	1	20.22	20.22	20.20	21.50

8.2.5 NR Band13 Output Power

N13-ANT4 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				156400			
Frequency(MHz)				782			
10	PI/2 BPSK	1	1		23.37		24.50
		1	26		23.34		24.50
		1	50		23.36		24.50
		25	0		22.95		24.00
		25	14		23.33		24.50
		25	27		22.92		24.00
		50	0		22.94		24.00
	QPSK	1	1		23.31		24.50
		1	26		23.34		24.50
		1	50		23.28		24.50
		25	0		22.76		23.50
		25	14		23.34		24.50
		25	27		22.74		23.50
		50	0		22.72		23.50
	16QAM	1	1		22.77		23.50
	64QAM	1	1		21.15		22.00
Channel				155900	156400	156900	Tune-up power(dBm)
Frequency(MHz)				779.5	782	784.5	
5	QPSK	1	1	23.26	23.30	23.22	24.50

8.2.6 NR Band14 Output Power

N14-ANT4 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				158600			
Frequency(MHz)				793			
10	PI/2 BPSK	1	1		23.65		24.50
		1	26		23.64		24.50
		1	50		23.62		24.50
		25	0		23.16		24.00
		25	14		23.63		24.50
		25	27		23.15		24.00
		50	0		23.12		24.00
	QPSK	1	1		23.61		24.50
		1	26		23.58		24.50
		1	50		23.59		24.50
		25	0		22.95		23.50
		25	14		23.63		24.50
		25	27		22.94		23.50
		50	0		22.92		23.50
	16QAM	1	1		22.97		23.50
	64QAM	1	1		21.34		22.00
Channel				158100	158600	159100	Tune-up power(dBm)
Frequency(MHz)				790.5	793	795.5	
5	QPSK	1	1	23.60	23.64	23.57	24.50

8.2.6 NR Band14 Output Power

N14-ANT4 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				158600			
Frequency(MHz)				793			
10	PI/2 BPSK	1	1		20.63		21.50
		1	26		20.57		21.50
		1	50		20.55		21.50
		25	0		20.15		21.00
		25	14		20.59		21.50
		25	27		20.11		21.00
		50	0		20.07		21.00
	QPSK	1	1		20.56		21.50
		1	26		20.54		21.50
		1	50		20.58		21.50
		25	0		19.91		20.50
		25	14		20.56		21.50
		25	27		19.93		20.50
		50	0		19.85		20.50
	16QAM	1	1		19.91		20.50
	64QAM	1	1		18.33		19.00
Channel				158100	158600	159100	Tune-up power(dBm)
Frequency(MHz)				790.5	793	795.5	
5	QPSK	1	1	20.56	20.58	20.53	21.50

8.2.7 NR Band25 Output Power

N25-ANT0 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	23.25	23.33	23.31	24.00
		1	108	23.23	23.32	23.28	24.00
		1	214	23.21	23.29	23.26	24.00
		108	0	22.72	22.82	22.79	23.50
		108	54	23.21	23.28	23.27	24.00
		108	108	22.71	22.78	22.75	23.50
		216	0	22.67	22.75	22.72	23.50
	QPSK	1	1	23.24	23.31	23.28	24.00
		1	108	23.19	23.30	23.27	24.00
		1	214	23.22	23.27	23.25	24.00
		108	0	22.47	22.58	22.55	23.00
		108	54	23.18	23.26	23.24	24.00
		108	108	22.46	22.54	22.51	23.00
		216	0	22.49	22.58	22.55	23.00
	16QAM	1	1	22.46	22.53	22.50	23.00
	64QAM	1	1	20.94	21.05	21.01	21.50
Channel				373000	376500	380000	Tune-up power(dBm)
Frequency(MHz)				1865	1882.5	1900	
30	QPSK	1	1	23.13	23.31	23.19	24.00
Channel				372500	376500	380500	Tune-up power(dBm)
Frequency(MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	23.14	23.25	23.21	24.00
Channel				372000	376500	381000	Tune-up power(dBm)
Frequency(MHz)				1860	1882.5	1905	
20	QPSK	1	1	23.21	23.27	23.20	24.00
Channel				371500	376500	381500	Tune-up power(dBm)
Frequency(MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	23.13	23.32	23.24	24.00
Channel				371000	376500	382000	Tune-up power(dBm)
Frequency(MHz)				1855	1882.5	1910	
10	QPSK	1	1	23.23	23.30	23.18	24.00
Channel				370500	376500	382500	Tune-up power(dBm)
Frequency(MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	23.16	23.31	23.19	24.00

8.2.7 NR Band25 Output Power

N25-ANT0 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency(MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	20.17	20.29	20.23	21.00
		1	108	20.15	20.29	20.24	21.00
		1	214	20.17	20.28	20.24	21.00
		108	0	19.63	19.81	19.76	20.50
		108	54	20.18	20.24	20.25	21.00
		108	108	19.66	19.73	19.66	20.50
		216	0	19.66	19.68	19.66	20.50
	QPSK	1	1	20.22	20.26	20.19	21.00
		1	108	20.16	20.29	20.18	21.00
		1	214	20.18	20.23	20.24	21.00
		108	0	19.39	19.55	19.53	20.00
		108	54	20.16	20.23	20.16	21.00
		108	108	19.43	19.50	19.46	20.00
		216	0	19.46	19.53	19.51	20.00
	16QAM	1	1	19.38	19.46	19.48	20.00
	64QAM	1	1	17.93	17.96	17.99	18.50
Channel				373000	376500	380000	Tune-up power(dBm)
Frequency(MHz)				1865	1882.5	1900	
30	QPSK	1	1	20.18	20.32	20.29	21.00
Channel				372500	376500	380500	Tune-up power(dBm)
Frequency(MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	20.19	20.32	20.27	21.00
Channel				372000	376500	381000	Tune-up power(dBm)
Frequency(MHz)				1860	1882.5	1905	
20	QPSK	1	1	20.19	20.26	20.25	21.00
Channel				371500	376500	381500	Tune-up power(dBm)
Frequency(MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	20.22	20.30	20.22	21.00
Channel				371000	376500	382000	Tune-up power(dBm)
Frequency(MHz)				1855	1882.5	1910	
10	QPSK	1	1	20.19	20.26	20.25	21.00
Channel				370500	376500	382500	Tune-up power(dBm)
Frequency(MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	20.16	20.25	20.29	21.00

8.2.8 NR Band26 Output Power

N26-ANT4 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				164800	166300	167800	
Frequency(MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	23.46	23.62	23.59	24.50
		1	53	23.44	23.58	23.56	24.50
		1	104	23.45	23.60	23.55	24.50
		50	0	23.05	23.19	23.14	24.00
		50	28	23.48	23.57	23.52	24.50
		50	56	23.04	23.16	23.15	24.00
		100	0	23.08	23.18	23.12	24.00
	QPSK	1	1	23.49	23.61	23.57	24.50
		1	53	23.45	23.57	23.55	24.50
		1	104	23.41	23.55	23.47	24.50
		50	0	22.75	22.81	22.79	23.50
		50	28	23.44	23.54	23.52	24.50
		50	56	22.78	22.86	22.84	23.50
		100	0	22.71	22.84	22.81	23.50
	16QAM	1	1	22.84	22.91	22.86	23.50
	64QAM	1	1	21.22	21.34	21.33	22.00
Channel				164300	166300	168300	Tune-up power(dBm)
Frequency(MHz)				821.5	831.5	841.5	
15	QPSK	1	1	23.37	23.57	23.54	24.50
Channel				163800	166300	168800	Tune-up power(dBm)
Frequency(MHz)				819	831.5	844	
10	QPSK	1	1	23.35	23.49	23.44	24.50
Channel				163300	166300	169300	Tune-up power(dBm)
Frequency(MHz)				816.5	831.5	846.5	
5	QPSK	1	1	23.43	23.51	23.48	24.50

8.2.8 NR Band26 Output Power

N26-ANT4 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency(MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	20.37	20.57	20.51	21.50
		1	53	20.37	20.50	20.50	21.50
		1	104	20.40	20.53	20.46	21.50
		50	0	19.99	20.11	20.06	21.00
		50	28	20.39	20.56	20.46	21.50
		50	56	19.95	20.09	20.14	21.00
		100	0	20.05	20.16	20.03	21.00
	QPSK	1	1	20.43	20.55	20.55	21.50
		1	53	20.37	20.56	20.46	21.50
		1	104	20.40	20.54	20.41	21.50
		50	0	19.71	19.74	19.77	20.50
		50	28	20.43	20.49	20.47	21.50
		50	56	19.69	19.80	19.81	20.50
		100	0	19.64	19.77	19.78	20.50
	16QAM	1	1	19.75	19.83	19.84	20.50
	64QAM	1	1	18.20	18.28	18.30	19.00
Channel				164300	166300	168300	Tune-up power(dBm)
Frequency(MHz)				821.5	831.5	841.5	
15	QPSK	1	1	20.43	20.53	20.51	21.50
Channel				163800	166300	168800	Tune-up power(dBm)
Frequency(MHz)				819	831.5	844	
10	QPSK	1	1	20.39	20.61	20.50	21.50
Channel				163300	166300	169300	Tune-up power(dBm)
Frequency(MHz)				816.5	831.5	846.5	
5	QPSK	1	1	20.45	20.54	20.58	21.50

8.2.9 NR Band30 Output Power

N30-ANT0 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				462000			
Frequency(MHz)				2310			
10	PI/2 BPSK	1	1		23.04		24.00
		1	26		22.97		24.00
		1	50		22.95		24.00
		25	0		22.45		23.50
		25	14		23.02		24.00
		25	27		22.47		23.50
		50	0		22.43		23.50
	QPSK	1	1		23.02		24.00
		1	26		23.01		24.00
		1	50		22.95		24.00
		25	0		22.25		23.00
		25	14		22.97		24.00
		25	27		22.26		23.00
		50	0		22.29		23.00
	16QAM	1	1		22.28		23.00
	64QAM	1	1		20.74		21.50
Channel				461500	462000	462500	Tune-up power(dBm)
Frequency(MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	22.92	23.00	22.97	24.00

8.2.9 NR Band30 Output Power

N30-ANT0 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				462000			
Frequency(MHz)				2310			
10	PI/2 BPSK	1	1		19.98		21.00
		1	26		19.94		21.00
		1	50		19.91		21.00
		25	0		19.39		20.50
		25	14		19.95		21.00
		25	27		19.44		20.50
		50	0		19.37		20.50
	QPSK	1	1		20.00		21.00
		1	26		19.97		21.00
		1	50		19.90		21.00
		25	0		19.20		20.00
		25	14		19.96		21.00
		25	27		19.22		20.00
		50	0		19.25		20.00
	16QAM	1	1		19.23		20.00
	64QAM	1	1		17.67		18.50
Channel				461500	462000	462500	Tune-up power(dBm)
Frequency(MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	19.91	19.98	19.95	21.00

8.2.10 NR Ban66 Output Power

N66-ANT0 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	23.28	23.36	23.31	24.00
		1	108	23.26	23.34	23.33	24.00
		1	214	23.29	23.35	23.30	24.00
		108	0	22.76	22.83	22.79	23.50
		108	54	23.25	23.32	23.28	24.00
		108	108	22.77	22.85	22.82	23.50
		216	0	22.75	22.87	22.86	23.50
	QPSK	1	1	23.24	23.31	23.27	24.00
		1	108	23.21	23.29	23.26	24.00
		1	214	23.28	23.35	23.34	24.00
		108	0	22.47	22.53	22.49	23.00
		108	54	23.26	23.34	23.31	24.00
		108	108	22.49	22.57	22.54	23.00
		216	0	22.45	22.52	22.49	23.00
	16QAM	1	1	22.43	22.55	22.51	23.00
	64QAM	1	1	20.68	20.75	20.72	21.50
Channel				345500	349000	352500	Tune-up power(dBm)
Frequency(MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	23.22	23.33	23.26	24.00
Channel				345000	349000	353000	Tune-up power(dBm)
Frequency(MHz)				1725	1745	1765	
30	QPSK	1	1	23.19	23.34	23.26	24.00
Channel				344500	349000	353500	Tune-up power(dBm)
Frequency(MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	23.16	23.35	23.25	24.00
Channel				344000	349000	354000	Tune-up power(dBm)
Frequency(MHz)				1720	1745	1770	
20	QPSK	1	1	23.13	23.35	23.27	24.00
Channel				343500	349000	354500	Tune-up power(dBm)
Frequency(MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	23.20	23.28	23.26	24.00
Channel				343000	349000	355000	Tune-up power(dBm)
Frequency(MHz)				1715	1745	1775	
10	QPSK	1	1	23.20	23.29	23.24	24.00
Channel				342500	349000	355500	Tune-up power(dBm)
Frequency(MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.24	23.31	23.17	24.00

8.2.10 NR Ban66 Output Power

N66-ANT0 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency(MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	20.27	20.27	20.24	21.00
		1	108	20.18	20.26	20.29	21.00
		1	214	20.24	20.31	20.21	21.00
		108	0	19.74	19.76	19.71	20.50
		108	54	20.24	20.31	20.22	21.00
		108	108	19.74	19.79	19.77	20.50
		216	0	19.70	19.84	19.82	20.50
	QPSK	1	1	20.16	20.26	20.23	21.00
		1	108	20.13	20.26	20.22	21.00
		1	214	20.21	20.31	20.32	21.00
		108	0	19.43	19.48	19.45	20.00
		108	54	20.22	20.28	20.29	21.00
		108	108	19.44	19.48	19.48	20.00
		216	0	19.41	19.48	19.46	20.00
	16QAM	1	1	19.35	19.54	19.50	20.00
	64QAM	1	1	17.64	17.71	17.71	18.50
Channel				345500	349000	352500	Tune-up power(dBm)
Frequency(MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	20.20	20.31	20.23	21.00
Channel				345000	349000	353000	Tune-up power(dBm)
Frequency(MHz)				1725	1745	1765	
30	QPSK	1	1	20.19	20.32	20.24	21.00
Channel				344500	349000	353500	Tune-up power(dBm)
Frequency(MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	20.19	20.32	20.28	21.00
Channel				344000	349000	354000	Tune-up power(dBm)
Frequency(MHz)				1720	1745	1770	
20	QPSK	1	1	20.25	20.34	20.28	21.00
Channel				343500	349000	354500	Tune-up power(dBm)
Frequency(MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	20.22	20.28	20.27	21.00
Channel				343000	349000	355000	Tune-up power(dBm)
Frequency(MHz)				1715	1745	1775	
10	QPSK	1	1	20.20	20.28	20.24	21.00
Channel				342500	349000	355500	Tune-up power(dBm)
Frequency(MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	20.24	20.29	20.22	21.00

8.2.11 NR Band71 Output Power

N71-ANT4 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	23.84	23.87	23.76	25.00
		1	53	23.82	23.85	23.72	25.00
		1	104	23.80	23.82	23.71	25.00
		50	0	23.33	23.35	23.25	24.50
		50	28	23.82	23.86	23.78	25.00
		50	56	23.19	23.22	23.14	24.50
		100	0	23.26	23.28	23.19	24.50
	QPSK	1	1	23.79	23.84	23.75	25.00
		1	53	23.77	23.81	23.73	25.00
		1	104	23.76	23.83	23.71	25.00
		50	0	22.98	23.04	22.87	24.00
		50	28	23.84	23.85	23.78	25.00
		50	56	22.92	23.02	22.85	24.00
		100	0	23.01	23.05	22.89	24.00
	16QAM	1	1	23.03	23.06	22.84	24.00
	64QAM	1	1	21.48	21.52	21.41	22.50
Channel				134100	136100	138100	Tune-up power(dBm)
Frequency(MHz)				670.5	680.5	690.5	
15	QPSK	1	1	23.73	23.78	23.65	25.00
Channel				133600	136100	138600	Tune-up power(dBm)
Frequency(MHz)				668	680.5	693	
10	QPSK	1	1	23.75	23.86	23.62	25.00
Channel				133100	136100	139100	Tune-up power(dBm)
Frequency(MHz)				665.5	680.5	695.5	
5	QPSK	1	1	23.71	23.86	23.65	25.00

8.2.11 NR Band71 Output Power

N71-ANT4 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency(MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	20.83	20.78	20.71	22.00
		1	53	20.73	20.80	20.70	22.00
		1	104	20.78	20.81	20.63	22.00
		50	0	20.25	20.29	20.17	21.50
		50	28	20.79	20.81	20.73	22.00
		50	56	20.13	20.14	20.05	21.50
		100	0	20.19	20.23	20.13	21.50
	QPSK	1	1	20.71	20.79	20.74	22.00
		1	53	20.76	20.79	20.66	22.00
		1	104	20.73	20.80	20.70	22.00
		50	0	19.93	19.98	19.82	21.00
		50	28	20.83	20.79	20.69	22.00
		50	56	19.91	19.97	19.82	21.00
		100	0	19.95	20.02	19.86	21.00
	16QAM	1	1	19.96	20.04	19.75	21.00
	64QAM	1	1	18.39	18.50	18.32	19.50
Channel				134100	136100	138100	Tune-up power(dBm)
Frequency(MHz)				670.5	680.5	690.5	
15	QPSK	1	1	20.81	20.82	20.69	22.00
Channel				133600	136100	138600	Tune-up power(dBm)
Frequency(MHz)				668	680.5	693	
10	QPSK	1	1	20.74	20.84	20.71	22.00
Channel				133100	136100	139100	Tune-up power(dBm)
Frequency(MHz)				665.5	680.5	695.5	
5	QPSK	1	1	20.78	20.77	20.63	22.00

8.2.12 NR Band38 Output Power

N38-ANT0 Full power							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				518004	519000	519996	Tune-up power(dBm)
Frequency(MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	23.84	23.93	23.91	25.00
		1	53	23.76	23.91	23.89	25.00
		1	104	23.78	23.87	23.85	25.00
		50	0	23.27	23.35	23.33	24.50
		50	28	23.82	23.92	23.88	25.00
		50	56	23.78	23.85	23.81	24.50
		100	0	23.72	23.81	23.79	24.50
	QPSK	1	1	23.81	23.90	23.87	25.00
		1	53	23.80	23.89	23.84	25.00
		1	104	23.79	23.85	23.88	25.00
		50	0	22.78	22.97	22.83	24.00
		50	28	23.82	23.92	23.87	25.00
		50	56	22.76	22.94	22.87	24.00
		100	0	22.84	22.95	22.86	24.00
	16QAM	1	1	22.82	22.96	22.88	24.00
	64QAM	1	1	21.48	21.56	21.54	22.50
Channel				517002	519000	520998	Tune-up power(dBm)
Frequency(MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	23.76	23.91	23.85	25.00
Channel				516504	519000	521496	Tune-up power(dBm)
Frequency(MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	23.69	23.79	23.87	25.00
Channel				516000	519000	522000	Tune-up power(dBm)
Frequency(MHz)				2580	2595	2610	
20	QPSK	1	1	23.77	23.88	23.84	25.00
Channel				515502	519000	522498	Tune-up power(dBm)
Frequency(MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	23.75	23.87	23.82	25.00
Channel				515004	519000	522996	Tune-up power(dBm)
Frequency(MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	23.77	23.88	23.82	25.00
Channel				514500	519000	523500	Tune-up power(dBm)
Frequency(MHz)				2572.5	2595	2617.5	
5	QPSK	1	1	23.78	23.88	23.76	25.00

8.2.12 NR Band38 Output Power

N38-ANT4 Full power							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				518004	519000	519996	Tune-up power(dBm)
Frequency(MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	24.43	24.48	24.47	25.50
		1	53	24.41	24.45	24.43	25.50
		1	104	24.38	24.46	24.40	25.50
		50	0	23.87	23.95	23.92	25.00
		50	28	24.37	24.44	24.42	25.50
		50	56	23.82	23.89	23.86	25.00
		100	0	23.84	23.91	23.88	25.00
	QPSK	1	1	24.33	24.39	24.37	25.50
		1	53	24.28	24.36	24.34	25.50
		1	104	24.32	24.41	24.38	25.50
		50	0	23.37	23.46	23.43	24.50
		50	28	24.31	24.39	24.37	25.50
		50	56	23.30	23.37	23.35	24.50
		100	0	23.27	23.34	23.31	24.50
	16QAM	1	1	23.06	23.13	23.11	24.50
	64QAM	1	1	22.18	22.23	22.21	23.00
Channel				517002	519000	520998	Tune-up power(dBm)
Frequency(MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	24.30	24.43	24.37	25.50
Channel				516504	519000	521496	Tune-up power(dBm)
Frequency(MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	24.34	24.46	24.38	25.50
Channel				516000	519000	522000	Tune-up power(dBm)
Frequency(MHz)				2580	2595	2610	
20	QPSK	1	1	24.38	24.43	24.33	25.50
Channel				515502	519000	522498	Tune-up power(dBm)
Frequency(MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	24.28	24.36	24.38	25.50
Channel				515004	519000	522996	Tune-up power(dBm)
Frequency(MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	24.30	24.38	24.40	25.50
Channel				514500	519000	523500	Tune-up power(dBm)
Frequency(MHz)				2572.5	2595	2617.5	
5	QPSK	1	1	24.28	24.43	24.41	25.50

8.2.12 NR Band38 Output Power

N38-ANT0 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				518004	519000	519996	Tune-up power(dBm)
Frequency(MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	20.83	20.92	20.83	22.00
		1	53	20.73	20.82	20.81	22.00
		1	104	20.75	20.86	20.78	22.00
		50	0	20.24	20.32	20.30	21.50
		50	28	20.74	20.91	20.85	22.00
		50	56	20.72	20.77	20.78	21.50
		100	0	20.70	20.77	20.73	21.50
	QPSK	1	1	20.79	20.82	20.83	22.00
		1	53	20.77	20.85	20.83	22.00
		1	104	20.75	20.76	20.81	22.00
		50	0	19.72	19.92	19.74	21.00
		50	28	20.75	20.87	20.79	22.00
		50	56	19.70	19.87	19.82	21.00
		100	0	19.77	19.93	19.80	21.00
	16QAM	1	1	19.77	19.93	19.84	21.00
	64QAM	1	1	18.39	18.51	18.45	19.50
Channel				517002	519000	520998	Tune-up power(dBm)
Frequency(MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	20.67	20.82	20.87	22.00
Channel				516504	519000	521496	Tune-up power(dBm)
Frequency(MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	20.71	20.90	20.88	22.00
Channel				516000	519000	522000	Tune-up power(dBm)
Frequency(MHz)				2580	2595	2610	
20	QPSK	1	1	20.74	20.83	20.84	22.00
Channel				515502	519000	522498	Tune-up power(dBm)
Frequency(MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	20.72	20.83	20.87	22.00
Channel				515004	519000	522996	Tune-up power(dBm)
Frequency(MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	20.72	20.82	20.85	22.00
Channel				514500	519000	523500	Tune-up power(dBm)
Frequency(MHz)				2572.5	2595	2617.5	
5	QPSK	1	1	20.68	20.83	20.82	22.00

8.2.12 NR Band38 Output Power

N38-ANT4 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				518004	519000	519996	Tune-up power(dBm)
Frequency(MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	21.36	21.46	21.43	22.50
		1	53	21.32	21.41	21.41	22.50
		1	104	21.36	21.40	21.37	22.00
		50	0	20.83	20.92	20.86	21.50
		50	28	21.36	21.42	21.41	22.00
		50	56	20.74	20.88	20.81	21.50
		100	0	20.76	20.84	20.85	21.50
	QPSK	1	1	21.32	21.38	21.32	22.00
		1	53	21.24	21.28	21.29	22.00
		1	104	21.25	21.38	21.31	22.00
		50	0	20.28	20.39	20.37	21.00
		50	28	21.29	21.35	21.31	22.00
		50	56	20.28	20.35	20.27	21.00
		100	0	20.23	20.30	20.25	21.00
	16QAM	1	1	20.03	20.06	20.04	21.00
	64QAM	1	1	19.17	19.16	19.12	19.50
Channel				517002	519000	520998	Tune-up power(dBm)
Frequency(MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	21.40	21.39	21.39	22.50
Channel				516504	519000	521496	Tune-up power(dBm)
Frequency(MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	21.36	21.43	21.34	22.50
Channel				516000	519000	522000	Tune-up power(dBm)
Frequency(MHz)				2580	2595	2610	
20	QPSK	1	1	21.33	21.39	21.42	22.50
Channel				515502	519000	522498	Tune-up power(dBm)
Frequency(MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	21.33	21.39	21.35	22.50
Channel				515004	519000	522996	Tune-up power(dBm)
Frequency(MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	21.37	21.40	21.37	22.50
Channel				514500	519000	523500	Tune-up power(dBm)
Frequency(MHz)				2572.5	2595	2617.5	
5	QPSK	1	1	21.36	21.37	21.39	22.50

8.2.13 NR Band41 Output Power

N41-ANT0 Full power							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				509202	518598	528000	Tune-up power(dBm)
Frequency(MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.39	25.48	25.43	26.00
		1	137	25.36	25.46	25.41	26.00
		1	271	25.38	25.43	25.34	26.00
		135	0	24.48	24.55	24.52	25.50
		135	69	25.35	25.42	25.39	26.00
		135	138	24.39	24.48	24.44	25.50
		270	0	24.37	24.44	24.43	25.50
	QPSK	1	1	25.37	25.41	25.39	26.00
		1	137	25.34	25.45	25.40	26.00
		1	271	25.36	25.46	25.37	26.00
		135	0	24.45	24.53	24.51	25.50
		135	69	25.35	25.47	25.41	26.00
		135	138	24.34	24.55	24.52	25.00
		270	0	24.31	24.52	24.48	25.00
	16QAM	1	1	24.43	24.57	24.55	25.00
	64QAM	1	1	22.86	22.95	22.92	23.50
Channel				508200	518598	528996	Tune-up power(dBm)
Frequency(MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	25.25	25.46	25.39	26.00
Channel				507204	518598	529998	Tune-up power(dBm)
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	25.29	25.35	25.41	26.00
Channel				506202	518598	531000	Tune-up power(dBm)
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	25.28	25.33	25.33	26.00
Channel				505200	518598	531996	Tune-up power(dBm)
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	25.31	25.41	25.32	26.00
Channel				504204	518598	532998	Tune-up power(dBm)
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	25.28	25.40	25.37	26.00
Channel				503202	518598	534000	Tune-up power(dBm)
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	25.29	25.47	25.28	26.00
Channel				502200	518598	534996	Tune-up power(dBm)
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	25.27	25.47	25.30	26.00
Channel				501204	518598	535998	Tune-up power(dBm)
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	25.27	25.38	25.42	26.00
Channel				500202	518598	537000	Tune-up power(dBm)
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	25.29	25.44	25.41	26.00

8.2.13 NR Band41 Output Power

N41-ANT0 Full power-ENDC							
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	22.37	22.45	22.37	23.00
		1	137	22.32	22.45	22.32	23.00
		1	271	22.32	22.42	22.29	23.00
		135	0	21.42	21.46	21.48	22.50
		135	69	22.32	22.40	22.37	23.00
		135	138	21.35	21.39	21.36	22.50
		270	0	21.36	21.36	21.41	22.50
	QPSK	1	1	22.28	22.37	22.32	23.00
		1	137	22.25	22.37	22.32	23.00
		1	271	22.34	22.44	22.34	23.00
		135	0	21.43	21.47	21.46	22.00
		135	69	22.31	22.39	22.32	23.00
		135	138	21.25	21.47	21.45	22.00
		270	0	21.30	21.49	21.41	22.00
	16QAM	1	1	21.39	21.51	21.46	22.00
	64QAM	1	1	19.80	19.87	19.84	20.50
Channel				508200	518598	528996	Tune-up power(dBm)
Frequency(MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	22.33	22.41	22.33	23.00
Channel				507204	518598	529998	Tune-up power(dBm)
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	22.34	22.45	22.35	23.00
Channel				506202	518598	531000	Tune-up power(dBm)
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	22.30	22.42	22.35	23.00
Channel				505200	518598	531996	Tune-up power(dBm)
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	22.31	22.39	22.35	23.00
Channel				504204	518598	532998	Tune-up power(dBm)
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	22.34	22.44	22.36	23.00
Channel				503202	518598	534000	Tune-up power(dBm)
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	22.27	22.40	22.34	23.00
Channel				502200	518598	534996	Tune-up power(dBm)
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	22.29	22.44	22.36	23.00
Channel				501204	518598	535998	Tune-up power(dBm)
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	22.29	22.42	22.36	23.00
Channel				500202	518598	537000	Tune-up power(dBm)
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	22.30	22.37	22.40	23.00

8.2.13 NR Band41 Output Power

N41-ANT4 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	24.13	24.15	23.85	25.00
		1	137	24.01	24.08	23.82	25.00
		1	271	24.09	24.10	23.74	25.00
		135	0	23.10	23.13	22.89	24.50
		135	69	24.03	24.10	23.83	25.00
		135	138	23.08	23.11	22.86	24.50
		270	0	23.15	23.18	22.83	24.50
	QPSK	1	1	23.99	24.14	23.78	25.00
		1	137	24.02	24.09	23.76	25.00
		1	271	24.04	24.11	23.82	25.00
		135	0	23.12	23.16	22.97	24.00
		135	69	24.08	24.08	23.84	25.00
		135	138	23.21	23.22	22.06	24.00
		270	0	23.14	23.16	22.01	24.00
	16QAM	1	1	23.23	23.28	23.09	24.00
	64QAM	1	1	21.72	21.78	21.58	22.50
Channel				508200	518598	528996	Tune-up power(dBm)
Frequency(MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	23.98	24.08	23.84	25.00
Channel				507204	518598	529998	Tune-up power(dBm)
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	24.03	24.04	23.84	25.00
Channel				506202	518598	531000	Tune-up power(dBm)
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	24.12	24.14	23.79	25.00
Channel				505200	518598	531996	Tune-up power(dBm)
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	24.04	24.14	23.79	25.00
Channel				504204	518598	532998	Tune-up power(dBm)
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	24.07	24.11	23.81	25.00
Channel				503202	518598	534000	Tune-up power(dBm)
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	24.10	24.13	23.82	25.00
Channel				502200	518598	534996	Tune-up power(dBm)
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	24.01	24.09	23.70	25.00
Channel				501204	518598	535998	Tune-up power(dBm)
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	24.03	24.09	23.83	25.00
Channel				500202	518598	537000	Tune-up power(dBm)
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	24.06	24.14	23.73	25.00

8.2.13 NR Band41 Output Power

N41-ANT4 Full power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				509202	518598	528000	Tune-up power(dBm)
Frequency(MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.06	21.09	20.77	22.00
		1	137	20.95	21.04	20.79	22.00
		1	271	21.00	21.01	20.65	22.00
		135	0	20.04	20.04	19.85	21.50
		135	69	20.99	21.04	20.79	22.00
		135	138	19.99	20.09	19.77	21.50
		270	0	20.12	20.17	19.76	21.50
	QPSK	1	1	20.90	21.10	20.71	22.00
		1	137	21.01	21.03	20.67	22.00
		1	271	20.98	21.02	20.80	22.00
		135	0	20.05	20.14	19.91	21.00
		135	69	21.02	20.99	20.76	22.00
		135	138	20.13	20.14	19.05	21.00
		270	0	20.05	20.15	18.94	21.00
	16QAM	1	1	20.19	20.20	20.07	21.00
	64QAM	1	1	18.64	18.70	18.57	19.50
Channel				508200	518598	528996	Tune-up power(dBm)
Frequency(MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	20.92	21.02	20.79	22.00
Channel				507204	518598	529998	Tune-up power(dBm)
Frequency(MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	20.93	21.03	20.81	22.00
Channel				506202	518598	531000	Tune-up power(dBm)
Frequency(MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	20.99	21.00	20.80	22.00
Channel				505200	518598	531996	Tune-up power(dBm)
Frequency(MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	21.00	21.00	20.75	22.00
Channel				504204	518598	532998	Tune-up power(dBm)
Frequency(MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	20.98	21.04	20.81	22.00
Channel				503202	518598	534000	Tune-up power(dBm)
Frequency(MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	20.98	21.06	20.74	22.00
Channel				502200	518598	534996	Tune-up power(dBm)
Frequency(MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	20.96	21.02	20.73	22.00
Channel				501204	518598	535998	Tune-up power(dBm)
Frequency(MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	20.95	21.04	20.80	22.00
Channel				500202	518598	537000	Tune-up power(dBm)
Frequency(MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	20.96	21.05	20.74	22.00

8.2.14 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	19.12	19.14	19.06	20.00
		1	53	19.01	19.09	18.74	20.00
		1	104	19.07	19.08	18.73	20.00
		50	0	18.49	18.49	18.29	19.50
		50	28	18.93	18.96	18.83	20.00
		50	56	18.43	18.43	18.32	19.50
		100	0	18.36	18.49	18.25	19.50
	QPSK	1	1	18.97	19.06	18.77	20.00
		1	53	19.00	19.03	18.79	20.00
		1	104	19.05	19.09	18.87	20.00
		50	0	17.87	17.98	17.84	19.00
		50	28	18.96	19.02	18.82	20.00
		50	56	17.90	17.91	17.80	19.00
		100	0	17.94	17.97	17.73	19.00
	16QAM	1	1	17.60	17.63	17.45	19.00
	64QAM	1	1	16.82	16.83	16.67	17.50
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	19.06	19.12	18.77	20.00
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	19.08	19.16	18.85	20.00
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	19.11	19.14	18.85	20.00
Channel				636834	641666	646500	Tune-up power(dBm)
Frequency(MHz)				3552.51	3624.99	3697.5	
5	QPSK	1	1	19.13	19.15	18.78	20.00

8.2.14 NR Band48 Output Power

N48-ANT4 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	21.83	21.85	21.74	23.00
		1	53	21.80	21.81	21.69	23.00
		1	104	21.70	21.80	21.73	23.00
		50	0	21.28	21.31	21.22	22.50
		50	28	21.71	21.77	21.63	23.00
		50	56	21.27	21.28	21.19	22.50
		100	0	21.23	21.25	21.17	22.50
	QPSK	1	1	21.73	21.76	21.72	23.00
		1	53	21.74	21.75	21.61	23.00
		1	104	21.76	21.78	21.63	23.00
		50	0	21.33	21.35	21.22	22.00
		50	28	21.68	21.70	21.61	23.00
		50	56	21.19	21.23	21.15	22.00
		100	0	21.18	21.22	21.13	22.00
	16QAM	1	1	20.45	20.48	20.39	22.00
	64QAM	1	1	19.57	19.59	19.47	20.50
Channel				637668	641666	645666	Tune-up power(dBm)
Frequency(MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	21.81	21.84	21.71	23.00
Channel				637334	641666	646000	Tune-up power(dBm)
Frequency(MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	21.71	21.78	21.60	23.00
Channel				637000	641666	646332	Tune-up power(dBm)
Frequency(MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	21.70	21.73	21.62	23.00
Channel				636834	641666	646500	Tune-up power(dBm)
Frequency(MHz)				3552.51	3624.99	3697.5	
5	QPSK	1	1	21.71	21.74	21.65	23.00

8.2.15 NR Band77 Output Power

N77(3450-3650MHz)-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				633334	636666	640000	Tune-up
Frequency(MHz)				3500.01	3549.99	3600	power(dBm)
100	PI/2 BPSK	1	1	20.34	20.46	20.44	21.50
		1	137	20.21	20.35	20.26	21.50
		1	271	20.22	20.33	20.29	21.50
		135	0	19.76	20.04	19.95	21.00
		135	69	20.12	20.42	20.38	21.50
		135	138	19.77	20.04	19.89	21.00
		270	0	19.77	20.01	19.89	21.00
	QPSK	1	1	20.17	20.33	20.27	21.50
		1	137	20.15	20.26	20.31	21.50
		1	271	20.12	20.29	20.30	21.50
		135	0	19.28	19.44	19.37	20.50
		135	69	20.15	20.40	20.37	21.50
		135	138	19.27	19.43	19.37	20.50
		270	0	19.34	19.44	19.23	20.50
	DFT-s-OFDM 16QAM	1	1	18.80	18.97	18.95	20.50
	DFT-s-OFDM 64QAM	1	1	18.91	18.13	18.12	19.00
Channel				633000	636666	640332	Tune-up
Frequency(MHz)				3495	3549.99	3604.98	power(dBm)
90	DFT-s-OFDM BPSK	1	1	20.27	20.43	20.39	21.50
Channel				632668	636666	640666	Tune-up
Frequency(MHz)				3490.02	3549.99	3609.99	power(dBm)
80	DFT-s-OFDM BPSK	1	1	20.29	20.43	20.41	21.50
Channel				632000	636666	641332	Tune-up
Frequency(MHz)				3480	3549.99	3619.98	power(dBm)
60	DFT-s-OFDM BPSK	1	1	20.23	20.40	20.42	21.50
Channel				631668	636666	641666	Tune-up
Frequency(MHz)				3475.02	3549.99	3624.99	power(dBm)
50	DFT-s-OFDM BPSK	1	1	20.23	20.44	20.36	21.50
Channel				631334	636666	642000	Tune-up
Frequency(MHz)				3470.01	3549.99	3630	power(dBm)
40	DFT-s-OFDM BPSK	1	1	20.25	20.38	20.37	21.50
Channel				631000	636666	642332	Tune-up
Frequency(MHz)				3465	3549.99	3634.98	power(dBm)
30	DFT-s-OFDM BPSK	1	1	20.29	20.38	20.39	21.50
Channel				630834	636666	642500	Tune-up
Frequency(MHz)				3462.51	3549.99	3637.5	power(dBm)
25	DFT-s-OFDM BPSK	1	1	20.23	20.39	20.36	21.50
Channel				630668	636666	642666	Tune-up
Frequency(MHz)				3460.02	3549.99	3639.99	power(dBm)
20	DFT-s-OFDM BPSK	1	1	20.29	20.46	20.37	21.50
Channel				630500	636666	642832	Tune-up
Frequency(MHz)				3457.5	3549.99	3642.48	power(dBm)
15	DFT-s-OFDM BPSK	1	1	20.25	20.42	20.44	21.50
Channel				630334	636666	643000	Tune-up
Frequency(MHz)				3455.01	3549.99	3645	power(dBm)
10	DFT-s-OFDM BPSK	1	1	20.31	20.46	20.41	21.50

8.2.15 NR Band77 Output Power

N77(3450-3650MHz)-ANT1 Full Power -ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	636666	640000	Tune-up
Frequency(MHz)				3500.01	3549.99	3600	power(dBm)
100	PI/2 BPSK	1	1	17.20	17.45	17.41	18.50
		1	137	17.18	17.28	17.20	18.50
		1	271	17.18	17.24	17.25	18.50
		135	0	16.67	17.00	16.92	18.00
		135	69	17.10	17.41	17.33	18.50
		135	138	16.72	17.03	16.85	18.00
		270	0	16.74	16.97	16.81	18.00
	QPSK	1	1	17.16	17.24	17.19	18.50
		1	137	17.13	17.24	17.28	18.50
		1	271	17.05	17.23	17.23	18.50
		135	0	16.27	16.38	16.36	17.50
		135	69	17.13	17.33	17.32	18.50
		135	138	16.22	16.35	16.32	17.50
		270	0	16.26	16.36	16.22	17.50
	DFT-s-OFDM 16QAM	1	1	15.73	15.92	15.92	17.50
	DFT-s-OFDM 64QAM	1	1	15.90	15.11	15.03	16.00
Channel				633000	636666	640332	Tune-up
Frequency(MHz)				3495	3549.99	3604.98	power(dBm)
90	DFT-s-OFDM BPSK	1	1	17.18	17.31	17.19	18.50
Channel				632668	636666	640666	Tune-up
Frequency(MHz)				3490.02	3549.99	3609.99	power(dBm)
80	DFT-s-OFDM BPSK	1	1	17.19	17.30	17.22	18.50
Channel				632000	636666	641332	Tune-up
Frequency(MHz)				3480	3549.99	3619.98	power(dBm)
60	DFT-s-OFDM BPSK	1	1	17.17	17.30	17.20	18.50
Channel				631668	636666	641666	Tune-up
Frequency(MHz)				3475.02	3549.99	3624.99	power(dBm)
50	DFT-s-OFDM BPSK	1	1	17.16	17.32	17.18	18.50
Channel				631334	636666	642000	Tune-up
Frequency(MHz)				3470.01	3549.99	3630	power(dBm)
40	DFT-s-OFDM BPSK	1	1	17.14	17.33	17.19	18.50
Channel				631000	636666	642332	Tune-up
Frequency(MHz)				3465	3549.99	3634.98	power(dBm)
30	DFT-s-OFDM BPSK	1	1	17.15	17.34	17.18	18.50
Channel				630834	636666	642500	Tune-up
Frequency(MHz)				3462.51	3549.99	3637.5	power(dBm)
25	DFT-s-OFDM BPSK	1	1	17.15	17.32	17.25	18.50
Channel				630668	636666	642666	Tune-up
Frequency(MHz)				3460.02	3549.99	3639.99	power(dBm)
20	DFT-s-OFDM BPSK	1	1	17.13	17.26	17.22	18.50
Channel				630500	636666	642832	Tune-up
Frequency(MHz)				3457.5	3549.99	3642.48	power(dBm)
15	DFT-s-OFDM BPSK	1	1	17.13	17.26	17.18	18.50
Channel				630334	636666	643000	Tune-up
Frequency(MHz)				3455.01	3549.99	3645	power(dBm)
10	DFT-s-OFDM BPSK	1	1	17.12	17.28	17.25	18.50

8.2.15 NR Band77 Output Power

N77(3450-3650MHz)-ANT4 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				633334	636666	640000	Tune-up
Frequency(MHz)				3500.01	3549.99	3600	power(dBm)
100	PI/2 BPSK	1	1	25.52	25.54	25.43	26.00
		1	137	25.51	25.52	25.41	26.00
		1	271	25.48	25.51	25.39	26.00
		135	0	24.91	24.92	24.87	25.50
		135	69	25.46	25.49	25.41	26.00
		135	138	24.81	24.84	24.72	25.50
	QPSK	270	0	24.85	24.88	24.78	25.50
		1	1	25.42	25.45	25.37	26.00
		1	137	25.39	25.42	25.35	26.00
		1	271	25.38	25.43	25.36	26.00
		135	0	24.37	24.42	24.39	25.00
		135	69	25.44	25.47	25.40	26.00
		135	138	24.29	24.33	24.27	25.00
		270	0	24.34	24.38	24.33	25.00
	DFT-s-OFDM 16QAM	1	1	24.68	24.73	24.65	25.00
	DFT-s-OFDM 64QAM	1	1	23.21	23.26	23.20	23.50
Channel				633000	636666	640332	Tune-up
Frequency(MHz)				3495	3549.99	3604.98	power(dBm)
90	DFT-s-OFDM BPSK	1	1	25.40	25.46	25.35	26.00
Channel				632668	636666	640666	Tune-up
Frequency(MHz)				3490.02	3549.99	3609.99	power(dBm)
80	DFT-s-OFDM BPSK	1	1	25.43	25.40	25.32	26.00
Channel				632000	636666	641332	Tune-up
Frequency(MHz)				3480	3549.99	3619.98	power(dBm)
60	DFT-s-OFDM BPSK	1	1	25.51	25.45	25.33	26.00
Channel				631668	636666	641666	Tune-up
Frequency(MHz)				3475.02	3549.99	3624.99	power(dBm)
50	DFT-s-OFDM BPSK	1	1	25.40	25.44	25.42	26.00
Channel				631334	636666	642000	Tune-up
Frequency(MHz)				3470.01	3549.99	3630	power(dBm)
40	DFT-s-OFDM BPSK	1	1	25.42	25.45	25.39	26.00
Channel				631000	636666	642332	Tune-up
Frequency(MHz)				3465	3549.99	3634.98	power(dBm)
30	DFT-s-OFDM BPSK	1	1	25.44	25.40	25.39	26.00
Channel				630834	636666	642500	Tune-up
Frequency(MHz)				3462.51	3549.99	3637.5	power(dBm)
25	DFT-s-OFDM BPSK	1	1	25.44	25.45	25.42	26.00
Channel				630668	636666	642666	Tune-up
Frequency(MHz)				3460.02	3549.99	3639.99	power(dBm)
20	DFT-s-OFDM BPSK	1	1	25.43	25.41	25.38	26.00
Channel				630500	636666	642832	Tune-up
Frequency(MHz)				3457.5	3549.99	3642.48	power(dBm)
15	DFT-s-OFDM BPSK	1	1	25.45	25.51	25.39	26.00
Channel				630334	636666	643000	Tune-up
Frequency(MHz)				3455.01	3549.99	3645	power(dBm)
10	DFT-s-OFDM BPSK	1	1	25.46	25.51	25.41	26.00

8.2.15 NR Band77 Output Power

N77(3450-3650MHz)-ANT4 Full Power -ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	636666	640000	Tune-up
Frequency(MHz)				3500.01	3549.99	3600	power(dBm)
100	PI/2 BPSK	1	1	22.48	22.45	22.35	23.00
		1	137	22.50	22.50	22.36	23.00
		1	271	22.39	22.42	22.31	23.00
		135	0	21.89	21.87	21.81	22.50
		135	69	22.41	22.45	22.39	23.00
		135	138	21.74	21.75	21.63	22.50
		270	0	21.83	21.79	21.76	22.50
	QPSK	1	1	22.36	22.40	22.30	23.00
		1	137	22.32	22.34	22.27	23.00
		1	271	22.31	22.38	22.35	23.00
		135	0	21.31	21.39	21.31	22.00
		135	69	22.41	22.40	22.39	23.00
		135	138	21.25	21.26	21.26	22.00
		270	0	21.29	21.33	21.31	22.00
	DFT-s-OFDM 16QAM	1	1	21.60	21.71	21.56	22.00
	DFT-s-OFDM 64QAM	1	1	20.14	20.25	20.11	20.50
Channel				633000	636666	640332	Tune-up
Frequency(MHz)				3495	3549.99	3604.98	power(dBm)
90	DFT-s-OFDM BPSK	1	1	22.43	22.49	22.39	23.00
Channel				632668	636666	640666	Tune-up
Frequency(MHz)				3490.02	3549.99	3609.99	power(dBm)
80	DFT-s-OFDM BPSK	1	1	22.50	22.45	22.33	23.00
Channel				632000	636666	641332	Tune-up
Frequency(MHz)				3480	3549.99	3619.98	power(dBm)
60	DFT-s-OFDM BPSK	1	1	22.46	22.51	22.40	23.00
Channel				631668	636666	641666	Tune-up
Frequency(MHz)				3475.02	3549.99	3624.99	power(dBm)
50	DFT-s-OFDM BPSK	1	1	22.44	22.43	22.38	23.00
Channel				631334	636666	642000	Tune-up
Frequency(MHz)				3470.01	3549.99	3630	power(dBm)
40	DFT-s-OFDM BPSK	1	1	22.48	22.49	22.36	23.00
Channel				631000	636666	642332	Tune-up
Frequency(MHz)				3465	3549.99	3634.98	power(dBm)
30	DFT-s-OFDM BPSK	1	1	22.46	22.43	22.33	23.00
Channel				630834	636666	642500	Tune-up
Frequency(MHz)				3462.51	3549.99	3637.5	power(dBm)
25	DFT-s-OFDM BPSK	1	1	22.42	22.48	22.32	23.00
Channel				630668	636666	642666	Tune-up
Frequency(MHz)				3460.02	3549.99	3639.99	power(dBm)
20	DFT-s-OFDM BPSK	1	1	22.45	22.49	22.34	23.00
Channel				630500	636666	642832	Tune-up
Frequency(MHz)				3457.5	3549.99	3642.48	power(dBm)
15	DFT-s-OFDM BPSK	1	1	22.50	22.48	22.36	23.00
Channel				630334	636666	643000	Tune-up
Frequency(MHz)				3455.01	3549.99	3645	power(dBm)
10	DFT-s-OFDM BPSK	1	1	22.46	22.43	22.39	23.00

8.2.15 NR Band77 Output Power

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	Tune-up power(dBm)
Frequency(MHz)				3750	3840	3930	Tune-up power(dBm)
100	PI/2 BPSK	1	1	19.81	19.80	19.57	20.50
		1	137	19.76	19.78	19.57	20.50
		1	271	19.70	19.73	19.56	20.50
		135	0	19.54	19.30	19.19	20.00
		135	69	19.82	19.77	19.48	20.50
		135	138	19.17	19.17	19.06	20.00
		270	0	19.23	19.18	19.05	20.00
	QPSK	1	1	19.69	19.68	19.48	20.50
		1	137	19.64	19.67	19.61	20.50
		1	271	19.78	19.74	19.47	20.50
		135	0	18.60	18.70	18.57	19.50
		135	69	19.64	19.64	19.55	20.50
		135	138	18.61	18.59	18.51	19.50
		270	0	18.53	18.62	18.51	19.50
	DFT-s-OFDM 16QAM	1	1	18.85	18.44	18.94	19.50
	DFT-s-OFDM 64QAM	1	1	17.97	17.53	17.11	18.00
Channel				649668	656000	662332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3840	3934.98	Tune-up power(dBm)
90	DFT-s-OFDM BPSK	1	1	19.74	19.81	19.58	20.50
Channel				649334	656000	662666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3840	3939.99	Tune-up power(dBm)
80	DFT-s-OFDM BPSK	1	1	19.79	19.80	19.61	20.50
Channel				649000	656000	663000	Tune-up power(dBm)
Frequency(MHz)				3735	3840	3945	Tune-up power(dBm)
70	DFT-s-OFDM BPSK	1	1	19.79	19.78	19.65	20.50
Channel				648668	656000	663332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3840	3949.98	Tune-up power(dBm)
60	DFT-s-OFDM BPSK	1	1	19.80	19.83	19.62	20.50
Channel				648334	656000	663666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3840	3954.99	Tune-up power(dBm)
50	DFT-s-OFDM BPSK	1	1	19.82	19.79	19.65	20.50
Channel				648000	656000	664000	Tune-up power(dBm)
Frequency(MHz)				3720	3840	3960	Tune-up power(dBm)
40	DFT-s-OFDM BPSK	1	1	19.80	19.84	19.61	20.50
Channel				647668	656000	664332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3840	3964.98	Tune-up power(dBm)
30	DFT-s-OFDM BPSK	1	1	19.79	19.84	19.62	20.50
Channel				647500	656000	664500	Tune-up power(dBm)
Frequency(MHz)				3712.5	3840	3967.5	Tune-up power(dBm)
25	DFT-s-OFDM BPSK	1	1	19.74	19.84	19.62	20.50
Channel				647334	656000	664666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3840	3969.99	Tune-up power(dBm)
20	DFT-s-OFDM BPSK	1	1	19.74	19.83	19.61	20.50
Channel				647168	656000	664832	Tune-up power(dBm)
Frequency(MHz)				3707.52	3840	3972.48	Tune-up power(dBm)
15	DFT-s-OFDM BPSK	1	1	19.78	19.77	19.59	20.50
Channel				647000	656000	665000	Tune-up power(dBm)
Frequency(MHz)				3705	3840	3975	Tune-up power(dBm)
10	DFT-s-OFDM BPSK	1	1	19.76	19.77	19.64	20.50

8.2.15 NR Band77 Output Power

N77(3700-3980MHz)-ANT1 Full Power-ENDC							
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	Tune-up power(dBm)
Frequency(MHz)				3750	3840	3930	Tune-up power(dBm)
100	PI/2 BPSK	1	1	16.67	16.78	16.55	17.50
		1	137	16.75	16.72	16.54	17.50
		1	271	16.61	16.68	16.52	17.50
		135	0	16.46	16.22	16.18	17.00
		135	69	16.65	16.69	16.44	17.50
		135	138	16.14	16.14	16.05	17.00
	QPSK	270	0	16.16	16.11	15.97	17.00
		1	1	16.62	16.66	16.41	17.50
		1	137	16.59	16.60	16.59	17.50
		1	271	16.74	16.66	16.45	17.50
		135	0	15.55	15.61	15.56	16.50
		135	69	16.63	16.55	16.53	17.50
		135	138	15.53	15.57	15.42	16.50
		270	0	15.49	15.58	15.48	16.50
	DFT-s-OFDM 16QAM	1	1	15.76	15.39	15.85	16.50
	DFT-s-OFDM 64QAM	1	1	14.91	14.48	14.03	15.00
Channel				649668	656000	662332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3840	3934.98	Tune-up power(dBm)
90	DFT-s-OFDM BPSK	1	1	16.68	16.70	16.54	17.50
Channel				649334	656000	662666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3840	3939.99	Tune-up power(dBm)
80	DFT-s-OFDM BPSK	1	1	16.74	16.69	16.56	17.50
Channel				649000	656000	663000	Tune-up power(dBm)
Frequency(MHz)				3735	3840	3945	Tune-up power(dBm)
70	DFT-s-OFDM BPSK	1	1	16.75	16.75	16.52	17.50
Channel				648668	656000	663332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3840	3949.98	Tune-up power(dBm)
60	DFT-s-OFDM BPSK	1	1	16.69	16.77	16.52	17.50
Channel				648334	656000	663666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3840	3954.99	Tune-up power(dBm)
50	DFT-s-OFDM BPSK	1	1	16.71	16.76	16.54	17.50
Channel				648000	656000	664000	Tune-up power(dBm)
Frequency(MHz)				3720	3840	3960	Tune-up power(dBm)
40	DFT-s-OFDM BPSK	1	1	16.75	16.76	16.50	17.50
Channel				647668	656000	664332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3840	3964.98	Tune-up power(dBm)
30	DFT-s-OFDM BPSK	1	1	16.74	16.75	16.53	17.50
Channel				647500	656000	664500	Tune-up power(dBm)
Frequency(MHz)				3712.5	3840	3967.5	Tune-up power(dBm)
25	DFT-s-OFDM BPSK	1	1	16.67	16.71	16.49	17.50
Channel				647334	656000	664666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3840	3969.99	Tune-up power(dBm)
20	DFT-s-OFDM BPSK	1	1	16.72	16.76	16.51	17.50
Channel				647168	656000	664832	Tune-up power(dBm)
Frequency(MHz)				3707.52	3840	3972.48	Tune-up power(dBm)
15	DFT-s-OFDM BPSK	1	1	16.75	16.74	16.49	17.50
Channel				647000	656000	665000	Tune-up power(dBm)
Frequency(MHz)				3705	3840	3975	Tune-up power(dBm)
10	DFT-s-OFDM BPSK	1	1	16.70	16.73	16.48	17.50

8.2.15 NR Band77 Output Power

N77(3700-3980MHz)-ANT4 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	Tune-up power(dBm)
Frequency(MHz)				3750	3840	3930	Tune-up power(dBm)
100	PI/2 BPSK	1	1	25.41	25.35	25.36	26.00
		1	137	25.23	25.25	25.26	26.00
		1	271	25.27	25.31	24.94	26.00
		135	0	24.72	24.75	24.46	25.50
		135	69	25.32	25.27	25.03	26.00
		135	138	24.71	24.62	24.39	25.50
		270	0	24.63	24.70	24.45	25.50
	QPSK	1	1	25.29	25.24	24.92	26.00
		1	137	25.23	25.33	24.94	26.00
		1	271	25.28	25.30	24.95	26.00
		135	0	24.20	24.23	23.97	25.00
		135	69	25.28	25.32	24.92	26.00
		135	138	24.11	24.12	23.86	25.00
		270	0	24.05	24.08	23.88	25.00
	DFT-s-OFDM 16QAM	1	1	24.36	24.38	24.13	25.00
	DFT-s-OFDM 64QAM	1	1	22.92	22.96	22.73	23.50
Channel				649668	656000	662332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3840	3934.98	Tune-up power(dBm)
90	DFT-s-OFDM BPSK	1	1	25.24	25.34	25.03	26.00
Channel				649334	656000	662666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3840	3939.99	Tune-up power(dBm)
80	DFT-s-OFDM BPSK	1	1	25.23	25.28	24.99	26.00
Channel				649000	656000	663000	Tune-up power(dBm)
Frequency(MHz)				3735	3840	3945	Tune-up power(dBm)
70	DFT-s-OFDM BPSK	1	1	25.26	25.28	24.95	26.00
Channel				648668	656000	663332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3840	3949.98	Tune-up power(dBm)
60	DFT-s-OFDM BPSK	1	1	25.21	25.32	24.92	26.00
Channel				648334	656000	663666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3840	3954.99	Tune-up power(dBm)
50	DFT-s-OFDM BPSK	1	1	25.29	25.23	24.95	26.00
Channel				648000	656000	664000	Tune-up power(dBm)
Frequency(MHz)				3720	3840	3960	Tune-up power(dBm)
40	DFT-s-OFDM BPSK	1	1	25.19	25.20	25.01	26.00
Channel				647668	656000	664332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3840	3964.98	Tune-up power(dBm)
30	DFT-s-OFDM BPSK	1	1	25.21	25.32	25.04	26.00
Channel				647500	656000	664500	Tune-up power(dBm)
Frequency(MHz)				3712.5	3840	3967.5	Tune-up power(dBm)
25	DFT-s-OFDM BPSK	1	1	25.20	25.26	24.96	26.00
Channel				647334	656000	664666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3840	3969.99	Tune-up power(dBm)
20	DFT-s-OFDM BPSK	1	1	25.18	25.34	25.00	26.00
Channel				647168	656000	664832	Tune-up power(dBm)
Frequency(MHz)				3707.52	3840	3972.48	Tune-up power(dBm)
15	DFT-s-OFDM BPSK	1	1	25.29	25.34	24.99	26.00
Channel				647000	656000	665000	Tune-up power(dBm)
Frequency(MHz)				3705	3840	3975	Tune-up power(dBm)
10	DFT-s-OFDM BPSK	1	1	25.21	25.30	25.03	26.00

8.2.15 NR Band77 Output Power

N77(3700-3980MHz)-ANT4 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	Tune-up power(dBm)
Frequency(MHz)				3750	3840	3930	Tune-up power(dBm)
100	PI/2 BPSK	1	1	22.24	22.29	22.03	23.00
		1	137	22.19	22.18	22.01	23.00
		1	271	22.25	22.26	21.93	23.00
		135	0	21.70	21.73	21.44	22.50
		135	69	22.11	22.26	21.89	23.00
		135	138	21.69	21.55	21.35	22.50
		270	0	21.57	21.63	21.42	22.50
	QPSK	1	1	22.20	22.15	21.91	23.00
		1	137	22.19	22.29	21.86	23.00
		1	271	22.19	22.25	21.87	23.00
		135	0	21.19	21.21	20.88	22.00
		135	69	22.21	22.30	21.88	23.00
		135	138	21.06	21.09	20.81	22.00
		270	0	21.02	21.07	20.82	22.00
	DFT-s-OFDM 16QAM	1	1	21.33	21.37	21.12	22.00
	DFT-s-OFDM 64QAM	1	1	19.86	19.90	19.71	20.50
Channel				649668	656000	662332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3840	3934.98	Tune-up power(dBm)
90	DFT-s-OFDM BPSK	1	1	22.16	22.23	22.04	23.00
Channel				649334	656000	662666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3840	3939.99	Tune-up power(dBm)
80	DFT-s-OFDM BPSK	1	1	22.17	22.19	22.04	23.00
Channel				649000	656000	663000	Tune-up power(dBm)
Frequency(MHz)				3735	3840	3945	Tune-up power(dBm)
70	DFT-s-OFDM BPSK	1	1	22.21	22.17	22.00	23.00
Channel				648668	656000	663332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3840	3949.98	Tune-up power(dBm)
60	DFT-s-OFDM BPSK	1	1	22.19	22.17	22.01	23.00
Channel				648334	656000	663666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3840	3954.99	Tune-up power(dBm)
50	DFT-s-OFDM BPSK	1	1	22.22	22.23	21.99	23.00
Channel				648000	656000	664000	Tune-up power(dBm)
Frequency(MHz)				3720	3840	3960	Tune-up power(dBm)
40	DFT-s-OFDM BPSK	1	1	22.14	22.24	22.02	23.00
Channel				647668	656000	664332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3840	3964.98	Tune-up power(dBm)
30	DFT-s-OFDM BPSK	1	1	22.22	22.20	22.01	23.00
Channel				647500	656000	664500	Tune-up power(dBm)
Frequency(MHz)				3712.5	3840	3967.5	Tune-up power(dBm)
25	DFT-s-OFDM BPSK	1	1	22.20	22.16	21.97	23.00
Channel				647334	656000	664666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3840	3969.99	Tune-up power(dBm)
20	DFT-s-OFDM BPSK	1	1	22.22	22.18	21.98	23.00
Channel				647168	656000	664832	Tune-up power(dBm)
Frequency(MHz)				3707.52	3840	3972.48	Tune-up power(dBm)
15	DFT-s-OFDM BPSK	1	1	22.19	22.22	22.03	23.00
Channel				647000	656000	665000	Tune-up power(dBm)
Frequency(MHz)				3705	3840	3975	Tune-up power(dBm)
10	DFT-s-OFDM BPSK	1	1	22.15	22.24	22.02	23.00

8.2.16 NR Band78 Output Power

N78(3450-3650MHz)-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				633334	636666	640000	Tune-up
Frequency(MHz)				3500.01	3549.99	3600	power(dBm)
100	PI/2 BPSK	1	1	19.31	19.50	19.43	20.50
		1	137	19.33	19.42	19.36	20.50
		1	271	19.28	19.33	19.28	20.50
		135	0	18.82	19.02	19.04	20.00
		135	69	19.18	19.43	19.39	20.50
		135	138	18.86	19.15	18.95	20.00
	QPSK	270	0	18.79	19.07	19.00	20.00
		1	1	19.19	19.42	19.32	20.50
		1	137	19.21	19.30	19.35	20.50
		1	271	19.17	19.36	19.36	20.50
		135	0	18.33	18.50	18.45	19.50
		135	69	19.21	19.48	19.39	20.50
		135	138	18.37	18.49	18.42	19.50
		270	0	18.37	18.49	18.36	19.50
	16QAM	1	1	17.82	18.02	18.01	19.50
	64QAM	1	1	17.84	17.14	17.11	18.00
Channel				633000	636666	640332	Tune-up
Frequency(MHz)				3495	3549.99	3604.98	power(dBm)
90	QPSK	1	1	19.30	19.50	19.44	20.50
Channel				632668	636666	640666	Tune-up
Frequency(MHz)				3490.02	3549.99	3609.99	power(dBm)
80	QPSK	1	1	19.28	19.48	19.43	20.50
Channel				632000	636666	641332	Tune-up
Frequency(MHz)				3480	3549.99	3619.98	power(dBm)
60	QPSK	1	1	19.31	19.49	19.46	20.50
Channel				631668	636666	641666	Tune-up
Frequency(MHz)				3475.02	3549.99	3624.99	power(dBm)
50	QPSK	1	1	19.31	19.48	19.45	20.50
Channel				631334	636666	642000	Tune-up
Frequency(MHz)				3470.01	3549.99	3630	power(dBm)
40	QPSK	1	1	19.31	19.46	19.46	20.50
Channel				631000	636666	642332	Tune-up
Frequency(MHz)				3465	3549.99	3634.98	power(dBm)
30	QPSK	1	1	19.30	19.47	19.45	20.50
Channel				630834	636666	642500	Tune-up
Frequency(MHz)				3462.51	3549.99	3637.5	power(dBm)
20	QPSK	1	1	19.29	19.48	19.48	20.50
Channel				630668	636666	642666	Tune-up
Frequency(MHz)				3460.02	3549.99	3639.99	power(dBm)
10	QPSK	1	1	19.29	19.48	19.46	20.50
Channel				630500	636666	642832	Tune-up
Frequency(MHz)				3457.5	3549.99	3642.48	power(dBm)
15	QPSK	1	1	19.33	19.47	19.49	20.50
Channel				630334	636666	643000	Tune-up
Frequency(MHz)				3455.01	3549.99	3645	power(dBm)
10	QPSK	1	1	19.33	19.47	19.46	20.50

8.2.16 NR Band78 Output Power

N78(3450-3650MHz)-ANT1 Full Power -ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	636666	640000	Tune-up
Frequency(MHz)				3500.01	3549.99	3600	power(dBm)
100	PI/2 BPSK	1	1	16.26	16.48	16.36	17.50
		1	137	16.31	16.40	16.35	17.50
		1	271	16.24	16.30	16.24	17.50
		135	0	15.74	15.99	16.00	17.00
		135	69	16.13	16.37	16.31	17.50
		135	138	15.83	16.10	15.90	17.00
		270	0	15.73	16.02	15.95	17.00
	QPSK	1	1	16.16	16.37	16.24	17.50
		1	137	16.16	16.28	16.31	17.50
		1	271	16.12	16.32	16.30	17.50
		135	0	15.32	15.41	15.36	16.50
		135	69	16.17	16.46	16.34	17.50
		135	138	15.30	15.42	15.38	16.50
		270	0	15.32	15.48	15.32	16.50
	16QAM	1	1	14.79	14.96	14.92	16.50
	64QAM	1	1	14.75	14.08	14.06	15.00
Channel				633000	636666	640332	Tune-up
Frequency(MHz)				3495	3549.99	3604.98	power(dBm)
90	QPSK	1	1	16.26	16.34	16.31	17.50
Channel				632668	636666	640666	Tune-up
Frequency(MHz)				3490.02	3549.99	3609.99	power(dBm)
80	QPSK	1	1	16.24	16.35	16.34	17.50
Channel				632000	636666	641332	Tune-up
Frequency(MHz)				3480	3549.99	3619.98	power(dBm)
60	QPSK	1	1	16.26	16.35	16.35	17.50
Channel				631668	636666	641666	Tune-up
Frequency(MHz)				3475.02	3549.99	3624.99	power(dBm)
50	QPSK	1	1	16.32	16.41	16.35	17.50
Channel				631334	636666	642000	Tune-up
Frequency(MHz)				3470.01	3549.99	3630	power(dBm)
40	QPSK	1	1	16.24	16.36	16.30	17.50
Channel				631000	636666	642332	Tune-up
Frequency(MHz)				3465	3549.99	3634.98	power(dBm)
30	QPSK	1	1	16.31	16.37	16.30	17.50
Channel				630834	636666	642500	Tune-up
Frequency(MHz)				3462.51	3549.99	3637.5	power(dBm)
20	QPSK	1	1	16.31	16.34	16.30	17.50
Channel				630668	636666	642666	Tune-up
Frequency(MHz)				3460.02	3549.99	3639.99	power(dBm)
10	QPSK	1	1	16.28	16.41	16.31	17.50
Channel				630500	636666	642832	Tune-up
Frequency(MHz)				3457.5	3549.99	3642.48	power(dBm)
15	QPSK	1	1	16.25	16.36	16.32	17.50
Channel				630334	636666	643000	Tune-up
Frequency(MHz)				3455.01	3549.99	3645	power(dBm)
10	QPSK	1	1	16.30	16.36	16.28	17.50

8.2.16 NR Band78 Output Power

N78(3450-3650MHz)-ANT4 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				633334	636666	640000	Tune-up
Frequency(MHz)				3500.01	3549.99	3600	power(dBm)
100	PI/2 BPSK	1	1	25.63	25.65	25.54	26.00
		1	137	25.62	25.63	25.52	26.00
		1	271	25.59	25.62	25.50	26.00
		135	0	25.02	25.03	24.98	22.50
		135	69	25.57	25.60	25.52	23.00
		135	138	24.92	24.95	24.83	22.50
		270	0	24.96	24.99	24.89	22.50
	QPSK	1	1	25.53	25.56	25.48	23.00
		1	137	25.50	25.53	25.46	23.00
		1	271	25.49	25.54	25.47	23.00
		135	0	24.48	24.53	24.50	22.00
		135	69	25.55	25.58	25.51	23.00
		135	138	24.40	24.44	24.38	22.00
		270	0	24.45	24.49	24.44	22.00
	16QAM	1	1	24.79	24.84	24.76	22.00
	64QAM	1	1	23.32	23.37	23.31	20.50
Channel				633000	636666	640332	Tune-up
Frequency(MHz)				3495	3549.99	3604.98	power(dBm)
90	QPSK	1	1	25.51	25.62	25.52	23.00
Channel				632668	636666	640666	Tune-up
Frequency(MHz)				3490.02	3549.99	3609.99	power(dBm)
80	QPSK	1	1	25.57	25.62	25.41	23.00
Channel				632000	636666	641332	Tune-up
Frequency(MHz)				3480	3549.99	3619.98	power(dBm)
60	QPSK	1	1	25.48	25.63	25.40	23.00
Channel				631668	636666	641666	Tune-up
Frequency(MHz)				3475.02	3549.99	3624.99	power(dBm)
50	QPSK	1	1	25.48	25.60	25.50	23.00
Channel				631334	636666	642000	Tune-up
Frequency(MHz)				3470.01	3549.99	3630	power(dBm)
40	QPSK	1	1	25.61	25.61	25.42	23.00
Channel				631000	636666	642332	Tune-up
Frequency(MHz)				3465	3549.99	3634.98	power(dBm)
30	QPSK	1	1	25.57	25.54	25.39	23.00
Channel				630834	636666	642500	Tune-up
Frequency(MHz)				3462.51	3549.99	3637.5	power(dBm)
20	QPSK	1	1	25.59	25.57	25.53	23.00
Channel				630668	636666	642666	Tune-up
Frequency(MHz)				3460.02	3549.99	3639.99	power(dBm)
10	QPSK	1	1	25.53	25.62	25.53	23.00
Channel				630500	636666	642832	Tune-up
Frequency(MHz)				3457.5	3549.99	3642.48	power(dBm)
15	QPSK	1	1	25.50	25.57	25.49	23.00
Channel				630334	636666	643000	Tune-up
Frequency(MHz)				3455.01	3549.99	3645	power(dBm)
10	QPSK	1	1	25.59	25.62	25.45	23.00

8.2.16 NR Band78 Output Power

N78(3450-3650MHz)-ANT4 Full Power-ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				633334	636666	640000	Tune-up
Frequency(MHz)				3500.01	3549.99	3600	power(dBm)
100	PI/2 BPSK	1	1	22.55	22.57	22.52	23.00
		1	137	22.57	22.61	22.45	23.00
		1	271	22.51	22.53	22.43	23.00
		135	0	22.01	21.95	21.96	22.50
		135	69	22.51	22.54	22.48	23.00
		135	138	21.85	21.92	21.76	22.50
		270	0	21.94	21.90	21.86	22.50
	QPSK	1	1	22.44	22.53	22.45	23.00
		1	137	22.49	22.46	22.41	23.00
		1	271	22.48	22.53	22.41	23.00
		135	0	21.47	21.49	21.42	22.00
		135	69	22.53	22.56	22.44	23.00
		135	138	21.32	21.39	21.37	22.00
		270	0	21.38	21.41	21.37	22.00
	16QAM	1	1	21.75	21.75	21.71	22.00
	64QAM	1	1	20.28	20.33	20.22	20.50
Channel				633000	636666	640332	Tune-up
Frequency(MHz)				3495	3549.99	3604.98	power(dBm)
90	QPSK	1	1	22.61	22.57	22.48	23.00
Channel				632668	636666	640666	Tune-up
Frequency(MHz)				3490.02	3549.99	3609.99	power(dBm)
80	QPSK	1	1	22.56	22.62	22.47	23.00
Channel				632000	636666	641332	Tune-up
Frequency(MHz)				3480	3549.99	3619.98	power(dBm)
60	QPSK	1	1	22.60	22.56	22.45	23.00
Channel				631668	636666	641666	Tune-up
Frequency(MHz)				3475.02	3549.99	3624.99	power(dBm)
50	QPSK	1	1	22.56	22.55	22.51	23.00
Channel				631334	636666	642000	Tune-up
Frequency(MHz)				3470.01	3549.99	3630	power(dBm)
40	QPSK	1	1	22.61	22.56	22.43	23.00
Channel				631000	636666	642332	Tune-up
Frequency(MHz)				3465	3549.99	3634.98	power(dBm)
30	QPSK	1	1	22.60	22.57	22.51	23.00
Channel				630834	636666	642500	Tune-up
Frequency(MHz)				3462.51	3549.99	3637.5	power(dBm)
20	QPSK	1	1	22.57	22.59	22.44	23.00
Channel				630668	636666	642666	Tune-up
Frequency(MHz)				3460.02	3549.99	3639.99	power(dBm)
10	QPSK	1	1	22.58	22.54	22.45	23.00
Channel				630500	636666	642832	Tune-up
Frequency(MHz)				3457.5	3549.99	3642.48	power(dBm)
15	QPSK	1	1	22.54	22.59	22.51	23.00
Channel				630334	636666	643000	Tune-up
Frequency(MHz)				3455.01	3549.99	3645	power(dBm)
10	QPSK	1	1	22.57	22.56	22.46	23.00

8.2.16 NR Band78 Output Power

N78-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	PI/2 BPSK	1	1		19.21		20.00
		1	137		19.14		20.00
		1	271		19.12		20.00
		135	0		18.59		19.50
		135	69		19.17		20.00
		135	138		18.40		19.50
		270	0		18.50		19.50
		QPSK	1		1		19.07
	1		137		19.14		20.00
	1		271		19.03		20.00
	135		0		18.02		19.00
	135		69		19.07		20.00
	135		138		17.87		19.00
	270		0		17.98		19.00
	16QAM		1		1		18.35
	64QAM	1	1		16.73		17.50
Channel				649668	650000	650332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	19.13	19.15	19.14	20.00
Channel				649334	650000	650666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	19.10	19.17	19.12	20.00
Channel				648668	650000	651332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	19.12	19.20	19.14	20.00
Channel				648334	650000	651666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	19.12	19.15	19.08	20.00
Channel				648000	650000	652000	Tune-up power(dBm)
Frequency(MHz)				3720	3750	3780	
40	QPSK	1	1	19.15	19.15	19.13	20.00
Channel				647668	650000	652332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	19.15	19.13	19.11	20.00
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	19.08	19.20	19.15	20.00
Channel				647000	650000	653000	Tune-up power(dBm)
Frequency(MHz)				3705	3750	3795	
10	QPSK	1	1	19.11	19.17	19.14	20.00

8.2.16 NR Band78 Output Power

N78-ANT1 Full power -ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				650000			
Frequency(MHz)				3750			
100	PI/2 BPSK	1	1		16.20		17.00
		1	137		16.09		17.00
		1	271		16.05		17.00
		135	0		15.55		16.50
		135	69		16.16		17.00
		135	138		15.36		16.50
		270	0		15.47		16.50
	QPSK	1	1		15.99		17.00
		1	137		16.08		17.00
		1	271		15.94		17.00
		135	0		14.98		16.00
		135	69		15.98		17.00
		135	138		14.78		16.00
		270	0		14.89		16.00
	16QAM	1	1		15.34		16.00
	64QAM	1	1		13.66		14.50
Channel				649668	650000	650332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	16.10	16.12	16.13	17.00
Channel				649334	650000	650666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	16.11	16.12	16.10	17.00
Channel				648668	650000	651332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	16.04	16.13	16.05	17.00
Channel				648334	650000	651666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	16.10	16.07	16.08	17.00
Channel				648000	650000	652000	Tune-up power(dBm)
Frequency(MHz)				3720	3750	3780	
40	QPSK	1	1	16.08	16.09	16.10	17.00
Channel				647668	650000	652332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	16.05	16.07	16.08	17.00
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	16.11	16.14	16.05	17.00
Channel				647000	650000	653000	Tune-up power(dBm)
Frequency(MHz)				3705	3750	3795	
10	QPSK	1	1	16.07	16.07	16.06	17.00

8.2.16 NR Band78 Output Power

N78-ANT4 Full power							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				650000			
Frequency(MHz)				3750			
100	PI/2 BPSK	1	1		25.43		26.00
		1	137		25.38		26.00
		1	271		25.33		26.00
		135	0		24.86		22.50
		135	69		25.35		23.00
		135	138		24.78		22.50
		270	0		24.85		22.50
	QPSK	1	1		25.32		23.00
		1	137		25.39		23.00
		1	271		25.32		23.00
		135	0		24.36		22.00
		135	69		25.40		23.00
		135	138		24.31		22.00
		270	0		24.32		22.00
	16QAM	1	1		24.62		22.00
	64QAM	1	1		23.05		20.50
Channel				649668	650000	650332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	25.28	25.39	25.37	26.00
Channel				649334	650000	650666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	25.19	25.34	25.29	26.00
Channel				648668	650000	651332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	25.23	25.24	25.32	26.00
Channel				648334	650000	651666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	25.25	25.36	25.22	26.00
Channel				648000	650000	652000	Tune-up power(dBm)
Frequency(MHz)				3720	3750	3780	
40	QPSK	1	1	25.26	25.24	25.30	26.00
Channel				647668	650000	652332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	25.27	25.36	25.24	26.00
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	25.21	25.25	25.26	26.00
Channel				647000	650000	653000	Tune-up power(dBm)
Frequency(MHz)				3705	3750	3795	
10	QPSK	1	1	25.27	25.31	25.28	26.00

8.2.16 NR Band78 Output Power

N78-ANT4 Full power -ENDC							
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up power(dBm)
Channel				650000			
Frequency(MHz)				3750			
100	PI/2 BPSK	1	1		22.40		23.00
		1	137		22.30		23.00
		1	271		22.25		23.00
		135	0		21.83		22.50
		135	69		22.27		23.00
		135	138		21.69		22.50
		270	0		21.84		22.50
	QPSK	1	1		22.26		23.00
		1	137		22.38		23.00
		1	271		22.27		23.00
		135	0		21.34		22.00
		135	69		22.31		23.00
		135	138		21.23		22.00
		270	0		21.29		22.00
	16QAM	1	1		21.58		22.00
	64QAM	1	1		19.99		20.50
Channel				649668	650000	650332	Tune-up power(dBm)
Frequency(MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	22.21	22.33	22.29	23.00
Channel				649334	650000	650666	Tune-up power(dBm)
Frequency(MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	22.23	22.30	22.28	23.00
Channel				648668	650000	651332	Tune-up power(dBm)
Frequency(MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	22.23	22.35	22.35	23.00
Channel				648334	650000	651666	Tune-up power(dBm)
Frequency(MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	22.21	22.37	22.28	23.00
Channel				648000	650000	652000	Tune-up power(dBm)
Frequency(MHz)				3720	3750	3780	
40	QPSK	1	1	22.24	22.38	22.31	23.00
Channel				647668	650000	652332	Tune-up power(dBm)
Frequency(MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	22.19	22.37	22.31	23.00
Channel				647334	650000	652666	Tune-up power(dBm)
Frequency(MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	22.22	22.34	22.31	23.00
Channel				647000	650000	653000	Tune-up power(dBm)
Frequency(MHz)				3705	3750	3795	
10	QPSK	1	1	22.25	22.33	22.33	23.00