

## 8 CONDUCTED RF OUPUT POWER

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## 8.1 GSM Output Power

GSM-Full Power-Ant.1									
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power			Tune-up Power(dBm )
	128	190	251			128	190	251	
GSM (GMSK, 1-Slot)	31.87	31.92	31.68	33.50	9.19	22.68	22.73	22.49	24.31
GPRS (GMSK, 1-Slot)	31.85	31.93	32.07	33.50	9.19	22.66	22.74	22.88	24.31
GPRS (GMSK, 2-Slots)	29.15	29.02	29.13	31.00	6.13	23.02	22.89	23.00	24.87
GPRS (GMSK, 3-Slots)	27.30	27.21	27.30	29.00	4.42	22.88	22.79	22.88	24.58
GPRS (GMSK, 4-Slots)	26.23	26.05	26.13	28.00	3.18	23.05	22.87	22.95	24.82
EGPRS (8PSK, 1-Slot)	25.65	25.68	25.55	27.50	9.19	16.46	16.49	16.36	18.31
EGPRS (8PSK, 2-Slots)	23.37	23.35	23.47	25.00	6.13	17.24	17.22	17.34	18.87
EGPRS (8PSK, 3-Slots)	21.59	21.55	21.56	23.00	4.42	17.17	17.13	17.14	18.58
EGPRS (8PSK, 4-Slots)	20.78	20.81	20.86	22.50	3.18	17.60	17.63	17.68	19.32
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged			Tune-up Power(dBm )
	512	661	810			512	661	810	
GSM (GMSK, 1-Slot)	29.61	29.67	29.98	30.50	9.19	20.42	20.48	20.79	21.31
GPRS (GMSK, 1-Slot)	29.64	30.00	30.00	30.50	9.19	20.45	20.81	20.81	21.31
GPRS (GMSK, 2-Slots)	27.28	27.31	27.50	28.00	6.13	21.15	21.18	21.37	21.87
GPRS (GMSK, 3-Slots)	25.43	25.48	25.56	26.00	4.42	21.01	21.06	21.14	21.58
GPRS (GMSK, 4-Slots)	24.14	24.19	24.35	25.00	3.18	20.96	21.01	21.17	21.82
EGPRS (8PSK, 1-Slot)	25.76	25.59	25.88	26.50	9.19	16.57	16.40	16.69	17.31
EGPRS (8PSK, 2-Slots)	23.19	23.13	23.17	24.00	6.13	17.06	17.00	17.04	17.87
EGPRS (8PSK, 3-Slots)	21.09	21.12	21.66	22.00	4.42	16.67	16.70	17.24	17.58
EGPRS (8PSK, 4-Slots)	20.58	20.47	20.67	21.50	3.18	17.40	17.29	17.49	18.32

GSM-State1&3-Ant.1									
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power			Tune-up Power(dBm )
	128	190	251			128	190	251	
GSM (GMSK, 1-Slot)	31.87	31.92	31.68	33.50	9.19	22.68	22.73	22.49	24.31
GPRS (GMSK, 1-Slot)	31.85	31.93	32.07	33.50	9.19	22.66	22.74	22.88	24.31
GPRS (GMSK, 2-Slots)	29.15	29.02	29.13	31.00	6.13	23.02	22.89	23.00	24.87
GPRS (GMSK, 3-Slots)	27.30	27.21	27.30	29.00	4.42	22.88	22.79	22.88	24.58
GPRS (GMSK, 4-Slots)	26.23	26.05	26.13	28.00	3.18	23.05	22.87	22.95	24.82
EGPRS (8PSK, 1-Slot)	25.65	25.68	25.55	27.50	9.19	16.46	16.49	16.36	18.31
EGPRS (8PSK, 2-Slots)	23.37	23.35	23.47	25.00	6.13	17.24	17.22	17.34	18.87
EGPRS (8PSK, 3-Slots)	21.59	21.55	21.56	23.00	4.42	17.17	17.13	17.14	18.58
EGPRS (8PSK, 4-Slots)	20.78	20.81	20.86	22.50	3.18	17.60	17.63	17.68	19.32
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged			Tune-up Power(dBm )
	512	661	810			512	661	810	
GSM (GMSK, 1-Slot)	29.61	29.67	29.98	30.50	9.19	20.42	20.48	20.79	21.31
GPRS (GMSK, 1-Slot)	29.64	30.00	30.00	30.50	9.19	20.45	20.81	20.81	21.31
GPRS (GMSK, 2-Slots)	27.28	27.31	27.50	28.00	6.13	21.15	21.18	21.37	21.87
GPRS (GMSK, 3-Slots)	25.43	25.48	25.56	26.00	4.42	21.01	21.06	21.14	21.58
GPRS (GMSK, 4-Slots)	24.14	24.19	24.35	25.00	3.18	20.96	21.01	21.17	21.82
EGPRS (8PSK, 1-Slot)	25.76	25.59	25.88	26.50	9.19	16.57	16.40	16.69	17.31
EGPRS (8PSK, 2-Slots)	23.19	23.13	23.17	24.00	6.13	17.06	17.00	17.04	17.87
EGPRS (8PSK, 3-Slots)	21.09	21.12	21.66	22.00	4.42	16.67	16.70	17.24	17.58
EGPRS (8PSK, 4-Slots)	20.58	20.47	20.67	21.50	3.18	17.40	17.29	17.49	18.32

GSM-State2 Ant.1									
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power			Tune-up Power(dBm )
	128	190	251			128	190	251	
GSM (GMSK, 1-Slot)	31.87	31.92	31.68	33.50	9.19	22.68	22.73	22.49	24.31
GPRS (GMSK, 1-Slot)	31.85	31.93	32.07	33.50	9.19	22.66	22.74	22.88	24.31
GPRS (GMSK, 2-Slots)	29.15	29.02	29.13	31.00	6.13	23.02	22.89	23.00	24.87
GPRS (GMSK, 3-Slots)	27.30	27.21	27.30	29.00	4.42	22.88	22.79	22.88	24.58
GPRS (GMSK, 4-Slots)	26.23	26.05	26.13	28.00	3.18	23.05	22.87	22.95	24.82
EGPRS (8PSK, 1-Slot)	25.65	25.68	25.55	27.50	9.19	16.46	16.49	16.36	18.31
EGPRS (8PSK, 2-Slots)	23.37	23.35	23.47	25.00	6.13	17.24	17.22	17.34	18.87
EGPRS (8PSK, 3-Slots)	21.59	21.55	21.56	23.00	4.42	17.17	17.13	17.14	18.58
EGPRS (8PSK, 4-Slots)	20.78	20.81	20.86	22.50	3.18	17.60	17.63	17.68	19.32
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged			Tune-up Power(dBm )
	512	661	810			512	661	810	
GSM (GMSK, 1-Slot)	27.44	27.43	27.61	28.50	9.19	18.25	18.24	18.42	19.31
GPRS (GMSK, 1-Slot)	27.40	27.46	27.51	28.50	9.19	18.21	18.27	18.32	19.31
GPRS (GMSK, 2-Slots)	25.35	25.41	25.46	26.00	6.13	19.22	19.28	19.33	19.87
GPRS (GMSK, 3-Slots)	22.81	22.77	22.78	24.00	4.42	18.39	18.35	18.36	19.58
GPRS (GMSK, 4-Slots)	21.56	21.62	21.76	23.00	3.18	18.38	18.44	18.58	19.82
EGPRS (8PSK, 1-Slot)	23.12	22.93	23.45	24.50	9.19	13.93	13.74	14.26	15.31
EGPRS (8PSK, 2-Slots)	21.61	21.04	20.91	22.00	6.13	15.48	14.91	14.78	15.87
EGPRS (8PSK, 3-Slots)	18.33	18.26	18.29	20.00	4.42	13.91	13.84	13.87	15.58
EGPRS (8PSK, 4-Slots)	17.75	17.73	17.76	19.50	3.18	14.57	14.55	14.58	16.32

GSM-State4-Ant.1									
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power			Tune-up Power(dBm )
	128	190	251			128	190	251	
GSM (GMSK, 1-Slot)	31.87	31.92	31.68	33.50	9.19	22.68	22.73	22.49	24.31
GPRS (GMSK, 1-Slot)	31.85	31.93	32.07	33.50	9.19	22.66	22.74	22.88	24.31
GPRS (GMSK, 2-Slots)	29.10	29.02	29.13	31.00	6.13	22.97	22.89	23.00	24.87
GPRS (GMSK, 3-Slots)	27.30	27.21	27.30	29.00	4.42	22.88	22.79	22.88	24.58
GPRS (GMSK, 4-Slots)	26.23	26.05	26.13	28.00	3.18	23.05	22.87	22.95	24.82
EGPRS (8PSK, 1-Slot)	25.65	25.68	25.55	27.50	9.19	16.46	16.49	16.36	18.31
EGPRS (8PSK, 2-Slots)	23.37	23.35	23.47	25.00	6.13	17.24	17.22	17.34	18.87
EGPRS (8PSK, 3-Slots)	21.59	21.55	21.56	23.00	4.42	17.17	17.13	17.14	18.58
EGPRS (8PSK, 4-Slots)	20.78	20.81	20.86	22.50	3.18	17.60	17.63	17.68	19.32
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged			Tune-up Power(dBm )
	512	661	810			512	661	810	
GSM (GMSK, 1-Slot)	26.41	26.59	26.72	27.50	9.19	20.42	20.48	20.79	18.31
GPRS (GMSK, 1-Slot)	26.50	26.59	26.62	27.50	9.19	20.45	20.81	20.81	18.31
GPRS (GMSK, 2-Slots)	24.07	24.35	24.41	25.00	6.13	21.15	21.20	21.37	18.87
GPRS (GMSK, 3-Slots)	21.93	21.90	21.91	23.00	4.42	21.01	21.06	21.14	18.58
GPRS (GMSK, 4-Slots)	20.76	20.73	20.90	22.00	3.18	20.96	21.01	21.17	18.82
EGPRS (8PSK, 1-Slot)	22.16	22.10	23.24	23.50	9.19	16.57	16.40	16.69	14.31
EGPRS (8PSK, 2-Slots)	19.86	19.83	19.77	21.00	6.13	17.06	17.00	17.04	14.87
EGPRS (8PSK, 3-Slots)	17.48	17.31	17.34	19.00	4.42	16.67	16.70	17.24	14.58
EGPRS (8PSK, 4-Slots)	16.95	16.97	17.06	18.50	3.18	17.40	17.29	17.49	15.32

## 8.1 GSM Output Power

GSM-Full Power-Ant.0									
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power			Tune-up Power(dBm )
Channel	128	190	251			128	190	251	
GSM (GMSK, 1-Slot)	32.49	32.20	32.21	33.50	9.19	23.30	23.01	23.02	24.31
GPRS (GMSK, 1-Slot)	32.44	32.56	32.65	33.50	9.19	23.25	23.37	23.46	24.31
GPRS (GMSK, 2-Slots)	29.61	29.73	29.74	31.00	6.13	23.48	23.60	23.61	24.87
GPRS (GMSK, 3-Slots)	27.79	27.80	27.90	29.00	4.42	23.37	23.38	23.48	24.58
GPRS (GMSK, 4-Slots)	26.71	26.73	26.71	28.00	3.18	23.53	23.55	23.53	24.82
EGPRS (8PSK, 1-Slot)	26.29	26.33	26.29	27.50	9.19	17.10	17.14	17.10	18.31
EGPRS (8PSK, 2-Slots)	23.82	23.99	23.89	25.00	6.13	17.69	17.86	17.76	18.87
EGPRS (8PSK, 3-Slots)	22.23	22.24	22.21	23.00	4.42	17.81	17.82	17.79	18.58
EGPRS (8PSK, 4-Slots)	21.41	21.41	21.35	22.50	3.18	18.23	18.23	18.17	19.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged			Tune-up Power(dBm )
Channel	512	661	810			512	661	810	
GSM (GMSK, 1-Slot)	29.40	29.48	29.77	30.50	9.19	20.21	20.29	20.58	21.31
GPRS (GMSK, 1-Slot)	29.42	29.74	29.73	30.50	9.19	20.23	20.55	20.54	21.31
GPRS (GMSK, 2-Slots)	27.11	27.17	27.30	28.00	6.13	20.98	21.04	21.17	21.87
GPRS (GMSK, 3-Slots)	25.27	25.33	25.26	26.00	4.42	20.85	20.91	20.84	21.58
GPRS (GMSK, 4-Slots)	23.97	24.04	24.06	25.00	3.18	20.79	20.86	20.88	21.82
EGPRS (8PSK, 1-Slot)	25.57	25.62	25.60	26.50	9.19	16.38	16.43	16.41	17.31
EGPRS (8PSK, 2-Slots)	22.92	22.92	22.98	24.00	6.13	16.79	16.79	16.85	17.87
EGPRS (8PSK, 3-Slots)	20.94	21.02	20.89	22.00	4.42	16.52	16.60	16.47	17.58
EGPRS (8PSK, 4-Slots)	20.38	20.36	20.42	21.50	3.18	17.20	17.18	17.24	18.32

GSM-State 1&2&3&4-Ant.0								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm )
GSM (GMSK, 1-Slot)	32.49	32.20	32.21	33.50	23.30	23.01	23.02	24.31
GPRS (GMSK, 1-Slot)	32.44	32.56	32.65	33.50	23.25	23.37	23.46	24.31
GPRS (GMSK, 2-Slots)	29.61	29.73	29.74	31.00	23.48	23.60	23.61	24.87
GPRS (GMSK, 3-Slots)	27.79	27.80	27.90	29.00	23.37	23.38	23.48	24.58
GPRS (GMSK, 4-Slots)	26.71	26.73	26.71	28.00	23.53	23.55	23.53	24.82
EGPRS (8PSK, 1-Slot)	26.29	26.33	26.29	27.50	17.10	17.14	17.10	18.31
EGPRS (8PSK, 2-Slots)	23.82	23.99	23.89	25.00	17.69	17.86	17.76	18.87
EGPRS (8PSK, 3-Slots)	22.23	22.24	22.21	23.00	17.81	17.82	17.79	18.58
EGPRS (8PSK, 4-Slots)	21.41	21.41	21.35	22.50	18.23	18.23	18.17	19.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm )
GSM (GMSK, 1-Slot)	29.40	29.48	29.77	30.50	20.21	20.29	20.58	21.31
GPRS (GMSK, 1-Slot)	29.42	29.74	29.73	30.50	20.23	20.55	20.54	21.31
GPRS (GMSK, 2-Slots)	27.11	27.17	27.30	28.00	20.98	21.04	21.17	21.87
GPRS (GMSK, 3-Slots)	25.27	25.33	25.26	26.00	20.85	20.91	20.84	21.58
GPRS (GMSK, 4-Slots)	23.97	24.04	24.06	25.00	20.79	20.86	20.88	21.82
EGPRS (8PSK, 1-Slot)	25.57	25.62	25.60	26.50	16.38	16.43	16.41	17.31
EGPRS (8PSK, 2-Slots)	22.92	22.92	22.98	24.00	16.79	16.79	16.85	17.87
EGPRS (8PSK, 3-Slots)	20.94	21.02	20.89	22.00	16.52	16.60	16.47	17.58
EGPRS (8PSK, 4-Slots)	20.38	20.36	20.42	21.50	17.20	17.18	17.24	18.32

## 8.2 WCDMA Output Power

WCDMA-Full Power-Ant.1				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	23.36	23.60	23.45	23.80
RMC 12.2Kbps	23.45	<b>23.72</b>	23.53	23.80
HSDPA Subtest-1	23.07	23.12	23.05	23.30
HSDPA Subtest-2	23.27	23.09	22.93	23.30
HSDPA Subtest-3	22.67	22.59	22.41	22.80
HSDPA Subtest-4	22.75	22.58	22.64	22.80
DC-HSDPA Subtest-1	23.23	23.25	23.10	23.30
DC-HSDPA Subtest-2	23.12	23.29	23.06	23.30
DC-HSDPA Subtest-3	22.68	22.46	22.22	22.80
DC-HSDPA Subtest-4	22.73	22.71	22.78	22.80
HSUPA Subtest-1	22.28	22.12	22.10	22.30
HSUPA Subtest-2	22.13	22.11	22.23	22.30
HSUPA Subtest-3	22.10	22.09	22.28	22.30
HSUPA Subtest-4	21.61	21.59	21.39	21.80
HSUPA Subtest-5	22.87	23.01	23.20	23.30
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	23.58	23.61	23.42	23.80
RMC 12.2Kbps	23.72	23.68	23.56	23.80
HSDPA Subtest-1	23.17	23.05	23.10	23.30
HSDPA Subtest-2	23.06	23.09	22.90	23.30
HSDPA Subtest-3	22.60	22.55	22.53	22.80
HSDPA Subtest-4	22.49	22.61	22.70	22.80
DC-HSDPA Subtest-1	23.26	23.01	23.05	23.30
DC-HSDPA Subtest-2	23.23	22.96	22.81	23.30
DC-HSDPA Subtest-3	22.77	22.75	22.66	22.80
DC-HSDPA Subtest-4	22.43	22.54	22.69	22.80
HSUPA Subtest-1	21.89	22.01	21.93	22.30
HSUPA Subtest-2	22.01	21.98	21.98	22.30
HSUPA Subtest-3	21.84	22.01	22.04	22.30
HSUPA Subtest-4	21.26	21.42	21.43	21.80
HSUPA Subtest-5	22.98	23.01	22.98	23.30
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.95	24.01	23.94	24.30
RMC 12.2Kbps	24.03	24.10	24.08	24.30
HSDPA Subtest-1	22.85	23.02	22.89	23.30
HSDPA Subtest-2	23.20	23.11	23.29	23.30
HSDPA Subtest-3	22.57	22.66	22.71	22.80
HSDPA Subtest-4	22.70	22.71	22.72	22.80
DC-HSDPA Subtest-1	22.91	23.16	22.93	23.30
DC-HSDPA Subtest-2	23.29	23.26	23.20	23.30
DC-HSDPA Subtest-3	22.74	22.72	22.60	22.80
DC-HSDPA Subtest-4	22.80	22.79	22.65	22.80
HSUPA Subtest-1	21.95	22.01	21.93	22.30
HSUPA Subtest-2	21.86	22.03	21.83	22.30
HSUPA Subtest-3	21.95	22.01	21.94	22.30
HSUPA Subtest-4	21.73	21.61	21.41	21.80
HSUPA Subtest-5	23.11	23.05	23.09	23.30



WCDMA-Power State1-Ant.1				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	19.60	19.53	19.54	20.30
RMC 12.2Kbps	19.67	<b>19.67</b>	19.60	20.30
HSDPA Subtest-1	18.74	18.64	18.81	19.80
HSDPA Subtest-2	18.73	18.63	18.56	19.80
HSDPA Subtest-3	18.20	18.22	18.10	19.30
HSDPA Subtest-4	18.28	18.22	18.09	19.30
DC-HSDPA Subtest-1	18.71	18.82	18.91	19.80
DC-HSDPA Subtest-2	18.83	18.64	18.76	19.80
DC-HSDPA Subtest-3	18.09	18.32	18.21	19.30
DC-HSDPA Subtest-4	18.17	18.23	17.98	19.30
HSUPA Subtest-1	18.80	18.63	18.59	18.80
HSUPA Subtest-2	17.12	17.20	17.31	18.80
HSUPA Subtest-3	17.58	17.59	17.52	18.80
HSUPA Subtest-4	16.59	16.69	16.74	18.30
HSUPA Subtest-5	18.63	18.70	18.70	19.80
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	19.40	19.62	19.70	20.30
RMC 12.2Kbps	19.76	19.52	19.73	20.30
HSDPA Subtest-1	18.68	18.66	18.49	19.80
HSDPA Subtest-2	18.68	18.74	18.91	19.80
HSDPA Subtest-3	18.33	18.21	18.29	19.30
HSDPA Subtest-4	18.36	18.21	18.37	19.30
DC-HSDPA Subtest-1	18.85	18.86	18.33	19.80
DC-HSDPA Subtest-2	18.85	18.56	18.89	19.80
DC-HSDPA Subtest-3	18.44	18.29	18.45	19.30
DC-HSDPA Subtest-4	18.56	18.34	18.17	19.30
HSUPA Subtest-1	18.75	18.62	18.78	18.80
HSUPA Subtest-2	16.87	16.85	16.80	18.80
HSUPA Subtest-3	17.92	17.72	17.66	18.80
HSUPA Subtest-4	16.88	16.76	16.89	18.30
HSUPA Subtest-5	19.01	18.89	18.89	19.80
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.95	24.01	23.94	24.30
RMC 12.2Kbps	24.03	24.10	24.08	24.30
HSDPA Subtest-1	22.85	23.02	22.89	23.30
HSDPA Subtest-2	23.20	23.11	23.29	23.30
HSDPA Subtest-3	22.57	22.66	22.71	22.80
HSDPA Subtest-4	22.70	22.71	22.72	22.80
DC-HSDPA Subtest-1	22.91	23.16	22.93	23.30
DC-HSDPA Subtest-2	23.29	23.26	23.20	23.30
DC-HSDPA Subtest-3	22.74	22.72	22.60	22.80
DC-HSDPA Subtest-4	22.80	22.79	22.65	22.80
HSUPA Subtest-1	21.95	22.01	21.93	22.30
HSUPA Subtest-2	21.86	22.03	21.83	22.30
HSUPA Subtest-3	21.95	22.01	21.94	22.30
HSUPA Subtest-4	21.73	21.61	21.41	21.80
HSUPA Subtest-5	23.11	23.05	23.09	23.30

WCDMA-Power State2-Ant.1				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	18.06	18.12	18.13	18.80
RMC 12.2Kbps	18.11	<b>18.20</b>	18.17	18.80
HSDPA Subtest-1	17.05	17.11	17.07	18.30
HSDPA Subtest-2	17.33	17.21	17.21	18.30
HSDPA Subtest-3	16.59	16.69	16.86	17.80
HSDPA Subtest-4	16.72	16.69	16.60	17.80
DC-HSDPA Subtest-1	16.88	17.25	17.22	18.30
DC-HSDPA Subtest-2	17.31	17.04	17.31	18.30
DC-HSDPA Subtest-3	16.52	16.68	16.69	17.80
DC-HSDPA Subtest-4	16.80	16.68	16.47	17.80
HSUPA Subtest-1	17.17	17.13	17.16	17.30
HSUPA Subtest-2	16.01	16.10	16.11	17.30
HSUPA Subtest-3	16.37	16.19	16.08	17.30
HSUPA Subtest-4	15.26	15.19	15.22	16.80
HSUPA Subtest-5	17.02	17.19	17.19	18.30
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	19.40	19.62	19.70	20.30
RMC 12.2Kbps	19.76	19.52	19.73	20.30
HSDPA Subtest-1	18.68	18.66	18.49	19.80
HSDPA Subtest-2	18.68	18.74	18.91	19.80
HSDPA Subtest-3	18.33	18.21	18.29	19.30
HSDPA Subtest-4	18.36	18.21	18.37	19.30
DC-HSDPA Subtest-1	18.85	18.86	18.33	19.80
DC-HSDPA Subtest-2	18.85	18.56	18.89	19.80
DC-HSDPA Subtest-3	18.44	18.29	18.45	19.30
DC-HSDPA Subtest-4	18.56	18.34	18.17	19.30
HSUPA Subtest-1	18.75	18.62	18.78	18.80
HSUPA Subtest-2	16.87	16.85	16.80	18.80
HSUPA Subtest-3	17.92	17.72	17.66	18.80
HSUPA Subtest-4	16.88	16.76	16.89	18.30
HSUPA Subtest-5	19.01	18.89	18.89	19.80
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.95	24.01	23.94	24.30
RMC 12.2Kbps	24.03	24.10	24.08	24.30
HSDPA Subtest-1	22.85	23.02	22.89	23.30
HSDPA Subtest-2	23.20	23.11	23.29	23.30
HSDPA Subtest-3	22.57	22.66	22.71	22.80
HSDPA Subtest-4	22.70	22.71	22.72	22.80
DC-HSDPA Subtest-1	22.91	23.16	22.93	23.30
DC-HSDPA Subtest-2	23.29	23.26	23.20	23.30
DC-HSDPA Subtest-3	22.74	22.72	22.60	22.80
DC-HSDPA Subtest-4	22.80	22.79	22.65	22.80
HSUPA Subtest-1	21.95	22.01	21.93	22.30
HSUPA Subtest-2	21.86	22.03	21.83	22.30
HSUPA Subtest-3	21.95	22.01	21.94	22.30
HSUPA Subtest-4	21.73	21.61	21.41	21.80
HSUPA Subtest-5	23.11	23.05	23.09	23.30

WCDMA-Power State3-Ant.1				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	16.70	16.69	16.64	17.30
RMC 12.2Kbps	16.70	<b>16.69</b>	16.64	17.30
HSDPA Subtest-1	15.87	16.06	16.24	16.80
HSDPA Subtest-2	16.09	16.16	15.98	16.80
HSDPA Subtest-3	15.78	15.65	15.80	16.30
HSDPA Subtest-4	15.62	15.63	15.80	16.30
DC-HSDPA Subtest-1	16.03	15.83	16.12	16.80
DC-HSDPA Subtest-2	15.97	16.15	16.00	16.80
DC-HSDPA Subtest-3	15.64	15.75	15.68	16.30
DC-HSDPA Subtest-4	15.68	15.63	15.86	16.30
HSUPA Subtest-1	15.60	15.78	15.75	15.80
HSUPA Subtest-2	14.72	14.61	14.55	15.80
HSUPA Subtest-3	14.73	14.64	14.48	15.80
HSUPA Subtest-4	13.82	13.62	13.51	15.30
HSUPA Subtest-5	15.79	15.83	15.82	16.80
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	19.27	19.35	19.24	19.80
RMC 12.2Kbps	19.35	<b>19.27</b>	19.24	19.80
HSDPA Subtest-1	18.22	18.23	18.42	19.30
HSDPA Subtest-2	18.31	18.36	18.26	19.30
HSDPA Subtest-3	17.91	17.83	17.67	18.80
HSDPA Subtest-4	17.90	17.82	17.95	18.80
DC-HSDPA Subtest-1	18.31	18.26	18.43	19.30
DC-HSDPA Subtest-2	18.29	18.49	18.39	19.30
DC-HSDPA Subtest-3	17.86	17.94	17.57	18.80
DC-HSDPA Subtest-4	17.84	17.62	17.75	18.80
HSUPA Subtest-1	18.23	18.27	18.14	18.30
HSUPA Subtest-2	16.49	16.37	16.31	18.30
HSUPA Subtest-3	17.36	17.36	17.29	18.30
HSUPA Subtest-4	16.56	16.38	16.32	17.80
HSUPA Subtest-5	18.36	18.28	18.44	19.30
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.95	24.01	23.94	24.30
RMC 12.2Kbps	24.03	24.10	24.08	24.30
HSDPA Subtest-1	22.85	23.02	22.89	23.30
HSDPA Subtest-2	23.20	23.11	23.29	23.30
HSDPA Subtest-3	22.57	22.66	22.71	22.80
HSDPA Subtest-4	22.70	22.71	22.72	22.80
DC-HSDPA Subtest-1	22.91	23.16	22.93	23.30
DC-HSDPA Subtest-2	23.29	23.26	23.20	23.30
DC-HSDPA Subtest-3	22.74	22.72	22.60	22.80
DC-HSDPA Subtest-4	22.80	22.79	22.65	22.80
HSUPA Subtest-1	21.95	22.01	21.93	22.30
HSUPA Subtest-2	21.86	22.03	21.83	22.30
HSUPA Subtest-3	21.95	22.01	21.94	22.30
HSUPA Subtest-4	21.73	21.61	21.41	21.80
HSUPA Subtest-5	23.11	23.05	23.09	23.30

WCDMA-Power State4-Ant.1				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	18.06	18.12	18.13	18.80
RMC 12.2Kbps	18.11	<b>18.20</b>	18.17	18.80
HSDPA Subtest-1	17.05	17.11	17.07	18.30
HSDPA Subtest-2	17.33	17.21	17.21	18.30
HSDPA Subtest-3	16.59	16.69	16.86	17.80
HSDPA Subtest-4	16.72	16.69	16.60	17.80
DC-HSDPA Subtest-1	16.88	17.25	17.22	18.30
DC-HSDPA Subtest-2	17.31	17.04	17.31	18.30
DC-HSDPA Subtest-3	16.52	16.68	16.69	17.80
DC-HSDPA Subtest-4	16.80	16.68	16.47	17.80
HSUPA Subtest-1	17.17	17.13	17.16	17.30
HSUPA Subtest-2	16.01	16.10	16.11	17.30
HSUPA Subtest-3	16.37	16.19	16.08	17.30
HSUPA Subtest-4	15.26	15.19	15.22	16.80
HSUPA Subtest-5	17.02	17.19	17.19	18.30
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	18.15	18.24	18.26	18.80
RMC 12.2Kbps	18.24	<b>18.15</b>	18.26	18.80
HSDPA Subtest-1	17.35	17.33	17.44	18.30
HSDPA Subtest-2	17.53	17.36	17.41	18.30
HSDPA Subtest-3	16.93	16.82	16.63	17.80
HSDPA Subtest-4	16.87	16.82	16.93	17.80
DC-HSDPA Subtest-1	17.44	17.51	17.33	18.30
DC-HSDPA Subtest-2	17.48	17.54	17.45	18.30
DC-HSDPA Subtest-3	17.02	16.79	16.82	17.80
DC-HSDPA Subtest-4	16.77	16.73	17.03	17.80
HSUPA Subtest-1	17.25	17.27	17.12	17.30
HSUPA Subtest-2	15.44	15.48	15.45	17.30
HSUPA Subtest-3	16.47	16.35	16.23	17.30
HSUPA Subtest-4	15.43	15.26	15.42	16.80
HSUPA Subtest-5	17.36	17.38	17.31	18.30
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.95	24.01	23.94	24.30
RMC 12.2Kbps	24.03	24.10	24.08	24.30
HSDPA Subtest-1	22.85	23.02	22.89	23.30
HSDPA Subtest-2	23.20	23.11	23.29	23.30
HSDPA Subtest-3	22.57	22.66	22.71	22.80
HSDPA Subtest-4	22.70	22.71	22.72	22.80
DC-HSDPA Subtest-1	22.91	23.16	22.93	23.30
DC-HSDPA Subtest-2	23.29	23.26	23.20	23.30
DC-HSDPA Subtest-3	22.74	22.72	22.60	22.80
DC-HSDPA Subtest-4	22.80	22.79	22.65	22.80
HSUPA Subtest-1	21.95	22.01	21.93	22.30
HSUPA Subtest-2	21.86	22.03	21.83	22.30
HSUPA Subtest-3	21.95	22.01	21.94	22.30
HSUPA Subtest-4	21.73	21.61	21.41	21.80
HSUPA Subtest-5	23.11	23.05	23.09	23.30

## 8.2 WCDMA Output Power

WCDMA-Full Power-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	23.61	23.64	23.49	23.80
RMC 12.2Kbps	23.61	23.72	23.62	23.80
HSDPA Subtest-1	23.06	23.10	23.17	23.30
HSDPA Subtest-2	23.21	23.01	23.00	23.30
HSDPA Subtest-3	22.60	22.66	22.65	22.80
HSDPA Subtest-4	22.42	22.60	22.40	22.80
DC-HSDPA Subtest-1	23.08	23.16	22.98	23.30
DC-HSDPA Subtest-2	23.22	22.89	23.01	23.30
DC-HSDPA Subtest-3	22.77	22.68	22.69	22.80
DC-HSDPA Subtest-4	22.53	22.46	22.32	22.80
HSUPA Subtest-1	22.19	22.12	22.23	22.30
HSUPA Subtest-2	21.90	22.09	22.29	22.30
HSUPA Subtest-3	21.86	22.01	22.11	22.30
HSUPA Subtest-4	21.73	21.65	21.71	21.80
HSUPA Subtest-5	23.11	23.03	23.05	23.30
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	23.64	23.66	23.49	23.80
RMC 12.2Kbps	23.79	23.67	23.57	23.80
HSDPA Subtest-1	22.97	23.13	23.24	23.30
HSDPA Subtest-2	22.96	23.11	23.00	23.30
HSDPA Subtest-3	22.56	22.70	22.69	22.80
HSDPA Subtest-4	22.67	22.69	22.49	22.80
DC-HSDPA Subtest-1	23.14	23.08	23.07	23.30
DC-HSDPA Subtest-2	22.76	22.92	23.01	23.30
DC-HSDPA Subtest-3	22.68	22.62	22.59	22.80
DC-HSDPA Subtest-4	22.68	22.60	22.48	22.80
HSUPA Subtest-1	22.20	22.02	22.06	22.30
HSUPA Subtest-2	22.25	22.09	21.92	22.30
HSUPA Subtest-3	22.20	22.01	22.10	22.30
HSUPA Subtest-4	21.51	21.67	21.80	21.80
HSUPA Subtest-5	22.94	23.05	23.20	23.30
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	24.05	24.11	23.92	24.30
RMC 12.2Kbps	24.12	24.17	24.05	24.30
HSDPA Subtest-1	23.21	23.12	23.27	23.30
HSDPA Subtest-2	23.15	23.11	23.13	23.30
HSDPA Subtest-3	22.60	22.75	22.73	22.80
HSDPA Subtest-4	22.71	22.70	22.77	22.80
DC-HSDPA Subtest-1	23.02	23.25	23.07	23.30
DC-HSDPA Subtest-2	23.01	22.93	23.10	23.30
DC-HSDPA Subtest-3	22.42	22.64	22.59	22.80
DC-HSDPA Subtest-4	22.75	22.66	22.68	22.80
HSUPA Subtest-1	22.09	22.01	21.85	22.30
HSUPA Subtest-2	22.01	22.05	22.08	22.30
HSUPA Subtest-3	21.89	22.09	22.28	22.30
HSUPA Subtest-4	21.75	21.66	21.49	21.80
HSUPA Subtest-5	22.92	23.04	23.08	23.30

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WCDMA-State1-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	21.81	21.92	21.74	22.30
RMC 12.2Kbps	21.93	21.94	21.78	22.30
HSDPA Subtest-1	20.82	20.92	21.00	21.80
HSDPA Subtest-2	20.88	20.88	20.94	21.80
HSDPA Subtest-3	20.61	20.46	20.61	21.30
HSDPA Subtest-4	20.30	20.45	20.65	21.30
DC-HSDPA Subtest-1	20.69	20.82	20.99	21.80
DC-HSDPA Subtest-2	20.95	20.88	20.84	21.80
DC-HSDPA Subtest-3	20.72	20.57	20.67	21.30
DC-HSDPA Subtest-4	20.45	20.38	20.66	21.30
HSUPA Subtest-1	20.78	20.79	20.75	20.80
HSUPA Subtest-2	18.85	18.84	18.96	20.80
HSUPA Subtest-3	19.79	19.84	19.93	20.80
HSUPA Subtest-4	18.87	18.91	18.75	20.30
HSUPA Subtest-5	20.66	20.85	20.98	21.80
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	20.70	20.80	20.73	21.30
RMC 12.2Kbps	20.88	20.76	20.85	21.30
HSDPA Subtest-1	19.85	19.92	20.08	20.80
HSDPA Subtest-2	19.75	19.90	19.74	20.80
HSDPA Subtest-3	19.65	19.49	19.30	20.30
HSDPA Subtest-4	19.45	19.48	19.40	20.30
DC-HSDPA Subtest-1	19.90	20.12	20.12	20.80
DC-HSDPA Subtest-2	19.61	20.02	19.59	20.80
DC-HSDPA Subtest-3	19.70	19.56	19.48	20.30
DC-HSDPA Subtest-4	19.44	19.51	19.39	20.30
HSUPA Subtest-1	19.75	19.73	19.77	19.80
HSUPA Subtest-2	17.82	17.82	17.89	19.80
HSUPA Subtest-3	18.96	18.90	18.88	19.80
HSUPA Subtest-4	18.07	17.94	17.82	19.30
HSUPA Subtest-5	20.14	19.98	19.89	20.80
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	24.05	24.11	23.92	24.30
RMC 12.2Kbps	24.12	24.17	24.05	24.30
HSDPA Subtest-1	23.21	23.12	23.27	23.30
HSDPA Subtest-2	23.15	23.11	23.13	23.30
HSDPA Subtest-3	22.60	22.75	22.73	22.80
HSDPA Subtest-4	22.71	22.70	22.77	22.80
DC-HSDPA Subtest-1	23.02	23.25	23.07	23.30
DC-HSDPA Subtest-2	23.01	22.93	23.10	23.30
DC-HSDPA Subtest-3	22.42	22.64	22.59	22.80
DC-HSDPA Subtest-4	22.75	22.66	22.68	22.80
HSUPA Subtest-1	22.09	22.01	21.85	22.30
HSUPA Subtest-2	22.01	22.05	22.08	22.30
HSUPA Subtest-3	21.89	22.09	22.28	22.30
HSUPA Subtest-4	21.75	21.66	21.49	21.80
HSUPA Subtest-5	22.92	23.04	23.08	23.30

<b>WCDMA-State2&amp;State4-Ant.0</b>				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	23.61	23.64	23.49	23.80
RMC 12.2Kbps	23.61	23.72	23.62	23.80
HSDPA Subtest-1	23.06	23.10	23.17	23.30
HSDPA Subtest-2	23.21	23.01	23.00	23.30
HSDPA Subtest-3	22.60	22.66	22.65	22.80
HSDPA Subtest-4	22.42	22.60	22.40	22.80
DC-HSDPA Subtest-1	23.08	23.16	22.98	23.30
DC-HSDPA Subtest-2	23.22	22.89	23.01	23.30
DC-HSDPA Subtest-3	22.77	22.68	22.69	22.80
DC-HSDPA Subtest-4	22.53	22.46	22.32	22.80
HSUPA Subtest-1	22.19	22.12	22.23	22.30
HSUPA Subtest-2	21.90	22.09	22.29	22.30
HSUPA Subtest-3	21.86	22.01	22.11	22.30
HSUPA Subtest-4	21.73	21.65	21.71	21.80
HSUPA Subtest-5	23.11	23.03	23.05	23.30
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	23.64	23.66	23.49	23.80
RMC 12.2Kbps	23.79	23.67	23.57	23.80
HSDPA Subtest-1	22.97	23.13	23.24	23.30
HSDPA Subtest-2	22.96	23.11	23.00	23.30
HSDPA Subtest-3	22.56	22.70	22.69	22.80
HSDPA Subtest-4	22.67	22.69	22.49	22.80
DC-HSDPA Subtest-1	23.14	23.08	23.07	23.30
DC-HSDPA Subtest-2	22.76	22.92	23.01	23.30
DC-HSDPA Subtest-3	22.68	22.62	22.59	22.80
DC-HSDPA Subtest-4	22.68	22.60	22.48	22.80
HSUPA Subtest-1	22.20	22.02	22.06	22.30
HSUPA Subtest-2	22.25	22.09	21.92	22.30
HSUPA Subtest-3	22.20	22.01	22.10	22.30
HSUPA Subtest-4	21.51	21.67	21.80	21.80
HSUPA Subtest-5	22.94	23.05	23.20	23.30
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	24.05	24.11	23.92	24.30
RMC 12.2Kbps	24.12	24.17	24.05	24.30
HSDPA Subtest-1	23.21	23.12	23.27	23.30
HSDPA Subtest-2	23.15	23.11	23.13	23.30
HSDPA Subtest-3	22.60	22.75	22.73	22.80
HSDPA Subtest-4	22.71	22.70	22.77	22.80
DC-HSDPA Subtest-1	23.02	23.25	23.07	23.30
DC-HSDPA Subtest-2	23.01	22.93	23.10	23.30
DC-HSDPA Subtest-3	22.42	22.64	22.59	22.80
DC-HSDPA Subtest-4	22.75	22.66	22.68	22.80
HSUPA Subtest-1	22.09	22.01	21.85	22.30
HSUPA Subtest-2	22.01	22.05	22.08	22.30
HSUPA Subtest-3	21.89	22.09	22.28	22.30
HSUPA Subtest-4	21.75	21.66	21.49	21.80
HSUPA Subtest-5	22.92	23.04	23.08	23.30

WCDMA-State3-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	20.74	20.80	20.65	21.30
RMC 12.2Kbps	20.74	20.80	20.65	21.30
HSDPA Subtest-1	19.78	19.80	19.68	20.80
HSDPA Subtest-2	19.86	19.77	19.89	20.80
HSDPA Subtest-3	19.26	19.37	19.17	20.30
HSDPA Subtest-4	19.47	19.36	19.47	20.30
DC-HSDPA Subtest-1	19.76	19.81	19.54	20.80
DC-HSDPA Subtest-2	19.86	19.76	19.98	20.80
DC-HSDPA Subtest-3	19.34	19.51	19.33	20.30
DC-HSDPA Subtest-4	19.34	19.49	19.36	20.30
HSUPA Subtest-1	19.75	19.70	19.57	19.80
HSUPA Subtest-2	17.82	17.85	17.88	19.80
HSUPA Subtest-3	18.96	18.76	18.68	19.80
HSUPA Subtest-4	17.85	17.86	17.83	19.30
HSUPA Subtest-5	19.74	19.88	20.02	20.80
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	18.19	18.29	18.18	18.80
RMC 12.2Kbps	18.40	18.27	18.32	18.80
HSDPA Subtest-1	17.23	17.37	17.29	18.30
HSDPA Subtest-2	17.43	17.49	17.61	18.30
HSDPA Subtest-3	17.08	16.96	16.82	17.80
HSDPA Subtest-4	16.77	16.96	16.96	17.80
DC-HSDPA Subtest-1	17.22	17.19	17.10	18.30
DC-HSDPA Subtest-2	17.39	17.46	17.66	18.30
DC-HSDPA Subtest-3	16.92	16.76	16.63	17.80
DC-HSDPA Subtest-4	16.63	17.09	16.94	17.80
HSUPA Subtest-1	17.25	17.25	17.21	17.30
HSUPA Subtest-2	15.31	15.38	15.34	17.30
HSUPA Subtest-3	16.44	16.47	16.39	17.30
HSUPA Subtest-4	15.55	15.49	15.67	16.80
HSUPA Subtest-5	17.59	17.46	17.56	18.30
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	24.05	24.11	23.92	24.30
RMC 12.2Kbps	24.12	24.17	24.05	24.30
HSDPA Subtest-1	23.21	23.12	23.27	23.30
HSDPA Subtest-2	23.15	23.11	23.13	23.30
HSDPA Subtest-3	22.60	22.75	22.73	22.80
HSDPA Subtest-4	22.71	22.70	22.77	22.80
DC-HSDPA Subtest-1	23.02	23.25	23.07	23.30
DC-HSDPA Subtest-2	23.01	22.93	23.10	23.30
DC-HSDPA Subtest-3	22.42	22.64	22.59	22.80
DC-HSDPA Subtest-4	22.75	22.66	22.68	22.80
HSUPA Subtest-1	22.09	22.01	21.85	22.30
HSUPA Subtest-2	22.01	22.05	22.08	22.30
HSUPA Subtest-3	21.89	22.09	22.28	22.30
HSUPA Subtest-4	21.75	21.66	21.49	21.80
HSUPA Subtest-5	22.92	23.04	23.08	23.30



## 8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.84	22.28	22.19	23.30	
		MID	QPSK	22.88	22.43	22.34	23.30	
		HIGH	QPSK	22.78	22.36	22.10	23.30	
	3	LOW	QPSK	22.57	22.33	22.26	23.30	
		MID	QPSK	22.49	22.38	22.44	23.30	
		HIGH	QPSK	22.61	22.45	22.35	23.30	
	6	LOW	QPSK	21.39	21.42	21.22	22.30	
		1	LOW	Q16	21.51	21.58	21.38	22.30
			MID	Q16	21.50	21.06	21.31	22.30
HIGH	Q16		21.61	20.88	21.38	22.30		
3	LOW	Q16	21.62	20.92	21.49	22.30		
	MID	Q16	21.86	20.95	21.45	22.30		
	HIGH	Q16	21.81	20.77	21.36	22.30		
6	LOW	Q16	20.90	20.33	20.23	21.30		
	1	LOW	64QAM	21.00	20.74	19.99	21.30	
		MID	64QAM	20.33	20.50	20.00	21.30	
HIGH		64QAM	19.85	20.14	19.94	21.30		
3	LOW	64QAM	20.99	20.54	19.97	21.30		
	MID	64QAM	20.39	20.36	19.85	21.30		
	HIGH	64QAM	19.67	20.25	19.94	21.30		
6	LOW	64QAM	19.47	19.56	19.36	20.30		
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.31	22.61	22.36	23.30
MID			QPSK	22.30	22.67	22.22	23.30	
HIGH			QPSK	22.32	22.42	22.27	23.30	
8		LOW	QPSK	21.45	21.55	21.22	22.30	
		MID	QPSK	21.49	21.46	21.12	22.30	
		HIGH	QPSK	21.30	21.45	21.28	22.30	
15		LOW	QPSK	21.14	21.28	21.09	22.30	
		1	LOW	Q16	21.93	21.59	21.18	22.30
			MID	Q16	21.42	21.30	20.88	22.30
HIGH	Q16		20.80	21.05	20.95	22.30		
8	LOW	Q16	20.48	20.57	20.29	21.30		
	MID	Q16	20.33	20.49	20.27	21.30		
	HIGH	Q16	20.45	20.39	20.18	21.30		
15	LOW	Q16	20.55	20.56	20.34	21.30		
	1	LOW	64QAM	21.12	20.69	20.26	21.30	
		MID	64QAM	20.49	20.50	19.81	21.30	
HIGH		64QAM	19.89	20.22	19.90	21.30		
8	LOW	64QAM	19.59	19.64	19.49	20.30		
	MID	64QAM	19.42	19.41	19.18	20.30		
	HIGH	64QAM	19.57	19.26	19.16	20.30		
15	LOW	64QAM	19.34	19.63	19.32	20.30		
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
	5	1	LOW	QPSK	22.27	22.37	22.26	23.30
MID			QPSK	22.29	22.63	22.38	23.30	
HIGH			QPSK	22.10	22.51	22.17	23.30	
12		LOW	QPSK	21.43	21.34	21.33	22.30	
		MID	QPSK	21.41	21.44	21.25	22.30	
		HIGH	QPSK	21.29	21.20	21.10	22.30	
25		LOW	QPSK	21.20	21.57	21.18	22.30	
		1	LOW	Q16	21.92	21.63	21.11	22.30
			MID	Q16	21.68	21.48	20.97	22.30
HIGH	Q16		20.83	21.04	20.77	22.30		
12	LOW	Q16	20.58	20.32	20.39	21.30		
	MID	Q16	20.51	20.54	20.29	21.30		
	HIGH	Q16	20.47	20.50	20.05	21.30		
25	LOW	Q16	20.38	20.64	20.32	21.30		
	1	LOW	64QAM	21.04	20.58	20.14	21.30	
		MID	64QAM	20.50	20.56	19.87	21.30	
HIGH		64QAM	19.63	20.32	19.89	21.30		
12	LOW	64QAM	19.54	19.69	19.28	20.30		
	MID	64QAM	19.57	19.46	19.23	20.30		
	HIGH	64QAM	19.51	19.39	19.06	20.30		
25	LOW	64QAM	19.59	19.64	19.38	20.30		

LTE B2-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	22.42	22.43	22.28	23.30	
		MID	QPSK	22.44	22.59	22.19	23.30	
		HIGH	QPSK	22.28	22.58	21.98	23.30	
	25	LOW	QPSK	21.36	21.38	21.21	22.30	
		MID	QPSK	21.36	21.59	21.19	22.30	
		HIGH	QPSK	21.35	21.33	21.16	22.30	
	50	LOW	QPSK	21.39	21.41	21.11	22.30	
	10	1	LOW	Q16	22.09	21.62	21.27	22.30
			MID	Q16	21.42	21.45	21.09	22.30
HIGH			Q16	20.90	21.07	20.78	22.30	
25		LOW	Q16	20.33	20.60	20.17	21.30	
		MID	Q16	20.53	20.71	20.23	21.30	
		HIGH	Q16	20.49	20.31	20.09	21.30	
50		LOW	Q16	20.27	20.63	20.21	21.30	
10		1	LOW	64QAM	21.15	20.65	20.21	21.30
			MID	64QAM	20.56	20.61	20.01	21.30
	HIGH		64QAM	19.75	20.28	19.80	21.30	
	25	LOW	64QAM	19.55	19.69	19.38	20.30	
		MID	64QAM	19.38	19.58	19.25	20.30	
		HIGH	64QAM	19.58	19.47	19.24	20.30	
	50	LOW	64QAM	19.48	19.60	19.39	20.30	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	22.31	22.47	22.12	23.30
MID			QPSK	22.42	22.63	22.20	23.30	
HIGH			QPSK	22.24	22.37	22.13	23.30	
36		LOW	QPSK	21.20	21.30	21.36	22.30	
		MID	QPSK	21.20	21.39	21.24	22.30	
		HIGH	QPSK	21.32	21.22	21.03	22.30	
75		LOW	QPSK	21.41	21.47	21.22	22.30	
15		1	LOW	Q16	22.09	21.59	21.32	22.30
			MID	Q16	21.68	21.44	20.90	22.30
	HIGH		Q16	20.62	21.22	20.92	22.30	
	36	LOW	Q16	20.28	20.43	20.38	21.30	
		MID	Q16	20.58	20.65	20.21	21.30	
		HIGH	Q16	20.38	20.46	20.22	21.30	
	75	LOW	Q16	20.31	20.51	20.35	21.30	
	15	1	LOW	64QAM	20.99	20.52	20.13	21.30
			MID	64QAM	20.47	20.55	19.81	21.30
HIGH			64QAM	19.75	20.09	19.65	21.30	
36		LOW	64QAM	19.57	19.46	19.54	20.30	
		MID	64QAM	19.51	19.59	19.22	20.30	
		HIGH	64QAM	19.38	19.48	19.22	20.30	
75		LOW	64QAM	19.59	19.48	19.32	20.30	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	22.29	22.46	22.23	23.30
	MID		QPSK	22.39	22.71	22.34	23.30	
	HIGH		QPSK	22.18	22.48	22.12	23.30	
	50	LOW	QPSK	21.32	21.44	21.31	22.30	
		MID	QPSK	21.34	21.44	21.23	22.30	
		HIGH	QPSK	21.27	21.33	21.17	22.30	
	100	LOW	QPSK	21.28	21.43	21.24	22.30	
	20	1	LOW	Q16	21.97	21.57	21.24	22.30
			MID	Q16	21.55	21.42	21.00	22.30
HIGH			Q16	20.75	21.10	20.91	22.30	
50		LOW	Q16	20.43	20.47	20.26	21.30	
		MID	Q16	20.45	20.56	20.23	21.30	
		HIGH	Q16	20.39	20.46	20.17	21.30	
100		LOW	Q16	20.42	20.54	20.25	21.30	
20		1	LOW	64QAM	21.08	20.61	20.12	21.30
			MID	64QAM	20.48	20.49	19.90	21.30
	HIGH		64QAM	19.77	20.22	19.79	21.30	
	50	LOW	64QAM	19.49	19.58	19.39	20.30	
		MID	64QAM	19.51	19.55	19.33	20.30	
		HIGH	64QAM	19.44	19.37	19.15	20.30	
	100	LOW	64QAM	19.49	19.59	19.34	20.30	

## 8.3.1 LTE Band2 Output Power

LTE B2- Power -State1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.39	19.16	19.24	19.80	
		MID	QPSK	19.41	19.27	19.39	19.80	
		HIGH	QPSK	19.32	19.17	19.19	19.80	
	3	LOW	QPSK	19.42	19.22	19.04	19.80	
		MID	QPSK	19.45	19.27	19.10	19.80	
		HIGH	QPSK	19.28	19.21	19.06	19.80	
	6	LOW	QPSK	19.36	19.33	19.11	19.80	
		1	LOW	Q16	19.33	19.29	19.25	19.80
			MID	Q16	19.09	19.23	19.42	19.80
HIGH	Q16		19.16	18.87	19.15	19.80		
3	LOW	Q16	18.85	18.93	19.35	19.80		
	MID	Q16	19.26	18.98	19.61	19.80		
	HIGH	Q16	19.68	18.93	19.15	19.80		
6	LOW	Q16	19.37	19.03	19.26	19.80		
	1	LOW	64QAM	19.39	19.38	18.79	19.80	
		MID	64QAM	18.99	19.44	18.61	19.80	
HIGH		64QAM	18.48	18.98	18.80	19.80		
3	LOW	64QAM	19.18	19.29	18.86	19.80		
	MID	64QAM	19.24	19.39	18.54	19.80		
	HIGH	64QAM	18.58	18.96	18.68	19.80		
6	LOW	64QAM	19.13	19.21	19.23	19.80		
	3	LOW	QPSK	19.31	19.35	19.03	19.80	
		MID	QPSK	19.14	19.67	19.09	19.80	
HIGH		QPSK	19.07	19.26	19.05	19.80		
8	LOW	QPSK	19.39	19.25	19.25	19.80		
	MID	QPSK	19.25	19.22	19.17	19.80		
	HIGH	QPSK	19.13	19.33	19.17	19.80		
15	LOW	QPSK	19.22	19.38	19.07	19.80		
	1	LOW	Q16	19.37	19.38	18.95	19.80	
		MID	Q16	19.23	19.35	18.38	19.80	
HIGH		Q16	18.90	19.03	18.49	19.80		
8	LOW	Q16	19.23	19.33	18.99	19.80		
	MID	Q16	19.37	19.46	19.04	19.80		
	HIGH	Q16	19.09	19.31	18.90	19.80		
15	LOW	Q16	19.28	19.20	19.07	19.80		
	1	LOW	64QAM	19.21	19.44	18.98	19.80	
		MID	64QAM	18.99	19.36	18.40	19.80	
HIGH		64QAM	18.76	18.95	18.50	19.80		
8	LOW	64QAM	19.20	19.36	19.13	19.80		
	MID	64QAM	19.22	19.34	19.22	19.80		
	HIGH	64QAM	19.23	19.21	18.96	19.80		
15	LOW	64QAM	19.27	19.26	19.32	19.80		
	5	LOW	QPSK	19.30	19.52	18.90	19.80	
		MID	QPSK	19.20	19.40	19.01	19.80	
HIGH		QPSK	19.10	19.43	19.07	19.80		
12	LOW	QPSK	19.21	19.30	19.12	19.80		
	MID	QPSK	19.18	19.13	19.23	19.80		
	HIGH	QPSK	19.22	19.14	19.01	19.80		
25	LOW	QPSK	19.11	19.33	19.16	19.80		
	LOW	Q16	19.51	19.39	19.11	19.80		
	1	MID	Q16	19.37	19.48	18.40	19.80	
HIGH		Q16	18.69	19.15	18.73	19.80		
LOW		Q16	19.05	19.37	18.96	19.80		
12	MID	Q16	19.11	19.28	18.95	19.80		
	HIGH	Q16	19.15	19.17	18.94	19.80		
	25	LOW	Q16	19.21	19.18	19.15	19.80	
5	1	LOW	64QAM	19.31	19.16	18.79	19.80	
		MID	64QAM	19.12	19.27	18.60	19.80	
		HIGH	64QAM	18.65	19.13	18.52	19.80	
	12	LOW	64QAM	19.09	19.21	18.99	19.80	
		MID	64QAM	19.37	19.36	19.12	19.80	
		HIGH	64QAM	19.29	19.37	18.98	19.80	
	25	LOW	64QAM	19.38	19.45	19.24	19.80	

LTE B2- Power -State1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)			
10	1	LOW	QPSK	19.27	19.47	19.01	19.80			
		MID	QPSK	19.13	19.45	18.99	19.80			
		HIGH	QPSK	19.13	19.32	19.13	19.80			
	25	LOW	QPSK	19.16	19.12	19.09	19.80			
		MID	QPSK	19.34	19.22	19.18	19.80			
		HIGH	QPSK	19.22	19.38	19.18	19.80			
	50	LOW	QPSK	19.17	19.14	19.05	19.80			
	10	1	LOW	Q16	19.43	19.36	18.92	19.80		
			MID	Q16	19.37	19.21	18.38	19.80		
HIGH			Q16	18.84	19.21	18.75	19.80			
25		LOW	Q16	19.12	19.32	19.20	19.80			
		MID	Q16	19.16	19.31	19.04	19.80			
		HIGH	Q16	19.18	19.15	18.94	19.80			
50		LOW	Q16	19.13	19.16	19.06	19.80			
10		1	LOW	64QAM	19.20	19.19	18.89	19.80		
			MID	64QAM	18.99	19.30	18.60	19.80		
	HIGH		64QAM	18.77	19.13	18.63	19.80			
	25	LOW	64QAM	19.22	19.41	19.08	19.80			
		MID	64QAM	19.35	19.21	19.31	19.80			
		HIGH	64QAM	19.32	19.46	18.76	19.80			
	50	LOW	64QAM	19.26	19.42	19.30	19.80			
	15	15	1	LOW	QPSK	19.36	19.44	19.06	19.80	
				MID	QPSK	19.29	19.60	19.00	19.80	
HIGH				QPSK	19.12	19.53	18.94	19.80		
36			LOW	QPSK	19.43	19.20	19.10	19.80		
			MID	QPSK	19.36	19.20	19.26	19.80		
			HIGH	QPSK	19.29	19.22	18.91	19.80		
75			LOW	QPSK	19.18	19.23	19.22	19.80		
15			1	LOW	Q16	19.46	19.27	18.85	19.80	
				MID	Q16	19.20	19.28	18.48	19.80	
		HIGH		Q16	18.64	19.00	18.56	19.80		
		36	LOW	Q16	19.13	19.41	19.17	19.80		
			MID	Q16	19.36	19.41	19.00	19.80		
			HIGH	Q16	19.18	19.38	19.02	19.80		
		75	LOW	Q16	19.02	19.19	19.18	19.80		
		15	1	LOW	64QAM	19.24	19.42	18.86	19.80	
				MID	64QAM	19.23	19.36	18.61	19.80	
HIGH				64QAM	18.69	19.01	18.58	19.80		
36			LOW	64QAM	18.97	19.34	18.99	19.80		
			MID	64QAM	19.28	19.32	19.14	19.80		
			HIGH	64QAM	19.15	19.40	18.79	19.80		
75			LOW	64QAM	19.32	19.40	19.11	19.80		
20			20	1	LOW	QPSK	19.86	20.43	20.06	20.80
					MID	QPSK	20.33	20.22	20.50	20.80
		HIGH			QPSK	19.89	20.40	20.10	20.80	
		50		LOW	QPSK	20.23	20.15	20.23	20.80	
				MID	QPSK	20.23	20.19	20.39	20.80	
				HIGH	QPSK	20.14	20.30	20.24	20.80	
	100	LOW		QPSK	20.22	20.18	20.18	20.80		
	20	1		LOW	Q16	20.06	20.27	20.09	20.80	
				MID	Q16	20.45	20.28	20.23	20.80	
			HIGH	Q16	19.57	19.91	19.80	20.80		
		50	LOW	Q16	20.23	20.07	20.30	20.80		
			MID	Q16	20.28	20.12	20.17	20.80		
			HIGH	Q16	20.15	20.22	20.09	20.80		
		100	LOW	Q16	20.13	20.19	20.18	20.80		
		20	1	LOW	64QAM	19.32	19.31	18.86	20.80	
				MID	64QAM	19.13	19.39	18.90	20.80	
	HIGH			64QAM	18.93	19.00	18.95	20.80		
	50		LOW	64QAM	19.08	19.33	18.99	19.80		
			MID	64QAM	19.32	19.22	19.20	19.80		
			HIGH	64QAM	19.21	19.31	18.87	19.80		
	100		LOW	64QAM	19.28	19.33	19.19	19.80		

## 8.3.1 LTE Band2 Output Power

LTE B2- Power -State2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	17.45	17.54	17.42	17.80	
		MID	QPSK	17.19	17.47	17.31	17.80	
		HIGH	QPSK	17.23	17.49	17.43	17.80	
	3	LOW	QPSK	17.41	17.49	17.45	17.80	
		MID	QPSK	17.44	17.52	17.46	17.80	
		HIGH	QPSK	17.46	17.36	17.30	17.80	
	6	LOW	QPSK	17.17	17.35	17.20	17.80	
	1.4	1	LOW	Q16	17.34	17.02	17.43	17.80
			MID	Q16	17.28	17.23	17.31	17.80
HIGH			Q16	17.37	17.19	17.33	17.80	
3		LOW	Q16	17.30	17.13	17.29	17.80	
		MID	Q16	17.40	17.17	17.31	17.80	
		HIGH	Q16	17.43	17.43	16.78	17.80	
6		LOW	Q16	17.58	17.12	17.16	17.80	
1.4		1	LOW	64QAM	17.74	17.37	17.17	17.80
			MID	64QAM	17.49	17.18	16.73	17.80
	HIGH		64QAM	16.71	16.82	17.02	17.80	
	3	LOW	64QAM	17.77	17.21	17.15	17.80	
		MID	64QAM	17.29	16.96	16.94	17.80	
		HIGH	64QAM	16.93	17.03	16.97	17.80	
	6	LOW	64QAM	17.35	17.05	17.20	17.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	17.52	17.39	17.14	17.80
MID			QPSK	17.17	17.47	17.19	17.80	
HIGH			QPSK	17.12	17.17	17.16	17.80	
8		LOW	QPSK	17.33	17.44	17.04	17.80	
		MID	QPSK	17.49	17.19	17.31	17.80	
		HIGH	QPSK	17.41	17.28	17.18	17.80	
15		LOW	QPSK	17.24	17.33	17.23	17.80	
3		1	LOW	Q16	17.62	17.28	17.18	17.80
			MID	Q16	17.43	17.14	16.95	17.80
	HIGH		Q16	16.77	16.91	16.92	17.80	
	8	LOW	Q16	17.20	17.36	16.92	17.80	
		MID	Q16	17.28	17.40	17.09	17.80	
		HIGH	Q16	17.22	17.06	17.20	17.80	
	15	LOW	Q16	17.27	17.40	17.23	17.80	
	3	1	LOW	64QAM	17.68	17.30	17.17	17.80
			MID	64QAM	17.39	17.00	16.96	17.80
HIGH			64QAM	16.89	17.06	16.99	17.80	
8		LOW	64QAM	17.22	17.28	16.84	17.80	
		MID	64QAM	17.25	17.32	17.21	17.80	
		HIGH	64QAM	17.10	17.28	17.26	17.80	
15		LOW	64QAM	17.29	17.17	16.97	17.80	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	17.30	17.29	17.09	17.80
	MID		QPSK	17.40	17.51	17.42	17.80	
	HIGH		QPSK	17.25	17.26	17.23	17.80	
	12	LOW	QPSK	17.32	17.52	17.27	17.80	
		MID	QPSK	17.52	17.34	17.18	17.80	
		HIGH	QPSK	17.32	17.41	17.13	17.80	
	25	LOW	QPSK	17.41	17.43	17.23	17.80	
	5	1	LOW	Q16	17.35	17.20	17.26	17.80
			MID	Q16	17.50	17.13	17.05	17.80
HIGH			Q16	16.73	16.89	16.77	17.80	
12		LOW	Q16	17.23	17.38	17.09	17.80	
		MID	Q16	17.33	17.26	17.11	17.80	
		HIGH	Q16	17.14	17.02	17.14	17.80	
25		LOW	Q16	17.18	17.14	17.29	17.80	
5		1	LOW	64QAM	17.68	17.33	17.24	17.80
			MID	64QAM	17.34	17.03	16.90	17.80
	HIGH		64QAM	16.89	16.77	16.94	17.80	
	12	LOW	64QAM	17.09	17.14	16.96	17.80	
		MID	64QAM	17.29	17.05	17.34	17.80	
		HIGH	64QAM	17.17	17.21	17.27	17.80	
	25	LOW	64QAM	17.33	16.99	17.14	17.80	

LTE B2- Power -State2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	17.34	17.32	17.10	17.80	
		MID	QPSK	17.40	17.74	17.31	17.80	
		HIGH	QPSK	17.24	17.13	17.22	17.80	
	25	LOW	QPSK	17.45	17.32	17.25	17.80	
		MID	QPSK	17.24	17.47	17.18	17.80	
		HIGH	QPSK	17.48	17.18	17.01	17.80	
	50	LOW	QPSK	17.44	17.33	17.21	17.80	
	10	1	LOW	Q16	17.76	17.11	17.12	17.80
			MID	Q16	17.42	17.10	17.10	17.80
HIGH			Q16	16.71	17.01	16.70	17.80	
25		LOW	Q16	17.42	17.33	16.92	17.80	
		MID	Q16	17.48	17.33	17.00	17.80	
		HIGH	Q16	17.20	17.05	16.97	17.80	
50		LOW	Q16	17.12	17.30	17.07	17.80	
10		1	LOW	64QAM	17.59	17.11	17.34	17.80
			MID	64QAM	17.52	17.19	16.87	17.80
	HIGH		64QAM	17.02	16.78	17.02	17.80	
	25	LOW	64QAM	17.09	17.10	16.98	17.80	
		MID	64QAM	17.46	17.23	17.14	17.80	
		HIGH	64QAM	17.26	17.09	17.21	17.80	
	50	LOW	64QAM	17.16	17.25	17.01	17.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	17.25	17.38	17.27	17.80
MID			QPSK	17.17	17.69	17.35	17.80	
HIGH			QPSK	17.19	17.18	17.09	17.80	
36		LOW	QPSK	17.27	17.32	17.07	17.80	
		MID	QPSK	17.24	17.29	17.30	17.80	
		HIGH	QPSK	17.39	17.17	17.09	17.80	
75		LOW	QPSK	17.46	17.34	17.20	17.80	
15		1	LOW	Q16	17.15	17.32	17.20	17.80
			MID	Q16	17.41	16.98	17.05	17.80
	HIGH		Q16	17.21	16.93	16.98	17.80	
	36	LOW	Q16	17.24	17.14	17.16	17.80	
		MID	Q16	17.46	17.35	17.19	17.80	
		HIGH	Q16	17.19	17.17	17.00	17.80	
	75	LOW	Q16	17.25	17.25	17.02	17.80	
	15	1	LOW	64QAM	17.65	17.37	17.28	17.80
			MID	64QAM	17.31	17.18	16.77	17.80
HIGH			64QAM	16.68	17.02	16.97	17.80	
36		LOW	64QAM	17.24	17.08	16.95	17.80	
		MID	64QAM	17.18	17.28	17.30	17.80	
		HIGH	64QAM	17.13	17.12	17.10	17.80	
75		LOW	64QAM	17.19	17.18	17.12	17.80	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	17.89	18.25	18.05	18.80
	MID		QPSK	18.25	18.46	18.49	18.80	
	HIGH		QPSK	17.89	18.35	18.06	18.80	
	50	LOW	QPSK	18.27	18.21	18.22	18.80	
		MID	QPSK	18.28	18.25	18.29	18.80	
		HIGH	QPSK	18.21	18.28	18.22	18.80	
	100	LOW	QPSK	18.19	18.25	18.27	18.80	
	20	1	LOW	Q16	18.10	18.17	18.30	18.80
			MID	Q16	18.65	18.76	18.39	18.80
HIGH			Q16	17.57	17.85	17.94	18.80	
50		LOW	Q16	18.32	18.15	18.28	18.80	
		MID	Q16	18.35	18.16	18.21	18.80	
		HIGH	Q16	18.31	18.19	18.15	18.80	
100		LOW	Q16	18.21	18.26	18.27	18.80	
20		1	LOW	64QAM	17.69	17.24	17.24	18.80
			MID	64QAM	17.41	17.08	16.82	18.80
	HIGH		64QAM	16.98	16.92	16.88	18.80	
	50	LOW	64QAM	17.22	17.20	16.95	18.80	
		MID	64QAM	17.31	17.18	17.24	18.80	
		HIGH	64QAM	17.18	17.15	17.23	18.80	
	100	LOW	64QAM	17.28	17.13	17.09	18.80	

## 8.3.1 LTE Band2 Output Power

LTE B2- Power -State3&4								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	16.78	16.73	16.56	17.30	
		MID	QPSK	16.70	17.00	16.72	17.30	
		HIGH	QPSK	16.58	16.60	16.54	17.30	
	3	LOW	QPSK	16.78	16.79	16.63	17.30	
		MID	QPSK	16.80	16.76	16.59	17.30	
		HIGH	QPSK	16.77	16.68	16.54	17.30	
	6	LOW	QPSK	16.78	16.76	16.59	17.30	
	1.4	1	LOW	Q16	17.17	16.61	16.59	17.30
			MID	Q16	16.95	16.49	16.40	17.30
HIGH			Q16	16.51	16.32	16.30	17.30	
3		LOW	Q16	16.77	16.69	16.48	17.30	
		MID	Q16	16.83	16.70	16.57	17.30	
		HIGH	Q16	16.62	16.46	16.51	17.30	
6		LOW	Q16	16.71	16.67	16.61	17.30	
1.4		1	LOW	64QAM	17.09	16.65	16.67	17.30
			MID	64QAM	16.86	16.49	16.26	17.30
	HIGH		64QAM	16.18	16.35	16.31	17.30	
	3	LOW	64QAM	16.64	16.61	16.36	17.30	
		MID	64QAM	16.75	16.58	16.68	17.30	
		HIGH	64QAM	16.63	16.55	16.68	17.30	
	6	LOW	64QAM	16.72	16.54	16.50	17.30	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	16.81	16.75	16.60	17.30
MID			QPSK	16.67	17.04	16.72	17.30	
HIGH			QPSK	16.58	16.62	16.54	17.30	
8		LOW	QPSK	16.78	16.77	16.62	17.30	
		MID	QPSK	16.80	16.76	16.62	17.30	
		HIGH	QPSK	16.77	16.69	16.53	17.30	
15		LOW	QPSK	16.75	16.76	16.58	17.30	
3		1	LOW	Q16	17.21	16.62	16.60	17.30
			MID	Q16	16.92	16.47	16.37	17.30
	HIGH		Q16	16.54	16.33	16.28	17.30	
	8	LOW	Q16	16.74	16.69	16.49	17.30	
		MID	Q16	16.82	16.71	16.55	17.30	
		HIGH	Q16	16.61	16.46	16.54	17.30	
	15	LOW	Q16	16.71	16.67	16.59	17.30	
	3	1	LOW	64QAM	17.10	16.68	16.67	17.30
			MID	64QAM	16.81	16.51	16.26	17.30
HIGH			64QAM	16.22	16.34	16.30	17.30	
8		LOW	64QAM	16.63	16.65	16.38	17.30	
		MID	64QAM	16.71	16.63	16.68	17.30	
		HIGH	64QAM	16.60	16.55	16.63	17.30	
15		LOW	64QAM	16.73	16.57	16.52	17.30	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	16.78	16.75	16.57	17.30
	MID		QPSK	16.71	17.00	16.69	17.30	
	HIGH		QPSK	16.60	16.59	16.54	17.30	
	12	LOW	QPSK	16.80	16.81	16.63	17.30	
		MID	QPSK	16.83	16.79	16.59	17.30	
		HIGH	QPSK	16.79	16.69	16.55	17.30	
	25	LOW	QPSK	16.73	16.76	16.58	17.30	
	5	1	LOW	Q16	17.20	16.63	16.58	17.30
			MID	Q16	16.96	16.46	16.36	17.30
HIGH			Q16	16.56	16.32	16.25	17.30	
12		LOW	Q16	16.75	16.73	16.48	17.30	
		MID	Q16	16.86	16.71	16.59	17.30	
		HIGH	Q16	16.57	16.46	16.54	17.30	
25		LOW	Q16	16.67	16.68	16.60	17.30	
5		1	LOW	64QAM	17.12	16.69	16.64	17.30
			MID	64QAM	16.86	16.52	16.23	17.30
	HIGH		64QAM	16.23	16.35	16.28	17.30	
	12	LOW	64QAM	16.66	16.64	16.40	17.30	
		MID	64QAM	16.72	16.61	16.69	17.30	
		HIGH	64QAM	16.58	16.55	16.66	17.30	
	25	LOW	64QAM	16.72	16.57	16.50	17.30	

LTE B2- Power -State3&4								
Bandwidth (MH)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	16.83	16.73	16.57	17.30	
		MID	QPSK	16.71	16.99	16.69	17.30	
		HIGH	QPSK	16.60	16.58	16.49	17.30	
	25	LOW	QPSK	16.79	16.79	16.62	17.30	
		MID	QPSK	16.83	16.78	16.58	17.30	
		HIGH	QPSK	16.78	16.70	16.52	17.30	
	50	LOW	QPSK	16.77	16.77	16.55	17.30	
	10	1	LOW	Q16	17.17	16.62	16.60	17.30
			MID	Q16	16.94	16.46	16.40	17.30
HIGH			Q16	16.56	16.31	16.29	17.30	
25		LOW	Q16	16.75	16.68	16.49	17.30	
		MID	Q16	16.82	16.70	16.59	17.30	
		HIGH	Q16	16.60	16.43	16.51	17.30	
50		LOW	Q16	16.68	16.68	16.56	17.30	
10		1	LOW	64QAM	17.12	16.68	16.68	17.30
			MID	64QAM	16.85	16.49	16.25	17.30
	HIGH		64QAM	16.22	16.33	16.28	17.30	
	25	LOW	64QAM	16.63	16.63	16.39	17.30	
		MID	64QAM	16.72	16.60	16.66	17.30	
		HIGH	64QAM	16.60	16.55	16.64	17.30	
	50	LOW	64QAM	16.73	16.58	16.50	17.30	
	Bandwidth (MH)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	16.82	16.72	16.56	17.30
MID			QPSK	16.66	17.00	16.69	17.30	
HIGH			QPSK	16.58	16.59	16.50	17.30	
36		LOW	QPSK	16.77	16.81	16.62	17.30	
		MID	QPSK	16.83	16.79	16.58	17.30	
		HIGH	QPSK	16.76	16.68	16.52	17.30	
75		LOW	QPSK	16.78	16.75	16.59	17.30	
15		1	LOW	Q16	17.18	16.64	16.58	17.30
			MID	Q16	16.95	16.48	16.38	17.30
	HIGH		Q16	16.52	16.34	16.26	17.30	
	36	LOW	Q16	16.79	16.70	16.48	17.30	
		MID	Q16	16.84	16.66	16.55	17.30	
		HIGH	Q16	16.58	16.42	16.54	17.30	
	75	LOW	Q16	16.68	16.66	16.56	17.30	
	15	1	LOW	64QAM	17.12	16.66	16.66	17.30
			MID	64QAM	16.81	16.51	16.22	17.30
HIGH			64QAM	16.23	16.35	16.30	17.30	
36		LOW	64QAM	16.63	16.60	16.39	17.30	
		MID	64QAM	16.73	16.63	16.64	17.30	
		HIGH	64QAM	16.59	16.60	16.65	17.30	
75		LOW	64QAM	16.68	16.54	16.54	17.30	
Bandwidth (MH)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	17.44	17.73	17.69	18.30
	MID		QPSK	17.84	17.86	18.19	18.30	
	HIGH		QPSK	17.69	18.08	17.64	18.30	
	50	LOW	QPSK	17.74	17.90	17.78	18.30	
		MID	QPSK	17.73	17.90	17.95	18.30	
		HIGH	QPSK	17.70	17.73	17.73	18.30	
	100	LOW	QPSK	17.69	17.89	17.72	18.30	
	20	1	LOW	Q16	17.73	17.95	17.79	18.30
			MID	Q16	18.05	17.96	17.29	18.30
HIGH			Q16	17.37	17.11	17.47	18.30	
50		LOW	Q16	17.84	17.90	17.79	18.30	
		MID	Q16	17.88	18.07	17.73	18.30	
		HIGH	Q16	17.70	17.99	17.71	18.30	
100		LOW	Q16	17.72	17.93	17.66	18.30	
20		1	LOW	64QAM	17.10	16.69	16.69	18.30
			MID	64QAM	16.82	16.51	16.40	18.30
	HIGH		64QAM	16.38	16.35	16.30	18.30	
	50	LOW	64QAM	16.67	16.62	16.37	18.30	
		MID	64QAM	16.74	16.58	16.67	18.30	
		HIGH	64QAM	16.60	16.59	16.66	18.30	
	100	LOW	64QAM	16.73	16.57	16.50	18.30	



## 8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.51	22.44	22.33	23.30
		MID	QPSK	22.56	22.61	22.48	23.30
		HIGH	QPSK	22.71	22.43	22.27	23.30
	3	LOW	QPSK	22.59	22.55	22.35	23.30
		MID	QPSK	22.63	22.59	22.53	23.30
		HIGH	QPSK	22.49	22.61	22.41	23.30
6	LOW	QPSK	21.39	21.56	21.33	22.30	
1.4	1	LOW	Q16	21.48	21.95	21.38	22.30
		MID	Q16	21.48	22.05	21.14	22.30
		HIGH	Q16	21.49	21.89	20.94	22.30
	3	LOW	Q16	21.52	21.19	21.17	22.30
		MID	Q16	21.48	21.14	21.20	22.30
		HIGH	Q16	21.54	21.40	21.13	22.30
6	LOW	Q16	20.54	20.39	20.57	21.30	
1.4	1	LOW	64QAM	20.83	20.75	20.63	21.30
		MID	64QAM	20.62	20.54	19.99	21.30
		HIGH	64QAM	19.98	20.10	20.08	21.30
	3	LOW	64QAM	20.92	20.73	20.78	21.30
		MID	64QAM	20.63	20.61	19.90	21.30
		HIGH	64QAM	20.14	20.19	20.10	21.30
6	LOW	64QAM	19.39	19.65	19.49	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.23	22.54	22.45	23.30
		MID	QPSK	22.40	22.63	22.81	23.30
		HIGH	QPSK	22.24	22.64	22.12	23.30
	8	LOW	QPSK	21.52	21.34	21.31	22.30
		MID	QPSK	21.35	21.70	21.72	22.30
		HIGH	QPSK	21.55	21.56	21.31	22.30
15	LOW	QPSK	21.41	21.74	21.30	22.30	
3	1	LOW	Q16	21.69	21.81	21.53	22.30
		MID	Q16	21.86	21.52	20.96	22.30
		HIGH	Q16	20.92	21.13	20.97	22.30
	8	LOW	Q16	20.57	20.66	20.59	21.30
		MID	Q16	20.52	20.52	20.51	21.30
		HIGH	Q16	20.20	20.54	20.14	21.30
15	LOW	Q16	20.58	20.63	20.51	21.30	
3	1	LOW	64QAM	20.86	20.67	20.71	21.30
		MID	64QAM	20.86	20.55	19.90	21.30
		HIGH	64QAM	19.94	20.09	20.08	21.30
	8	LOW	64QAM	19.78	19.87	19.70	20.30
		MID	64QAM	19.65	19.59	19.59	20.30
		HIGH	64QAM	19.17	19.66	19.11	20.30
15	LOW	64QAM	19.35	19.59	19.39	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.45	22.49	22.48	23.30
		MID	QPSK	22.47	22.40	22.64	23.30
		HIGH	QPSK	22.29	22.46	22.10	23.30
	12	LOW	QPSK	21.27	21.43	21.28	22.30
		MID	QPSK	21.45	21.70	21.68	22.30
		HIGH	QPSK	21.52	21.55	21.19	22.30
25	LOW	QPSK	21.37	21.61	21.39	22.30	
5	1	LOW	Q16	21.62	21.67	21.67	22.30
		MID	Q16	21.83	21.59	20.76	22.30
		HIGH	Q16	21.04	21.13	20.80	22.30
	12	LOW	Q16	20.64	20.55	20.60	21.30
		MID	Q16	20.56	20.63	20.31	21.30
		HIGH	Q16	20.21	20.50	20.12	21.30
25	LOW	Q16	20.40	20.57	20.57	21.30	
5	1	LOW	64QAM	20.81	20.92	20.63	21.30
		MID	64QAM	20.70	20.67	19.84	21.30
		HIGH	64QAM	20.04	20.23	20.10	21.30
	12	LOW	64QAM	19.63	19.68	19.44	20.30
		MID	64QAM	19.64	19.60	19.43	20.30
		HIGH	64QAM	19.47	19.39	19.26	20.30
25	LOW	64QAM	19.55	19.47	19.55	20.30	

LTE B2-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.28	22.71	22.49	23.30
		MID	QPSK	22.54	22.40	22.72	23.30
		HIGH	QPSK	22.05	22.47	22.22	23.30
	25	LOW	QPSK	21.47	21.21	21.41	22.30
		MID	QPSK	21.34	21.65	21.48	22.30
		HIGH	QPSK	21.30	21.51	21.34	22.30
50	LOW	QPSK	21.53	21.63	21.39	22.30	
10	1	LOW	Q16	21.64	21.90	21.56	22.30
		MID	Q16	21.71	21.58	20.72	22.30
		HIGH	Q16	20.86	21.24	20.85	22.30
	25	LOW	Q16	20.59	20.81	20.31	21.30
		MID	Q16	20.51	20.75	20.55	21.30
		HIGH	Q16	20.35	20.42	20.32	21.30
50	LOW	Q16	20.32	20.47	20.35	21.30	
10	1	LOW	64QAM	20.92	20.89	20.73	21.30
		MID	64QAM	20.85	20.65	19.80	21.30
		HIGH	64QAM	19.98	20.05	20.01	21.30
	25	LOW	64QAM	19.76	19.92	19.68	20.30
		MID	64QAM	19.49	19.80	19.44	20.30
		HIGH	64QAM	19.42	19.45	19.15	20.30
50	LOW	64QAM	19.23	19.57	19.54	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.23	22.69	22.66	23.30
		MID	QPSK	22.46	22.54	22.80	23.30
		HIGH	QPSK	22.01	22.72	22.04	23.30
	36	LOW	QPSK	21.36	21.47	21.53	22.30
		MID	QPSK	21.44	21.50	21.66	22.30
	75	HIGH	QPSK	21.36	21.45	21.37	22.30
15	1	LOW	Q16	21.70	21.74	21.66	22.30
		MID	Q16	21.79	21.44	20.80	22.30
		HIGH	Q16	21.08	21.22	20.93	22.30
	36	LOW	Q16	20.58	20.80	20.32	21.30
		MID	Q16	20.45	20.49	20.43	21.30
	75	HIGH	Q16	20.24	20.54	20.13	21.30
15	1	LOW	Q16	20.36	20.52	20.51	21.30
		LOW	64QAM	20.83	20.87	20.59	21.30
		MID	64QAM	20.64	20.71	19.84	21.30
	36	HIGH	64QAM	19.91	20.15	19.84	21.30
		LOW	64QAM	19.59	19.65	19.55	20.30
	75	MID	64QAM	19.69	19.81	19.61	20.30
LOW	64QAM	19.34	19.50	19.32	20.30		
LOW	64QAM	19.28	19.57	19.36	20.30		
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.31	22.60	22.54	23.30
		MID	QPSK	22.52	22.48	22.69	23.30
		HIGH	QPSK	22.15	22.59	22.14	23.30
	50	LOW	QPSK	21.41	21.33	21.38	22.30
		MID	QPSK	21.39	21.60	21.63	22.30
		HIGH	QPSK	21.40	21.54	21.31	22.30
100	LOW	QPSK	21.40	21.59	21.35	22.30	
20	1	LOW	Q16	21.70	21.76	21.56	22.30
		MID	Q16	21.71	21.57	20.86	22.30
		HIGH	Q16	20.93	21.23	20.91	22.30
	50	LOW	Q16	20.49	20.67	20.45	21.30
		MID	Q16	20.52	20.63	20.42	21.30
		HIGH	Q16	20.33	20.55	20.21	21.30
100	LOW	Q16	20.44	20.50	20.46	21.30	
20	1	LOW	64QAM	20.80	20.82	20.70	21.30
		MID	64QAM	20.76	20.69	19.89	21.30
		HIGH	64QAM	19.99	20.14	19.99	21.30
	50	LOW	64QAM	19.64	19.77	19.56	20.30
		MID	64QAM	19.56	19.68	19.50	20.30
		HIGH	64QAM	19.32	19.54	19.23	20.30
100	LOW	64QAM	19.35	19.55	19.44	20.30	

## 8.3.1 LTE Band2 Output Power

LTE B2-State1 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.80	20.96	20.31	22.30
		MID	QPSK	20.67	20.97	20.40	22.30
		HIGH	QPSK	20.73	20.89	20.31	22.30
	3	LOW	QPSK	20.60	20.72	20.45	22.30
		MID	QPSK	20.66	20.75	20.48	22.30
		HIGH	QPSK	20.50	20.79	20.51	22.30
6	LOW	QPSK	20.44	20.69	20.44	22.30	
1.4	1	LOW	Q16	20.57	20.71	20.45	22.30
		MID	Q16	20.74	20.66	20.30	22.30
		HIGH	Q16	20.64	20.75	20.55	22.30
	3	LOW	Q16	20.73	20.42	20.45	22.30
		MID	Q16	20.87	20.46	20.43	22.30
		HIGH	Q16	20.34	20.71	20.32	22.30
6	LOW	Q16	20.74	20.90	20.19	21.30	
1.4	1	LOW	64QAM	20.66	20.72	20.20	21.30
		MID	64QAM	21.04	20.56	20.32	21.30
		HIGH	64QAM	20.24	20.14	19.90	21.30
	3	LOW	64QAM	20.63	20.91	20.29	21.30
		MID	64QAM	21.01	20.45	20.28	21.30
		HIGH	64QAM	20.14	20.17	19.79	21.30
6	LOW	64QAM	19.64	19.35	19.46	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	21.56	21.47	21.47	22.30
		MID	QPSK	21.78	21.54	22.05	22.30
		HIGH	QPSK	21.00	21.43	21.19	22.30
	8	LOW	QPSK	21.66	21.57	21.43	22.30
		MID	QPSK	21.43	21.37	21.62	22.30
		HIGH	QPSK	21.48	21.61	21.36	22.30
15	LOW	QPSK	21.52	21.39	21.50	22.30	
3	1	LOW	Q16	21.62	21.86	21.29	22.30
		MID	Q16	22.09	21.49	21.12	22.30
		HIGH	Q16	21.11	21.21	20.84	22.30
	8	LOW	Q16	20.56	20.40	20.62	21.30
		MID	Q16	20.92	20.50	20.42	21.30
		HIGH	Q16	20.80	20.59	20.35	21.30
15	LOW	Q16	20.48	20.46	20.32	21.30	
3	1	LOW	64QAM	20.66	20.80	20.10	21.30
		MID	64QAM	21.06	20.48	20.28	21.30
		HIGH	64QAM	20.12	20.17	19.91	21.30
	8	LOW	64QAM	19.83	19.62	19.48	20.30
		MID	64QAM	19.87	19.59	19.48	20.30
		HIGH	64QAM	19.76	19.40	19.26	20.30
15	LOW	64QAM	19.62	19.42	19.29	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	21.35	21.43	21.33	22.30
		MID	QPSK	21.72	21.61	22.10	22.30
		HIGH	QPSK	21.02	21.56	20.93	22.30
	12	LOW	QPSK	21.60	21.52	21.36	22.30
		MID	QPSK	21.60	21.53	21.52	22.30
		HIGH	QPSK	21.57	21.65	21.43	22.30
25	LOW	QPSK	21.56	21.49	21.48	22.30	
5	1	LOW	Q16	21.72	21.87	21.22	22.30
		MID	Q16	22.00	21.36	21.09	22.30
		HIGH	Q16	21.22	21.00	20.85	22.30
	12	LOW	Q16	20.77	20.62	20.60	21.30
		MID	Q16	20.99	20.56	20.43	21.30
		HIGH	Q16	20.83	20.56	20.21	21.30
25	LOW	Q16	20.69	20.46	20.34	21.30	
5	1	LOW	64QAM	20.59	20.72	20.20	21.30
		MID	64QAM	21.12	20.47	20.26	21.30
		HIGH	64QAM	20.01	20.29	19.84	21.30
	12	LOW	64QAM	19.62	19.53	19.49	20.30
		MID	64QAM	19.80	19.77	19.57	20.30
		HIGH	64QAM	19.72	19.33	19.16	20.30
25	LOW	64QAM	19.97	19.50	19.39	20.30	

LTE B2-State1 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	21.56	21.42	21.53	22.30
		MID	QPSK	21.59	21.50	21.98	22.30
		HIGH	QPSK	21.10	21.63	21.23	22.30
	25	LOW	QPSK	21.67	21.44	21.34	22.30
		MID	QPSK	21.41	21.51	21.64	22.30
		HIGH	QPSK	21.60	21.74	21.34	22.30
50	LOW	QPSK	21.49	21.24	21.29	22.30	
10	1	LOW	Q16	21.62	22.02	21.28	22.30
		MID	Q16	21.99	21.52	21.24	22.30
		HIGH	Q16	21.06	21.19	20.94	22.30
	25	LOW	Q16	20.76	20.61	20.51	21.30
		MID	Q16	20.98	20.43	20.45	21.30
		HIGH	Q16	20.71	20.49	20.25	21.30
50	LOW	Q16	20.53	20.49	20.35	21.30	
10	1	LOW	64QAM	20.66	20.81	20.20	21.30
		MID	64QAM	21.13	20.58	20.21	21.30
		HIGH	64QAM	20.18	20.27	19.71	21.30
	25	LOW	64QAM	19.84	19.64	19.57	20.30
		MID	64QAM	19.84	19.72	19.33	20.30
		HIGH	64QAM	19.70	19.45	19.29	20.30
50	LOW	64QAM	19.64	19.55	19.44	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	21.34	21.28	21.37	22.30
		MID	QPSK	21.67	21.44	22.06	22.30
		HIGH	QPSK	21.11	21.70	21.21	22.30
	36	LOW	QPSK	21.65	21.51	21.51	22.30
		MID	QPSK	21.52	21.47	21.67	22.30
	75	HIGH	QPSK	21.56	21.57	21.39	22.30
75	LOW	QPSK	21.66	21.52	21.29	22.30	
15	1	LOW	Q16	21.67	21.88	21.20	22.30
		MID	Q16	22.03	21.35	21.23	22.30
		HIGH	Q16	21.21	20.98	20.77	22.30
	36	LOW	Q16	20.77	20.38	20.50	21.30
		MID	Q16	20.81	20.45	20.54	21.30
		HIGH	Q16	20.66	20.62	20.18	21.30
75	LOW	Q16	20.60	20.24	20.53	21.30	
15	1	LOW	64QAM	20.65	20.66	20.23	21.30
		MID	64QAM	21.09	20.45	20.23	21.30
		HIGH	64QAM	20.00	20.27	19.72	21.30
	36	LOW	64QAM	19.85	19.63	19.55	20.30
		MID	64QAM	19.66	19.73	19.49	20.30
		HIGH	64QAM	19.77	19.41	19.22	20.30
75	LOW	64QAM	19.67	19.38	19.41	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	21.46	21.43	21.47	22.30
		MID	QPSK	21.70	21.59	21.96	22.30
		HIGH	QPSK	21.08	21.57	21.08	22.30
	50	LOW	QPSK	21.53	21.55	21.41	22.30
		MID	QPSK	21.47	21.47	21.65	22.30
		HIGH	QPSK	21.50	21.59	21.34	22.30
100	LOW	QPSK	21.55	21.37	21.42	22.30	
20	1	LOW	Q16	21.59	21.90	21.33	22.30
		MID	Q16	22.00	21.49	21.19	22.30
		HIGH	Q16	21.13	21.12	20.86	22.30
	50	LOW	Q16	20.71	20.48	20.48	21.30
		MID	Q16	20.84	20.58	20.42	21.30
		HIGH	Q16	20.70	20.48	20.33	21.30
100	LOW	Q16	20.56	20.38	20.44	21.30	
20	1	LOW	64QAM	20.52	20.81	20.23	21.30
		MID	64QAM	21.01	20.45	20.24	21.30
		HIGH	64QAM	20.14	20.18	19.78	21.30
	50	LOW	64QAM	19.74	19.53	19.52	20.30
		MID	64QAM	19.74	19.67	19.43	20.30
		HIGH	64QAM	19.72	19.40	19.20	20.30
100	LOW	64QAM	19.62	19.49	19.41	20.30	

## 8.3.1 LTE Band2 Output Power

LTE B2-State2&State4 -Ant.0								
Bandwidth	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.51	22.44	22.33	23.30	
		MID	QPSK	22.56	22.61	22.48	23.30	
		HIGH	QPSK	22.71	22.43	22.27	23.30	
	3	LOW	QPSK	22.59	22.55	22.35	23.30	
		MID	QPSK	22.63	22.59	22.53	23.30	
		HIGH	QPSK	22.49	22.61	22.41	23.30	
6	LOW	QPSK	21.39	21.56	21.33	22.30		
1.4	1	LOW	Q16	21.48	21.95	21.38	22.30	
		MID	Q16	21.48	22.05	21.14	22.30	
		HIGH	Q16	21.49	21.89	20.94	22.30	
	3	LOW	Q16	21.52	21.19	21.17	22.30	
		MID	Q16	21.48	21.14	21.20	22.30	
		HIGH	Q16	21.54	21.40	21.13	22.30	
	6	LOW	Q16	20.54	20.39	20.57	21.30	
	1.4	1	LOW	64QAM	20.56	20.71	20.40	21.30
			MID	64QAM	20.51	20.64	19.77	21.30
HIGH			64QAM	20.12	20.26	19.74	21.30	
3		LOW	64QAM	20.66	20.75	20.52	21.30	
		MID	64QAM	20.56	20.73	19.79	21.30	
		HIGH	64QAM	20.14	20.20	19.84	21.30	
6	LOW	64QAM	19.67	19.30	19.34	20.30		
Bandwidth	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)	
3	1	LOW	QPSK	22.22	22.52	22.52	23.30	
		MID	QPSK	22.60	22.39	22.66	23.30	
		HIGH	QPSK	22.01	22.58	22.10	23.30	
	8	LOW	QPSK	21.48	21.48	21.32	22.30	
		MID	QPSK	21.31	21.65	21.59	22.30	
		HIGH	QPSK	21.33	21.59	21.39	22.30	
15	LOW	QPSK	21.44	21.54	21.43	22.30		
3	1	LOW	Q16	21.62	21.71	21.48	22.30	
		MID	Q16	21.83	21.68	20.97	22.30	
		HIGH	Q16	20.84	21.38	20.89	22.30	
	8	LOW	Q16	20.41	20.70	20.57	21.30	
		MID	Q16	20.67	20.59	20.30	21.30	
		HIGH	Q16	20.20	20.56	20.25	21.30	
	15	LOW	Q16	20.56	20.60	20.53	21.30	
	3	1	LOW	64QAM	20.41	20.60	20.46	21.30
			MID	64QAM	20.75	20.83	19.85	21.30
HIGH			64QAM	20.12	20.22	19.75	21.30	
8		LOW	64QAM	19.41	19.50	19.35	20.30	
		MID	64QAM	19.56	19.45	19.44	20.30	
		HIGH	64QAM	19.29	19.75	19.24	20.30	
15	LOW	64QAM	19.50	19.47	19.29	20.30		
Bandwidth	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	22.22	22.55	22.47	23.30	
		MID	QPSK	22.51	22.57	22.64	23.30	
		HIGH	QPSK	22.04	22.58	22.06	23.30	
	12	LOW	QPSK	21.48	21.18	21.41	22.30	
		MID	QPSK	21.44	21.62	21.58	22.30	
		HIGH	QPSK	21.36	21.41	21.28	22.30	
25	LOW	QPSK	21.39	21.46	21.35	22.30		
5	1	LOW	Q16	21.71	21.71	21.59	22.30	
		MID	Q16	21.75	21.62	20.94	22.30	
		HIGH	Q16	20.89	21.14	20.87	22.30	
	12	LOW	Q16	20.43	20.82	20.35	21.30	
		MID	Q16	20.53	20.68	20.27	21.30	
		HIGH	Q16	20.38	20.46	20.35	21.30	
	25	LOW	Q16	20.54	20.44	20.34	21.30	
	5	1	LOW	64QAM	20.42	20.63	20.37	21.30
			MID	64QAM	20.65	20.61	19.96	21.30
HIGH			64QAM	20.08	20.41	19.91	21.30	
12		LOW	64QAM	19.28	19.69	19.42	20.30	
		MID	64QAM	19.37	19.62	19.62	20.30	
		HIGH	64QAM	19.34	19.74	19.28	20.30	
25	LOW	64QAM	19.30	19.43	19.42	20.30		

LTE B2-State2&State4 -Ant.0							
Bandwidth	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.28	22.67	22.58	23.30
		MID	QPSK	22.48	22.53	22.66	23.30
		HIGH	QPSK	22.06	22.50	22.00	23.30
	25	LOW	QPSK	21.55	21.29	21.47	22.30
		MID	QPSK	21.50	21.46	21.57	22.30
		HIGH	QPSK	21.41	21.58	21.37	22.30
50	LOW	QPSK	21.32	21.51	21.22	22.30	
10	1	LOW	Q16	21.69	21.67	21.62	22.30
		MID	Q16	21.84	21.58	20.90	22.30
		HIGH	Q16	20.98	21.15	20.95	22.30
	25	LOW	Q16	20.55	20.82	20.59	21.30
		MID	Q16	20.46	20.54	20.45	21.30
		HIGH	Q16	20.24	20.62	20.35	21.30
50	LOW	Q16	20.38	20.52	20.49	21.30	
10	1	LOW	64QAM	20.53	20.59	20.52	21.30
		MID	64QAM	20.74	20.60	19.98	21.30
		HIGH	64QAM	19.98	20.40	19.76	21.30
	25	LOW	64QAM	19.30	19.70	19.50	20.30
		MID	64QAM	19.33	19.65	19.53	20.30
		HIGH	64QAM	19.48	19.64	19.32	20.30
50	LOW	64QAM	19.67	19.51	19.36	20.30	
Bandwidth	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.44	22.71	22.52	23.30
		MID	QPSK	22.37	22.37	22.58	23.30
		HIGH	QPSK	22.11	22.73	22.06	23.30
	36	LOW	QPSK	21.45	21.26	21.48	22.30
		MID	QPSK	21.48	21.49	21.72	22.30
	75	HIGH	QPSK	21.51	21.50	21.23	22.30
15	1	LOW	Q16	21.70	21.90	21.60	22.30
		MID	Q16	21.57	21.64	20.74	22.30
		HIGH	Q16	20.98	21.29	21.03	22.30
	36	LOW	Q16	20.52	20.71	20.58	21.30
		MID	Q16	20.50	20.59	20.31	21.30
	75	HIGH	Q16	20.21	20.46	20.19	21.30
15	1	LOW	Q16	20.30	20.45	20.47	21.30
		LOW	64QAM	20.48	20.51	20.61	21.30
		MID	64QAM	20.60	20.75	19.75	21.30
	36	HIGH	64QAM	20.16	20.41	19.72	21.30
		LOW	64QAM	19.25	19.71	19.31	20.30
		MID	64QAM	19.46	19.46	19.48	20.30
75	HIGH	64QAM	19.33	19.58	19.27	20.30	
LOW	64QAM	19.38	19.59	19.23	20.30		
Bandwidth	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.31	22.60	22.54	23.30
		MID	QPSK	22.52	22.48	22.69	23.30
		HIGH	QPSK	22.15	22.59	22.14	23.30
	50	LOW	QPSK	21.41	21.33	21.38	22.30
		MID	QPSK	21.39	21.60	21.63	22.30
		HIGH	QPSK	21.40	21.54	21.31	22.30
100	LOW	QPSK	21.40	21.59	21.35	22.30	
20	1	LOW	Q16	21.70	21.76	21.56	22.30
		MID	Q16	21.71	21.57	20.86	22.30
		HIGH	Q16	20.93	21.23	20.91	22.30
	50	LOW	Q16	20.49	20.67	20.45	21.30
		MID	Q16	20.52	20.63	20.42	21.30
		HIGH	Q16	20.33	20.55	20.21	21.30
100	LOW	Q16	20.44	20.50	20.46	21.30	
20	1	LOW	64QAM	20.56	20.61	20.51	21.30
		MID	64QAM	20.63	20.70	19.88	21.30
		HIGH	64QAM	20.06	20.30	19.83	21.30
	50	LOW	64QAM	19.38	19.64	19.38	20.30
		MID	64QAM	19.46	19.54	19.52	20.30
		HIGH	64QAM	19.36	19.68	19.29	20.30
100	LOW	64QAM	19.59	19.45	19.38	20.30	

## 8.3.1 LTE Band2 Output Power

LTE B2-State3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.50	20.83	20.50	21.30	
		MID	QPSK	20.71	20.71	20.99	21.30	
		HIGH	QPSK	20.30	20.89	20.39	21.30	
	3	LOW	QPSK	20.61	20.83	20.67	21.30	
		MID	QPSK	20.60	20.38	20.61	21.30	
		HIGH	QPSK	20.57	20.59	20.30	21.30	
6	LOW	QPSK	20.68	20.65	20.53	21.30		
1.4	1	LOW	Q16	20.60	20.64	20.58	21.30	
		MID	Q16	20.72	20.71	21.02	21.30	
		HIGH	Q16	20.41	20.85	20.39	21.30	
	3	LOW	Q16	20.78	20.65	20.61	21.30	
		MID	Q16	20.72	20.55	20.81	21.30	
		HIGH	Q16	20.52	20.71	20.45	21.30	
	6	LOW	Q16	20.44	20.69	20.50	21.30	
	1.4	1	LOW	64QAM	20.46	20.37	20.96	21.30
			MID	64QAM	20.91	20.48	20.26	21.30
HIGH			64QAM	19.62	19.68	19.88	21.30	
3		LOW	64QAM	20.47	20.50	20.86	21.30	
		MID	64QAM	21.03	20.52	20.26	21.30	
		HIGH	64QAM	19.83	19.72	20.14	21.30	
6	LOW	64QAM	19.46	19.49	19.42	20.30		
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)	
3	1	LOW	QPSK	20.58	20.73	20.43	21.30	
		MID	QPSK	20.59	20.61	20.86	21.30	
		HIGH	QPSK	20.30	20.97	20.39	21.30	
	8	LOW	QPSK	20.62	20.67	20.66	21.30	
		MID	QPSK	20.75	20.47	20.71	21.30	
		HIGH	QPSK	20.53	20.81	20.32	21.30	
15	LOW	QPSK	20.52	20.61	20.51	21.30		
3	1	LOW	Q16	20.70	20.39	20.69	21.30	
		MID	Q16	20.64	20.83	20.44	21.30	
		HIGH	Q16	20.02	19.90	19.98	21.30	
	8	LOW	Q16	20.80	20.75	20.53	21.30	
		MID	Q16	20.76	20.79	20.69	21.30	
		HIGH	Q16	20.38	20.68	20.41	21.30	
	15	LOW	Q16	20.67	20.50	20.47	21.30	
	3	1	LOW	64QAM	20.39	20.30	20.96	21.30
			MID	64QAM	20.77	20.51	20.47	21.30
HIGH			64QAM	19.76	19.56	19.99	21.30	
8		LOW	64QAM	19.72	19.97	19.80	20.30	
		MID	64QAM	19.92	19.58	19.54	20.30	
		HIGH	64QAM	19.26	19.74	19.28	20.30	
15	LOW	64QAM	19.46	19.49	19.44	20.30		
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	20.73	20.86	20.61	21.30	
		MID	QPSK	20.79	20.59	20.93	21.30	
		HIGH	QPSK	20.25	20.83	20.35	21.30	
	12	LOW	QPSK	20.57	20.67	20.48	21.30	
		MID	QPSK	20.53	20.38	20.73	21.30	
		HIGH	QPSK	20.54	20.61	20.42	21.30	
25	LOW	QPSK	20.65	20.59	20.47	21.30		
5	1	LOW	Q16	20.75	20.42	20.74	21.30	
		MID	Q16	20.72	20.76	20.35	21.30	
		HIGH	Q16	19.85	19.96	20.18	21.30	
	12	LOW	Q16	20.72	20.91	20.62	21.30	
		MID	Q16	20.71	20.54	20.45	21.30	
		HIGH	Q16	20.46	20.62	20.28	21.30	
	25	LOW	Q16	20.60	20.63	20.40	21.30	
	5	1	LOW	64QAM	20.61	20.28	20.77	21.30
			MID	64QAM	20.91	20.55	20.34	21.30
HIGH			64QAM	19.86	19.80	20.02	21.30	
12		LOW	64QAM	19.75	19.84	19.65	20.30	
		MID	64QAM	19.83	19.48	19.47	20.30	
		HIGH	64QAM	19.41	19.75	19.42	20.30	
25	LOW	64QAM	19.69	19.63	19.51	20.30		

LTE B2-State3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	20.77	20.65	20.62	21.30	
		MID	QPSK	20.71	20.73	20.91	21.30	
		HIGH	QPSK	20.33	20.98	20.43	21.30	
	25	LOW	QPSK	20.75	20.61	20.57	21.30	
		MID	QPSK	20.69	20.58	20.87	21.30	
		HIGH	QPSK	20.56	20.69	20.56	21.30	
	50	LOW	QPSK	20.50	20.71	20.51	21.30	
	10	1	LOW	Q16	20.65	20.23	20.81	21.30
			MID	Q16	20.70	20.75	20.29	21.30
HIGH			Q16	19.89	19.75	20.25	21.30	
25		LOW	Q16	20.56	20.71	20.66	21.30	
		MID	Q16	20.80	20.66	20.51	21.30	
		HIGH	Q16	20.37	20.72	20.39	21.30	
50		LOW	Q16	20.59	20.54	20.62	21.30	
10		1	LOW	64QAM	20.52	20.52	21.03	21.30
			MID	64QAM	20.86	20.52	20.52	21.30
	HIGH		64QAM	19.82	19.81	20.03	21.30	
	25	LOW	64QAM	19.66	19.67	19.56	20.30	
		MID	64QAM	19.85	19.46	19.37	20.30	
		HIGH	64QAM	19.26	19.73	19.43	20.30	
	50	LOW	64QAM	19.72	19.50	19.29	20.30	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	20.74	20.61	20.57	21.30
MID			QPSK	20.76	20.69	20.86	21.30	
HIGH			QPSK	20.52	20.97	20.35	21.30	
36		LOW	QPSK	20.63	20.58	20.64	21.30	
		MID	QPSK	20.72	20.51	20.64	21.30	
		HIGH	QPSK	20.57	20.59	20.31	21.30	
75		LOW	QPSK	20.44	20.78	20.54	21.30	
15		1	LOW	Q16	20.67	20.29	20.81	21.30
			MID	Q16	20.83	20.82	20.30	21.30
	HIGH		Q16	19.99	19.94	20.15	21.30	
	36	LOW	Q16	20.81	20.78	20.61	21.30	
		MID	Q16	20.62	20.69	20.67	21.30	
		HIGH	Q16	20.32	20.54	20.28	21.30	
	75	LOW	Q16	20.52	20.74	20.62	21.30	
	15	1	LOW	64QAM	20.47	20.46	20.94	21.30
			MID	64QAM	20.77	20.59	20.40	21.30
HIGH			64QAM	19.78	19.72	19.97	21.30	
36		LOW	64QAM	19.75	19.83	19.55	20.30	
		MID	64QAM	19.68	19.39	19.53	20.30	
		HIGH	64QAM	19.26	19.85	19.35	20.30	
75		LOW	64QAM	19.60	19.62	19.34	20.30	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	20.63	20.71	20.52	21.30
	MID		QPSK	20.72	20.63	21.01	21.30	
	HIGH		QPSK	20.38	20.87	20.29	21.30	
	50	LOW	QPSK	20.68	20.72	20.58	21.30	
		MID	QPSK	20.65	20.53	20.72	21.30	
		HIGH	QPSK	20.46	20.66	20.43	21.30	
	100	LOW	QPSK	20.55	20.70	20.48	21.30	
	20	1	LOW	Q16	20.65	20.37	20.75	21.30
			MID	Q16	20.79	20.73	20.32	21.30
HIGH			Q16	19.89	19.81	20.11	21.30	
50		LOW	Q16	20.68	20.80	20.58	21.30	
		MID	Q16	20.65	20.67	20.54	21.30	
		HIGH	Q16	20.46	20.68	20.35	21.30	
100		LOW	Q16	20.57	20.63	20.49	21.30	
20		1	LOW	64QAM	20.50	20.43	20.88	21.30
			MID	64QAM	20.92	20.60	20.40	21.30
	HIGH		64QAM	19.77	19.68	20.02	21.30	
	50	LOW	64QAM	19.62	19.82	19.65	20.30	
		MID	64QAM	19.79	19.54	19.51	20.30	
		HIGH	64QAM	19.40	19.70	19.32	20.30	
	100	LOW	64QAM	19.59	19.56	19.37	20.30	



## 8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.18	22.26	22.21	23.30	
		MID	QPSK	22.40	22.17	22.63	23.30	
		HIGH	QPSK	22.32	22.30	22.24	23.30	
	3	LOW	QPSK	22.37	22.20	22.28	23.30	
		MID	QPSK	22.40	22.43	22.24	23.30	
		HIGH	QPSK	22.27	22.38	22.27	23.30	
	6	LOW	QPSK	21.26	21.32	21.25	22.30	
	1.4	1	LOW	Q16	21.34	21.45	21.08	22.30
			MID	Q16	21.25	21.32	21.24	22.30
HIGH			Q16	21.37	21.38	21.19	22.30	
3		LOW	Q16	21.38	20.90	21.43	22.30	
		MID	Q16	21.45	20.76	21.68	22.30	
		HIGH	Q16	21.40	20.80	21.52	22.30	
6		LOW	Q16	20.28	20.07	20.35	21.30	
1.4		1	LOW	64QAM	20.70	20.62	21.06	21.30
			MID	64QAM	21.04	20.84	20.09	21.30
	HIGH		64QAM	20.40	20.36	20.47	21.30	
	3	LOW	64QAM	20.95	20.46	21.13	21.30	
		MID	64QAM	21.29	21.07	19.95	21.30	
		HIGH	64QAM	20.53	20.30	20.66	21.30	
	6	LOW	64QAM	19.94	19.89	19.98	20.30	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	22.67	22.92	22.94	23.30
MID			QPSK	22.61	23.02	22.84	23.30	
HIGH			QPSK	22.56	22.76	22.37	23.30	
8		LOW	QPSK	21.79	21.92	21.81	22.30	
		MID	QPSK	21.54	21.90	21.85	22.30	
		HIGH	QPSK	21.63	21.74	21.77	22.30	
15		LOW	QPSK	21.57	21.72	21.76	22.30	
3		1	LOW	Q16	21.94	21.53	22.12	22.30
			MID	Q16	21.92	21.82	21.12	22.30
	HIGH		Q16	21.38	21.31	21.40	22.30	
	8	LOW	Q16	20.88	21.04	20.84	21.30	
		MID	Q16	20.91	20.62	20.84	21.30	
		HIGH	Q16	20.64	20.77	20.70	21.30	
	15	LOW	Q16	20.72	21.02	20.74	21.30	
	3	1	LOW	64QAM	20.93	20.36	20.89	21.30
			MID	64QAM	21.21	21.05	20.01	21.30
HIGH			64QAM	20.45	20.36	20.50	21.30	
8		LOW	64QAM	19.71	20.01	19.78	20.30	
		MID	64QAM	19.69	19.51	19.67	20.30	
		HIGH	64QAM	19.51	19.79	19.64	20.30	
15		LOW	64QAM	19.75	19.95	19.89	20.30	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	22.77	22.94	22.75	23.30
	MID		QPSK	22.54	22.99	22.78	23.30	
	HIGH		QPSK	22.72	22.72	22.55	23.30	
	12	LOW	QPSK	21.71	21.79	21.92	22.30	
		MID	QPSK	21.56	21.72	21.73	22.30	
		HIGH	QPSK	21.76	21.72	21.61	22.30	
	25	LOW	QPSK	21.78	21.78	21.95	22.30	
	5	1	LOW	Q16	21.97	21.62	22.13	22.30
			MID	Q16	22.02	21.97	21.10	22.30
HIGH			Q16	21.17	21.47	21.38	22.30	
12		LOW	Q16	20.59	21.05	20.74	21.30	
		MID	Q16	20.89	20.78	20.92	21.30	
		HIGH	Q16	20.61	21.01	20.78	21.30	
25		LOW	Q16	20.80	20.75	20.62	21.30	
5		1	LOW	64QAM	20.86	20.57	21.04	21.30
			MID	64QAM	21.12	20.84	20.17	21.30
	HIGH		64QAM	20.37	20.32	20.46	21.30	
	12	LOW	64QAM	19.74	19.74	19.81	20.30	
		MID	64QAM	19.68	19.75	19.83	20.30	
		HIGH	64QAM	19.65	20.02	19.65	20.30	
	25	LOW	64QAM	19.84	19.92	19.74	20.30	

LTE B4-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	22.80	23.00	22.88	23.30	
		MID	QPSK	22.54	23.16	22.85	23.30	
		HIGH	QPSK	22.55	22.54	22.37	23.30	
	25	LOW	QPSK	21.87	21.94	21.70	22.30	
		MID	QPSK	21.68	21.69	21.84	22.30	
		HIGH	QPSK	21.78	21.76	21.65	22.30	
	50	LOW	QPSK	21.54	21.85	21.87	22.30	
	10	1	LOW	Q16	21.74	21.45	22.10	22.30
			MID	Q16	22.15	21.87	21.08	22.30
HIGH			Q16	21.22	21.46	21.50	22.30	
25		LOW	Q16	20.85	21.00	20.74	21.30	
		MID	Q16	20.95	20.84	20.84	21.30	
		HIGH	Q16	20.79	20.78	20.79	21.30	
50		LOW	Q16	20.67	20.95	20.74	21.30	
10		1	LOW	64QAM	20.93	20.66	20.93	21.30
			MID	64QAM	21.19	20.97	20.03	21.30
	HIGH		64QAM	20.32	20.32	20.63	21.30	
	25	LOW	64QAM	19.88	19.73	19.83	20.30	
		MID	64QAM	19.82	19.77	19.76	20.30	
		HIGH	64QAM	19.77	19.93	19.71	20.30	
	50	LOW	64QAM	19.88	19.87	19.86	20.30	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	22.64	22.97	22.99	23.30
MID			QPSK	22.71	22.91	22.73	23.30	
HIGH			QPSK	22.74	22.61	22.62	23.30	
36		LOW	QPSK	21.86	21.91	21.73	22.30	
		MID	QPSK	21.78	21.75	21.56	22.30	
		HIGH	QPSK	21.74	21.71	21.53	22.30	
75		LOW	QPSK	21.58	21.79	21.86	22.30	
15		1	LOW	Q16	21.71	21.46	21.87	22.30
			MID	Q16	22.11	21.93	21.00	22.30
	HIGH		Q16	21.20	21.41	21.60	22.30	
	36	LOW	Q16	20.89	21.10	20.85	21.30	
		MID	Q16	21.03	20.67	20.93	21.30	
		HIGH	Q16	20.65	20.93	20.74	21.30	
	75	LOW	Q16	20.61	21.01	20.70	21.30	
	15	1	LOW	64QAM	20.73	20.38	21.09	21.30
			MID	64QAM	21.25	20.93	20.14	21.30
HIGH			64QAM	20.40	20.36	20.65	21.30	
36		LOW	64QAM	19.66	19.97	19.76	20.30	
		MID	64QAM	19.79	19.60	19.63	20.30	
		HIGH	64QAM	19.65	19.93	19.75	20.30	
75		LOW	64QAM	19.87	19.74	19.79	20.30	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	22.66	22.88	22.89	23.30
	MID		QPSK	22.58	23.03	22.81	23.30	
	HIGH		QPSK	22.61	22.67	22.52	23.30	
	50	LOW	QPSK	21.75	21.85	21.82	22.30	
		MID	QPSK	21.69	21.81	21.70	22.30	
		HIGH	QPSK	21.75	21.75	21.66	22.30	
	100	LOW	QPSK	21.63	21.76	21.81	22.30	
	20	1	LOW	Q16	21.86	21.58	22.01	22.30
			MID	Q16	22.06	21.88	21.14	22.30
HIGH			Q16	21.30	21.42	21.45	22.30	
50		LOW	Q16	20.74	20.99	20.81	21.30	
		MID	Q16	20.89	20.75	20.79	21.30	
		HIGH	Q16	20.75	20.88	20.65	21.30	
100		LOW	Q16	20.76	20.90	20.73	21.30	
20		1	LOW	64QAM	20.82	20.51	20.99	21.30
			MID	64QAM	21.18	20.95	20.06	21.30
	HIGH		64QAM	20.40	20.33	20.51	21.30	
	50	LOW	64QAM	19.81	19.86	19.80	20.30	
		MID	64QAM	19.83	19.65	19.78	20.30	
		HIGH	64QAM	19.62	19.91	19.75	20.30	
	100	LOW	64QAM	19.88	19.88	19.85	20.30	

## 8.3.2 LTE Band4 Output Power

LTE B4- Power -State1&State2&State3								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.66	19.49	19.30	20.30	
		MID	QPSK	19.54	19.62	19.26	20.30	
		HIGH	QPSK	19.52	19.46	19.36	20.30	
	3	LOW	QPSK	19.47	19.42	19.20	20.30	
		MID	QPSK	19.51	19.49	19.36	20.30	
		HIGH	QPSK	19.55	19.55	19.33	20.30	
	6	LOW	QPSK	19.52	19.44	19.48	20.30	
	1.4	1	LOW	Q16	19.57	19.51	19.42	20.30
			MID	Q16	19.49	19.69	19.49	20.30
HIGH			Q16	19.55	19.51	19.46	20.30	
3		LOW	Q16	19.20	19.23	19.57	20.30	
		MID	Q16	19.21	19.18	19.79	20.30	
		HIGH	Q16	19.32	18.90	20.02	20.30	
6		LOW	Q16	19.50	19.13	19.84	20.30	
1.4		1	LOW	64QAM	20.22	20.10	20.11	20.30
			MID	64QAM	20.28	20.07	20.21	20.30
	HIGH		64QAM	19.92	19.85	19.80	20.30	
	3	LOW	64QAM	20.29	20.05	20.01	20.30	
		MID	64QAM	20.26	20.15	20.15	20.30	
		HIGH	64QAM	19.93	19.30	19.71	20.30	
	6	LOW	64QAM	20.03	20.12	20.05	20.30	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	20.07	20.26	20.19	20.30
MID			QPSK	20.24	20.12	20.07	20.30	
HIGH			QPSK	20.20	20.13	20.24	20.30	
8		LOW	QPSK	20.16	20.19	20.12	20.30	
		MID	QPSK	20.18	20.21	20.25	20.30	
		HIGH	QPSK	20.06	20.10	20.06	20.30	
15		LOW	QPSK	20.06	20.16	20.12	20.30	
3		1	LOW	Q16	20.15	20.15	20.11	20.30
			MID	Q16	20.20	20.27	20.00	20.30
	HIGH		Q16	19.85	19.40	20.00	20.30	
	8	LOW	Q16	20.30	20.06	20.18	20.30	
		MID	Q16	20.18	20.01	20.26	20.30	
		HIGH	Q16	20.10	20.30	20.20	20.30	
	15	LOW	Q16	20.20	20.09	20.19	20.30	
	3	1	LOW	64QAM	20.13	20.10	20.06	20.30
			MID	64QAM	20.18	20.11	20.19	20.30
HIGH			64QAM	19.87	19.82	19.67	20.30	
8		LOW	64QAM	20.08	19.99	20.19	20.30	
		MID	64QAM	19.99	20.06	20.18	20.30	
		HIGH	64QAM	19.93	19.97	19.99	20.30	
15		LOW	64QAM	20.04	20.22	20.19	20.30	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	20.18	20.24	20.14	20.30
	MID		QPSK	20.30	20.11	20.08	20.30	
	HIGH		QPSK	20.09	20.14	20.12	20.30	
	12	LOW	QPSK	20.21	20.15	20.15	20.30	
		MID	QPSK	20.20	20.26	20.21	20.30	
		HIGH	QPSK	20.13	20.19	20.15	20.30	
	25	LOW	QPSK	20.19	20.16	20.09	20.30	
	5	1	LOW	Q16	20.29	20.27	20.23	20.30
			MID	Q16	20.08	20.09	19.89	20.30
HIGH			Q16	19.84	19.88	19.81	20.30	
12		LOW	Q16	20.18	20.14	20.19	20.30	
		MID	Q16	20.19	20.07	20.17	20.30	
		HIGH	Q16	20.18	20.12	20.19	20.30	
25		LOW	Q16	20.28	20.09	20.19	20.30	
5		1	LOW	64QAM	20.21	20.15	20.10	20.30
			MID	64QAM	20.18	20.20	20.11	20.30
	HIGH		64QAM	19.71	19.63	19.87	20.30	
	12	LOW	64QAM	20.11	20.18	20.01	20.30	
		MID	64QAM	20.25	20.23	20.16	20.30	
		HIGH	64QAM	19.99	20.02	20.15	20.30	
	25	LOW	64QAM	20.01	20.07	20.12	20.30	

LTE B4- Power -State1&State2&State3								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	20.18	20.25	20.21	20.30	
		MID	QPSK	20.28	20.19	20.12	20.30	
		HIGH	QPSK	20.03	20.14	20.18	20.30	
	25	LOW	QPSK	20.15	20.26	20.18	20.30	
		MID	QPSK	20.13	20.10	20.14	20.30	
		HIGH	QPSK	20.09	20.27	20.23	20.30	
	50	LOW	QPSK	20.15	20.14	20.27	20.30	
	10	1	LOW	Q16	20.24	20.19	20.16	20.30
			MID	Q16	20.28	20.27	19.98	20.30
HIGH			Q16	19.87	19.61	19.92	20.30	
25		LOW	Q16	20.27	20.27	20.19	20.30	
		MID	Q16	20.13	20.27	20.22	20.30	
		HIGH	Q16	20.07	20.23	20.03	20.30	
50		LOW	Q16	20.25	20.09	20.21	20.30	
10		1	LOW	64QAM	20.15	20.24	20.07	20.30
			MID	64QAM	20.24	20.17	20.18	20.30
	HIGH		64QAM	19.77	19.50	19.88	20.30	
	25	LOW	64QAM	20.13	20.07	20.10	20.30	
		MID	64QAM	20.22	20.13	20.12	20.30	
		HIGH	64QAM	19.83	20.08	20.08	20.30	
	50	LOW	64QAM	19.96	20.02	20.11	20.30	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	20.09	20.24	20.12	20.30
MID			QPSK	20.12	20.23	20.04	20.30	
HIGH			QPSK	20.06	20.13	20.10	20.30	
36		LOW	QPSK	20.29	20.28	20.30	20.30	
		MID	QPSK	20.25	20.22	20.14	20.30	
		HIGH	QPSK	20.06	20.13	20.19	20.30	
75		LOW	QPSK	20.06	20.21	20.30	20.30	
15		1	LOW	Q16	20.21	20.10	20.22	20.30
			MID	Q16	20.22	20.29	19.89	20.30
	HIGH		Q16	20.01	20.21	20.03	20.30	
	36	LOW	Q16	20.29	20.23	20.13	20.30	
		MID	Q16	20.19	20.19	20.27	20.30	
		HIGH	Q16	20.19	20.24	19.96	20.30	
	75	LOW	Q16	20.03	20.04	20.27	20.30	
	15	1	LOW	64QAM	20.15	20.16	19.92	20.30
			MID	64QAM	20.28	20.21	20.20	20.30
HIGH			64QAM	19.72	19.79	19.72	20.30	
36		LOW	64QAM	20.12	20.09	20.02	20.30	
		MID	64QAM	20.23	20.23	20.30	20.30	
		HIGH	64QAM	20.06	20.00	19.95	20.30	
75		LOW	64QAM	20.01	20.11	20.04	20.30	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	20.20	20.29	20.25	20.30
	MID		QPSK	20.19	20.30	20.02	20.30	
	HIGH		QPSK	20.18	20.29	20.17	20.30	
	50	LOW	QPSK	20.21	20.25	20.25	20.30	
		MID	QPSK	20.29	20.24	20.30	20.30	
		HIGH	QPSK	20.19	20.21	20.19	20.30	
	100	LOW	QPSK	20.21	20.25	20.19	20.30	
	20	1	LOW	Q16	20.29	20.23	20.16	20.30
			MID	Q16	20.18	20.22	20.03	20.30
HIGH			Q16	19.89	19.85	19.89	20.30	
50		LOW	Q16	20.30	20.21	20.23	20.30	
		MID	Q16	20.26	20.16	20.28	20.30	
		HIGH	Q16	20.13	20.27	20.10	20.30	
100		LOW	Q16	20.16	20.18	20.25	20.30	
20		1	LOW	64QAM	20.25	20.12	20.01	20.30
			MID	64QAM	20.21	20.19	20.18	20.30
	HIGH		64QAM	19.79	19.85	19.74	20.30	
	50	LOW	64QAM	20.19	20.11	20.13	20.30	
		MID	64QAM	20.11	20.10	20.20	20.30	
		HIGH	64QAM	19.98	20.12	20.01	20.30	
	100	LOW	64QAM	20.03	20.21	20.15	20.30	

## 8.3.2 LTE Band4 Output Power

LTE B4 Power -State4								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	18.65	18.74	18.33	18.80	
		MID	QPSK	18.69	18.53	18.75	18.80	
		HIGH	QPSK	18.27	17.79	18.41	18.80	
	3	LOW	QPSK	18.75	18.46	18.46	18.80	
		MID	QPSK	18.74	18.68	18.55	18.80	
		HIGH	QPSK	18.11	17.65	18.48	18.80	
	6	LOW	QPSK	18.53	18.56	18.77	18.80	
	1.4	1	LOW	Q16	18.50	18.64	18.66	18.80
			MID	Q16	18.64	18.59	18.65	18.80
HIGH			Q16	18.08	17.98	18.57	18.80	
3		LOW	Q16	18.53	18.64	18.62	18.80	
		MID	Q16	18.71	18.62	18.71	18.80	
		HIGH	Q16	18.28	17.88	18.52	18.80	
6		LOW	Q16	18.62	18.77	18.31	18.80	
1.4		1	LOW	64QAM	18.58	18.73	18.32	18.80
			MID	64QAM	18.62	18.50	18.72	18.80
	HIGH		64QAM	18.26	17.65	18.45	18.80	
	3	LOW	64QAM	18.51	18.70	18.49	18.80	
		MID	64QAM	18.66	18.68	18.70	18.80	
		HIGH	64QAM	18.17	17.78	18.39	18.80	
	6	LOW	64QAM	18.71	18.52	18.55	18.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	18.51	18.80	18.45	18.80
MID			QPSK	18.41	18.69	18.57	18.80	
HIGH			QPSK	18.62	18.71	18.61	18.80	
8		LOW	QPSK	18.80	18.62	18.71	18.80	
		MID	QPSK	18.66	18.64	18.62	18.80	
		HIGH	QPSK	18.65	18.77	18.65	18.80	
15		LOW	QPSK	18.65	18.77	18.73	18.80	
3		1	LOW	Q16	18.77	18.72	18.62	18.80
			MID	Q16	18.69	18.66	18.58	18.80
	HIGH		Q16	18.06	17.99	18.36	18.80	
	8	LOW	Q16	18.37	18.74	18.45	18.80	
		MID	Q16	18.75	18.66	18.61	18.80	
		HIGH	Q16	18.79	18.65	18.36	18.80	
	15	LOW	Q16	18.74	18.73	18.66	18.80	
	3	1	LOW	64QAM	18.65	18.46	18.32	18.80
			MID	64QAM	18.56	18.43	18.62	18.80
HIGH			64QAM	18.28	17.76	18.46	18.80	
8		LOW	64QAM	18.18	18.76	18.62	18.80	
		MID	64QAM	18.75	18.20	18.74	18.80	
		HIGH	64QAM	18.50	18.77	18.43	18.80	
15		LOW	64QAM	18.66	18.71	18.61	18.80	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	18.64	18.69	18.66	18.80
	MID		QPSK	18.48	18.77	18.50	18.80	
	HIGH		QPSK	18.64	18.76	18.72	18.80	
	12	LOW	QPSK	18.74	18.79	18.72	18.80	
		MID	QPSK	18.63	18.71	18.53	18.80	
		HIGH	QPSK	18.54	18.60	18.65	18.80	
	25	LOW	QPSK	18.63	18.71	18.78	18.80	
	5	1	LOW	Q16	18.67	18.65	18.69	18.80
			MID	Q16	18.73	18.71	18.70	18.80
HIGH			Q16	18.32	17.97	18.54	18.80	
12		LOW	Q16	18.44	18.79	18.72	18.80	
		MID	Q16	18.65	18.68	18.76	18.80	
		HIGH	Q16	18.75	18.70	18.44	18.80	
25		LOW	Q16	18.72	18.67	18.67	18.80	
5		1	LOW	64QAM	18.76	18.71	18.45	18.80
			MID	64QAM	18.69	18.54	18.71	18.80
	HIGH		64QAM	18.39	17.72	18.36	18.80	
	12	LOW	64QAM	18.32	18.61	18.46	18.80	
		MID	64QAM	18.71	18.34	18.61	18.80	
		HIGH	64QAM	18.68	18.69	18.39	18.80	
	25	LOW	64QAM	18.68	18.54	18.72	18.80	

LTE B4 Power -State4								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	18.71	18.75	18.62	18.80	
		MID	QPSK	18.62	18.71	18.33	18.80	
		HIGH	QPSK	18.50	18.60	18.60	18.80	
	25	LOW	QPSK	18.68	18.71	18.68	18.80	
		MID	QPSK	18.72	18.62	18.79	18.80	
		HIGH	QPSK	18.70	18.78	18.77	18.80	
	50	LOW	QPSK	18.70	18.71	18.69	18.80	
	10	1	LOW	Q16	18.75	18.65	18.45	18.80
			MID	Q16	18.51	18.56	18.72	18.80
HIGH			Q16	18.18	17.89	18.26	18.80	
25		LOW	Q16	18.48	18.72	18.61	18.80	
		MID	Q16	18.75	18.75	18.56	18.80	
		HIGH	Q16	18.75	18.54	18.36	18.80	
50		LOW	Q16	18.68	18.74	18.64	18.80	
10		1	LOW	64QAM	18.54	18.74	18.34	18.80
			MID	64QAM	18.49	18.43	18.73	18.80
	HIGH		64QAM	18.24	17.93	18.32	18.80	
	25	LOW	64QAM	18.27	18.80	18.52	18.80	
		MID	64QAM	18.56	18.33	18.75	18.80	
		HIGH	64QAM	18.60	18.69	18.22	18.80	
	50	LOW	64QAM	18.58	18.69	18.48	18.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	18.67	18.73	18.63	18.80
MID			QPSK	18.58	18.76	18.52	18.80	
HIGH			QPSK	18.70	18.62	18.56	18.80	
36		LOW	QPSK	18.69	18.78	18.61	18.80	
		MID	QPSK	18.70	18.69	18.76	18.80	
		HIGH	QPSK	18.79	18.77	18.78	18.80	
75		LOW	QPSK	18.62	18.71	18.79	18.80	
15		1	LOW	Q16	18.77	18.69	18.47	18.80
			MID	Q16	18.68	18.64	18.71	18.80
	HIGH		Q16	18.17	17.75	18.54	18.80	
	36	LOW	Q16	18.38	18.61	18.61	18.80	
		MID	Q16	18.66	18.58	18.61	18.80	
		HIGH	Q16	18.53	18.49	18.56	18.80	
	75	LOW	Q16	18.77	18.68	18.61	18.80	
	15	1	LOW	64QAM	18.80	18.71	18.42	18.80
			MID	64QAM	18.72	18.53	18.61	18.80
HIGH			64QAM	18.34	17.79	18.30	18.80	
36		LOW	64QAM	18.18	18.71	18.69	18.80	
		MID	64QAM	18.58	18.36	18.70	18.80	
		HIGH	64QAM	18.71	18.45	18.38	18.80	
75		LOW	64QAM	18.69	18.59	18.52	18.80	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	18.56	18.77	18.72	18.80
	MID		QPSK	18.47	18.72	18.42	18.80	
	HIGH		QPSK	18.57	18.77	18.59	18.80	
	50	LOW	QPSK	18.63	18.76	18.68	18.80	
		MID	QPSK	18.77	18.69	18.68	18.80	
		HIGH	QPSK	18.69	18.67	18.79	18.80	
	100	LOW	QPSK	18.77	18.76	18.74	18.80	
	20	1	LOW	Q16	18.79	18.74	18.55	18.80
			MID	Q16	18.65	18.63	18.71	18.80
HIGH			Q16	18.21	17.87	18.39	18.80	
50		LOW	Q16	18.38	18.70	18.58	18.80	
		MID	Q16	18.79	18.72	18.67	18.80	
		HIGH	Q16	18.65	18.69	18.49	18.80	
100		LOW	Q16	18.65	18.67	18.55	18.80	
20		1	LOW	64QAM	18.65	18.61	18.43	18.80
			MID	64QAM	18.64	18.53	18.61	18.80
	HIGH		64QAM	18.25	17.78	18.45	18.80	
	50	LOW	64QAM	18.29	18.66	18.54	18.80	
		MID	64QAM	18.66	18.29	18.69	18.80	
		HIGH	64QAM	18.60	18.70	18.34	18.80	
	100	LOW	64QAM	18.80	18.65	18.58	18.80	

## 8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.31	22.15	21.94	23.30
		MID	QPSK	22.50	22.13	22.39	23.30
		HIGH	QPSK	22.48	22.10	22.22	23.30
	3	LOW	QPSK	22.19	22.07	22.04	23.30
		MID	QPSK	22.24	22.12	22.29	23.30
		HIGH	QPSK	22.27	22.06	22.11	23.30
6	LOW	QPSK	21.05	21.18	21.28	22.30	
1.4	1	LOW	Q16	21.21	21.22	21.10	22.30
		MID	Q16	21.12	21.20	21.18	22.30
		HIGH	Q16	20.77	21.21	21.13	22.30
	3	LOW	Q16	20.84	20.98	20.87	22.30
		MID	Q16	20.83	20.90	20.95	22.30
		HIGH	Q16	20.88	20.96	20.87	22.30
6	LOW	Q16	19.77	19.97	20.19	21.30	
1.4	1	LOW	64QAM	19.93	20.37	20.26	21.30
		MID	64QAM	20.32	20.88	19.84	21.30
		HIGH	64QAM	19.86	20.17	19.87	21.30
	3	LOW	64QAM	20.01	20.28	20.38	21.30
		MID	64QAM	20.12	20.70	19.71	21.30
		HIGH	64QAM	19.66	20.15	19.72	21.30
6	LOW	64QAM	19.17	19.37	18.77	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	21.99	22.55	22.27	23.30
		MID	QPSK	22.02	22.57	22.13	23.30
		HIGH	QPSK	22.26	22.18	22.13	23.30
	8	LOW	QPSK	21.06	21.09	21.28	22.30
		MID	QPSK	21.23	21.33	21.23	22.30
	15	LOW	QPSK	20.94	21.30	20.89	22.30
3	1	LOW	Q16	21.13	21.29	21.01	22.30
		MID	Q16	20.96	21.39	21.44	22.30
		HIGH	Q16	21.18	21.48	20.93	22.30
	8	LOW	Q16	20.67	20.88	20.94	22.30
		MID	Q16	20.31	20.20	20.24	21.30
		HIGH	Q16	20.19	20.49	20.07	21.30
15	LOW	Q16	19.98	20.41	20.09	21.30	
3	1	LOW	Q16	20.07	20.20	20.00	21.30
		MID	Q16	20.07	20.20	20.00	21.30
		HIGH	Q16	20.07	20.20	20.00	21.30
	8	LOW	64QAM	20.07	20.48	20.27	21.30
		MID	64QAM	20.18	20.68	19.76	21.30
		HIGH	64QAM	19.82	20.14	19.81	21.30
15	LOW	64QAM	18.92	19.07	19.14	20.30	
	MID	64QAM	19.31	19.37	19.10	20.30	
	HIGH	64QAM	19.08	19.42	19.13	20.30	
15	LOW	64QAM	19.29	19.48	18.95	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.04	22.42	22.23	23.30
		MID	QPSK	21.90	22.33	22.19	23.30
		HIGH	QPSK	22.35	22.35	22.07	23.30
	12	LOW	QPSK	21.03	21.10	21.31	22.30
		MID	QPSK	21.27	21.04	21.06	22.30
		HIGH	QPSK	21.22	21.22	21.02	22.30
25	LOW	QPSK	21.10	21.23	21.10	22.30	
5	1	LOW	Q16	21.02	21.44	21.37	22.30
		MID	Q16	21.30	21.46	20.82	22.30
		HIGH	Q16	20.73	20.87	20.92	22.30
	12	LOW	Q16	20.05	20.05	20.00	21.30
		MID	Q16	20.23	20.30	19.99	21.30
		HIGH	Q16	20.09	20.20	19.92	21.30
25	LOW	Q16	20.10	20.39	19.98	21.30	
5	1	LOW	64QAM	20.09	20.28	20.30	21.30
		MID	64QAM	20.14	20.76	19.70	21.30
		HIGH	64QAM	19.66	19.93	19.81	21.30
	12	LOW	64QAM	19.14	18.92	19.36	20.30
		MID	64QAM	19.28	19.50	18.93	20.30
		HIGH	64QAM	19.15	19.38	19.05	20.30
25	LOW	64QAM	18.92	19.45	18.90	20.30	

LTE B4-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	21.80	22.53	22.04	23.30
		MID	QPSK	22.09	22.39	22.09	23.30
		HIGH	QPSK	22.34	22.18	22.25	23.30
	25	LOW	QPSK	20.99	21.13	21.32	22.30
		MID	QPSK	21.28	21.23	21.23	22.30
		HIGH	QPSK	21.07	21.07	21.05	22.30
50	LOW	QPSK	21.20	21.28	21.23	22.30	
10	1	LOW	Q16	21.16	21.38	21.56	22.30
		MID	Q16	21.18	21.69	20.87	22.30
		HIGH	Q16	20.94	20.96	20.79	22.30
	25	LOW	Q16	20.33	20.15	19.98	21.30
		MID	Q16	20.26	20.41	20.02	21.30
		HIGH	Q16	20.16	20.21	19.88	21.30
50	LOW	Q16	20.16	20.31	20.15	21.30	
10	1	LOW	64QAM	20.03	20.46	20.18	21.30
		MID	64QAM	20.26	20.61	19.85	21.30
		HIGH	64QAM	19.69	19.89	19.66	21.30
	25	LOW	64QAM	19.14	18.90	19.29	20.30
		MID	64QAM	19.42	19.50	18.88	20.30
		HIGH	64QAM	19.08	19.34	19.20	20.30
50	LOW	64QAM	19.19	19.43	18.76	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	21.84	22.47	22.08	23.30
		MID	QPSK	21.95	22.39	22.14	23.30
		HIGH	QPSK	22.40	22.15	22.18	23.30
	36	LOW	QPSK	21.11	21.07	21.16	22.30
		MID	QPSK	21.10	21.33	21.26	22.30
	75	HIGH	QPSK	21.08	21.15	20.91	22.30
15	1	LOW	Q16	21.07	21.52	21.56	22.30
		MID	Q16	21.24	21.62	20.78	22.30
		HIGH	Q16	20.73	20.83	21.04	22.30
	36	LOW	Q16	20.18	20.30	20.16	21.30
		MID	Q16	20.33	20.43	19.97	21.30
		HIGH	Q16	20.23	20.23	20.09	21.30
75	LOW	Q16	20.26	20.24	20.03	21.30	
15	1	LOW	64QAM	19.90	20.44	20.22	21.30
		MID	64QAM	20.36	20.72	19.89	21.30
		HIGH	64QAM	19.82	20.04	19.86	21.30
	36	LOW	64QAM	18.99	18.99	19.24	20.30
		MID	64QAM	19.37	19.51	19.02	20.30
		HIGH	64QAM	19.02	19.23	19.13	20.30
75	LOW	64QAM	19.14	19.32	18.89	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	21.94	22.41	22.17	23.30
		MID	QPSK	21.99	22.47	22.21	23.30
		HIGH	QPSK	22.29	22.27	22.11	23.30
	50	LOW	QPSK	21.07	21.18	21.26	22.30
		MID	QPSK	21.18	21.19	21.17	22.30
		HIGH	QPSK	21.07	21.19	20.99	22.30
100	LOW	QPSK	21.13	21.19	21.12	22.30	
20	1	LOW	Q16	21.08	21.49	21.43	22.30
		MID	Q16	21.31	21.60	20.92	22.30
		HIGH	Q16	20.81	20.94	20.89	22.30
	50	LOW	Q16	20.18	20.19	20.13	21.30
		MID	Q16	20.22	20.40	20.05	21.30
		HIGH	Q16	20.12	20.29	19.97	21.30
100	LOW	Q16	20.19	20.27	20.04	21.30	
20	1	LOW	64QAM	20.00	20.38	20.29	21.30
		MID	64QAM	20.26	20.75	19.77	21.30
		HIGH	64QAM	19.77	20.04	19.81	21.30
	50	LOW	64QAM	19.03	19.04	19.27	20.30
		MID	64QAM	19.28	19.51	18.99	20.30
		HIGH	64QAM	19.02	19.31	19.06	20.30
100	LOW	64QAM	19.21	19.33	18.91	20.30	



## 8.3.1 LTE Band4 Output Power

LTE B4-State1 -Ant.0							
Bandw	RB Size	RB offfset	Modulation	19957	20175	20393	Tune-up power(dB m)
1.4	1	LOW	QPSK	21.00	20.92	21.21	21.30
		MID	QPSK	21.19	21.30	21.25	21.30
		HIGH	QPSK	20.99	20.91	21.26	21.30
	3	LOW	QPSK	21.29	21.18	21.19	21.30
		MID	QPSK	21.26	21.23	21.18	21.30
		HIGH	QPSK	21.10	21.23	21.15	21.30
6	LOW	QPSK	21.29	21.20	21.09	21.30	
1.4	1	LOW	Q16	21.21	21.22	21.10	21.30
		MID	Q16	21.12	21.20	21.18	21.30
		HIGH	Q16	20.77	21.21	21.13	21.30
	3	LOW	Q16	20.84	20.98	20.87	21.30
		MID	Q16	20.83	20.90	20.95	21.30
		HIGH	Q16	20.88	20.96	20.87	21.30
6	LOW	Q16	19.77	19.97	20.19	21.30	
1.4	1	LOW	64QAM	20.96	21.28	21.21	21.30
		MID	64QAM	20.92	21.25	21.12	21.30
		HIGH	64QAM	20.69	21.01	20.92	21.30
	3	LOW	64QAM	21.15	21.24	21.29	21.30
		MID	64QAM	21.03	21.21	21.04	21.30
		HIGH	64QAM	20.84	20.93	20.86	21.30
6	LOW	64QAM	19.53	19.59	19.42	20.30	
Bandw	RB Size	RB offfset	Modulation	19965	20175	20385	Tune-up power(dB m)
3	1	LOW	QPSK	21.04	21.07	21.27	21.30
		MID	QPSK	21.22	21.19	21.26	21.30
		HIGH	QPSK	21.02	20.96	21.17	21.30
	8	LOW	QPSK	21.24	21.27	21.29	21.30
		MID	QPSK	21.19	21.20	21.23	21.30
		HIGH	QPSK	21.18	21.26	21.00	21.30
15	LOW	QPSK	21.14	21.28	21.11	21.30	
3	1	LOW	Q16	21.11	21.19	21.23	21.30
		MID	Q16	20.94	21.23	21.05	21.30
		HIGH	Q16	20.94	20.85	20.86	21.30
	8	LOW	Q16	20.46	20.79	20.86	21.30
		MID	Q16	20.63	20.91	20.69	21.30
		HIGH	Q16	20.65	20.57	20.65	21.30
15	LOW	Q16	20.66	20.83	20.57	21.30	
3	1	LOW	64QAM	21.12	21.30	21.30	21.30
		MID	64QAM	20.85	21.25	21.25	21.30
		HIGH	64QAM	20.64	20.78	21.02	21.30
	8	LOW	64QAM	19.59	19.76	20.09	20.30
		MID	64QAM	19.72	20.12	19.81	20.30
		HIGH	64QAM	19.67	19.79	19.33	20.30
15	LOW	64QAM	19.62	19.60	19.61	20.30	
Bandw	RB Size	RB offfset	Modulation	19975	20175	20375	Tune-up power(dB m)
5	1	LOW	QPSK	21.17	21.19	21.18	21.30
		MID	QPSK	21.18	21.28	21.12	21.30
		HIGH	QPSK	20.93	20.96	21.13	21.30
	12	LOW	QPSK	21.12	21.28	21.12	21.30
		MID	QPSK	21.15	21.04	21.26	21.30
		HIGH	QPSK	21.12	21.09	21.03	21.30
25	LOW	QPSK	21.24	21.25	21.21	21.30	
5	1	LOW	Q16	20.94	21.24	21.28	21.30
		MID	Q16	20.89	21.25	20.98	21.30
		HIGH	Q16	20.70	21.07	21.01	21.30
	12	LOW	Q16	20.48	20.74	21.09	21.30
		MID	Q16	20.51	20.96	20.70	21.30
		HIGH	Q16	20.67	20.62	20.71	21.30
25	LOW	Q16	20.60	20.69	20.52	21.30	
5	1	LOW	64QAM	20.96	21.26	21.11	21.30
		MID	64QAM	20.90	21.17	21.00	21.30
		HIGH	64QAM	20.77	20.95	20.87	21.30
	12	LOW	64QAM	19.36	19.85	20.03	20.30
		MID	64QAM	19.44	19.97	19.83	20.30
		HIGH	64QAM	19.65	19.62	19.42	20.30
25	LOW	64QAM	19.72	19.57	19.32	20.30	

LTE B4-State1 -Ant.0								
Bandw	RB Size	RB offtest	Modulation	20000	20175	20350	Tune-up power(dB m)	
10	1	LOW	QPSK	21.17	21.04	21.16	21.30	
		MID	QPSK	21.19	21.11	21.25	21.30	
		HIGH	QPSK	20.86	20.80	21.28	21.30	
	25	LOW	QPSK	21.20	21.27	21.26	21.30	
		MID	QPSK	21.08	21.30	21.22	21.30	
		HIGH	QPSK	21.08	21.07	20.95	21.30	
	50	LOW	QPSK	21.12	21.15	21.16	21.30	
	10	1	LOW	Q16	20.84	21.12	21.16	21.30
			MID	Q16	20.92	21.21	20.99	21.30
HIGH			Q16	20.75	20.86	20.87	21.30	
25		LOW	Q16	20.63	20.83	21.06	21.30	
		MID	Q16	20.65	21.07	20.80	21.30	
		HIGH	Q16	20.72	20.45	20.65	21.30	
50		LOW	Q16	20.73	20.71	20.69	21.30	
10		1	LOW	64QAM	20.92	21.15	21.18	21.30
			MID	64QAM	20.78	21.24	20.96	21.30
	HIGH		64QAM	20.59	20.96	21.02	21.30	
	25	LOW	64QAM	19.46	19.67	20.15	20.30	
		MID	64QAM	19.67	20.03	19.93	20.30	
		HIGH	64QAM	19.75	19.63	19.56	20.30	
	50	LOW	64QAM	19.64	19.64	19.48	20.30	
	Bandw	RB Size	RB offtest	Modulation	20025	20175	20325	Tune-up power(dB m)
	15	1	LOW	QPSK	21.18	20.96	21.27	21.30
MID			QPSK	21.12	21.12	21.29	21.30	
HIGH			QPSK	20.91	20.94	21.20	21.30	
36		LOW	QPSK	21.13	21.24	21.24	21.30	
		MID	QPSK	21.20	21.18	21.17	21.30	
		HIGH	QPSK	21.05	21.22	21.08	21.30	
75		LOW	QPSK	21.22	21.11	21.24	21.30	
15		1	LOW	Q16	20.98	21.20	21.25	21.30
			MID	Q16	20.85	21.28	21.12	21.30
	HIGH		Q16	20.66	21.07	20.86	21.30	
	36	LOW	Q16	20.57	20.91	21.06	21.30	
		MID	Q16	20.43	21.01	20.88	21.30	
		HIGH	Q16	20.54	20.37	20.50	21.30	
	75	LOW	Q16	20.80	20.82	20.46	21.30	
	15	1	LOW	64QAM	20.91	21.16	21.12	21.30
			MID	64QAM	20.93	21.20	21.10	21.30
HIGH			64QAM	20.78	20.77	21.04	21.30	
36		LOW	64QAM	19.54	19.71	20.01	20.30	
		MID	64QAM	19.60	20.02	19.90	20.30	
		HIGH	64QAM	19.91	19.77	19.36	20.30	
75		LOW	64QAM	19.72	19.56	19.46	20.30	
Bandw		RB Size	RB offtest	Modulation	20050	20175	20300	Tune-up power(dB m)
20		1	LOW	QPSK	21.06	21.05	21.28	21.30
	MID		QPSK	21.30	21.25	21.30	21.30	
	HIGH		QPSK	20.95	20.89	21.29	21.30	
	50	LOW	QPSK	21.27	21.24	21.21	21.30	
		MID	QPSK	21.13	21.16	21.18	21.30	
		HIGH	QPSK	21.20	21.16	21.02	21.30	
	100	LOW	QPSK	21.25	21.20	21.13	21.30	
	20	1	LOW	Q16	20.97	21.28	21.23	21.30
			MID	Q16	20.84	21.25	21.02	21.30
HIGH			Q16	20.81	20.99	20.97	21.30	
50		LOW	Q16	20.58	20.85	20.99	21.30	
		MID	Q16	20.57	20.93	20.82	21.30	
		HIGH	Q16	20.66	20.50	20.56	21.30	
100		LOW	Q16	20.71	20.73	20.58	21.30	
20		1	LOW	64QAM	21.06	21.28	21.13	21.30
			MID	64QAM	20.93	21.28	21.10	21.30
	HIGH		64QAM	20.69	20.91	20.91	21.30	
	50	LOW	64QAM	19.49	19.71	20.03	20.30	
		MID	64QAM	19.58	20.07	19.78	20.30	
		HIGH	64QAM	19.79	19.65	19.42	20.30	
	100	LOW	64QAM	19.58	19.69	19.46	20.30	

## 8.3.2 LTE Band4 Output Power

LTE B4-State2&State4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.31	22.15	21.94	23.30
		MID	QPSK	22.50	22.13	22.39	23.30
		HIGH	QPSK	22.48	22.10	22.22	23.30
	3	LOW	QPSK	22.19	22.07	22.04	23.30
		MID	QPSK	22.24	22.12	22.29	23.30
		HIGH	QPSK	22.27	22.06	22.11	23.30
6	LOW	QPSK	21.05	21.18	21.28	22.30	
1.4	1	LOW	Q16	21.21	21.22	21.10	22.30
		MID	Q16	21.12	21.20	21.18	22.30
		HIGH	Q16	20.77	21.21	21.13	22.30
	3	LOW	Q16	20.84	20.98	20.87	22.30
		MID	Q16	20.83	20.90	20.95	22.30
		HIGH	Q16	20.88	20.96	20.87	22.30
6	LOW	Q16	19.77	19.97	20.19	21.30	
1.4	1	LOW	64QAM	20.04	20.51	20.36	21.30
		MID	64QAM	20.23	20.53	20.01	21.30
		HIGH	64QAM	19.81	19.84	20.02	21.30
	3	LOW	64QAM	20.10	20.61	20.34	21.30
		MID	64QAM	20.14	20.70	20.02	21.30
		HIGH	64QAM	19.66	19.77	19.97	21.30
6	LOW	64QAM	19.11	19.16	18.91	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	21.81	22.34	22.26	23.30
		MID	QPSK	22.13	22.50	22.18	23.30
		HIGH	QPSK	22.19	22.25	22.12	23.30
	8	LOW	QPSK	20.94	21.31	21.26	22.30
		MID	QPSK	21.20	21.05	21.21	22.30
	15	LOW	QPSK	20.99	21.19	21.03	22.30
3	1	LOW	Q16	21.06	21.20	21.07	22.30
		MID	Q16	20.97	21.63	21.39	22.30
		HIGH	Q16	21.18	21.69	20.99	22.30
	8	LOW	Q16	20.93	21.03	21.00	22.30
		MID	Q16	20.13	20.33	20.17	21.30
		HIGH	Q16	20.07	20.39	20.19	21.30
15	LOW	Q16	20.08	20.25	19.94	21.30	
3	1	LOW	Q16	20.11	20.41	20.02	21.30
		MID	Q16	20.01	20.74	20.41	21.30
		HIGH	Q16	20.11	20.74	19.94	21.30
	8	LOW	64QAM	19.74	19.71	19.87	21.30
		MID	64QAM	19.33	19.23	19.01	20.30
		HIGH	64QAM	19.16	19.62	19.23	20.30
15	LOW	64QAM	19.34	19.25	18.74	20.30	
15	LOW	64QAM	19.08	19.00	19.05	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.02	22.37	22.29	23.30
		MID	QPSK	21.95	22.39	22.20	23.30
		HIGH	QPSK	22.29	22.30	22.26	23.30
	12	LOW	QPSK	21.18	21.19	21.26	22.30
		MID	QPSK	21.32	21.14	21.17	22.30
		HIGH	QPSK	21.12	21.05	20.98	22.30
25	LOW	QPSK	21.21	21.06	21.13	22.30	
5	1	LOW	Q16	21.19	21.37	21.48	22.30
		MID	Q16	21.42	21.50	20.80	22.30
		HIGH	Q16	20.94	21.09	20.84	22.30
	12	LOW	Q16	20.31	20.31	20.04	21.30
		MID	Q16	20.14	20.25	20.05	21.30
		HIGH	Q16	20.10	20.44	20.03	21.30
25	LOW	Q16	20.08	20.26	20.15	21.30	
5	1	LOW	64QAM	20.08	20.59	20.27	21.30
		MID	64QAM	20.19	20.59	19.95	21.30
		HIGH	64QAM	19.56	19.97	19.99	21.30
	12	LOW	64QAM	19.20	19.33	19.03	20.30
		MID	64QAM	19.14	19.53	19.14	20.30
		HIGH	64QAM	19.17	19.33	18.89	20.30
25	LOW	64QAM	18.99	19.01	18.91	20.30	

LTE B4-State2&State4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	22.00	22.43	22.26	23.30
		MID	QPSK	21.86	22.51	22.25	23.30
		HIGH	QPSK	22.36	22.26	22.11	23.30
	25	LOW	QPSK	21.18	21.10	21.35	22.30
		MID	QPSK	21.27	21.08	21.11	22.30
		HIGH	QPSK	21.12	21.29	21.11	22.30
50	LOW	QPSK	21.19	21.32	21.24	22.30	
10	1	LOW	Q16	21.06	21.35	21.53	22.30
		MID	Q16	21.28	21.71	20.81	22.30
		HIGH	Q16	20.76	20.97	20.78	22.30
	25	LOW	Q16	20.32	20.08	20.01	21.30
		MID	Q16	20.32	20.39	20.10	21.30
		HIGH	Q16	20.02	20.31	19.97	21.30
50	LOW	Q16	20.12	20.33	20.14	21.30	
10	1	LOW	64QAM	20.08	20.49	20.36	21.30
		MID	64QAM	20.18	20.52	20.14	21.30
		HIGH	64QAM	19.76	19.91	20.07	21.30
	25	LOW	64QAM	19.21	19.24	18.97	20.30
		MID	64QAM	19.19	19.58	19.12	20.30
		HIGH	64QAM	19.11	19.18	18.99	20.30
50	LOW	64QAM	19.22	19.24	19.06	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	21.90	22.31	22.17	23.30
		MID	QPSK	21.91	22.35	22.08	23.30
		HIGH	QPSK	22.14	22.19	22.11	23.30
	36	LOW	QPSK	21.06	21.18	21.32	22.30
		MID	QPSK	21.11	21.25	21.30	22.30
	75	HIGH	QPSK	21.06	21.08	20.87	22.30
15	1	LOW	Q16	21.09	21.63	21.54	22.30
		MID	Q16	21.28	21.70	21.06	22.30
		HIGH	Q16	20.81	21.08	20.88	22.30
	36	LOW	Q16	20.33	20.26	20.05	21.30
		MID	Q16	20.33	20.38	19.96	21.30
		HIGH	Q16	20.06	20.22	19.86	21.30
75	LOW	Q16	20.34	20.22	19.90	21.30	
15	1	LOW	64QAM	19.86	20.77	20.47	21.30
		MID	64QAM	20.22	20.47	19.91	21.30
		HIGH	64QAM	19.76	19.73	19.96	21.30
	36	LOW	64QAM	19.35	19.05	19.27	20.30
		MID	64QAM	19.18	19.61	19.06	20.30
		HIGH	64QAM	19.14	19.11	18.94	20.30
75	LOW	64QAM	19.19	19.00	18.79	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	21.94	22.41	22.17	23.30
		MID	QPSK	21.99	22.47	22.21	23.30
		HIGH	QPSK	22.29	22.27	22.11	23.30
	50	LOW	QPSK	21.07	21.18	21.26	22.30
		MID	QPSK	21.18	21.19	21.17	22.30
		HIGH	QPSK	21.07	21.19	20.99	22.30
100	LOW	QPSK	21.13	21.19	21.12	22.30	
20	1	LOW	Q16	21.08	21.49	21.43	22.30
		MID	Q16	21.31	21.60	20.92	22.30
		HIGH	Q16	20.81	20.94	20.89	22.30
	50	LOW	Q16	20.18	20.19	20.13	21.30
		MID	Q16	20.22	20.40	20.05	21.30
		HIGH	Q16	20.12	20.29	19.97	21.30
100	LOW	Q16	20.19	20.27	20.04	21.30	
20	1	LOW	64QAM	19.97	20.64	20.33	21.30
		MID	64QAM	20.21	20.62	20.01	21.30
		HIGH	64QAM	19.71	19.86	19.93	21.30
	50	LOW	64QAM	19.21	19.18	19.12	20.30
		MID	64QAM	19.23	19.54	19.13	20.30
		HIGH	64QAM	19.26	19.21	18.85	20.30
100	LOW	64QAM	19.25	19.13	18.91	20.30	

## 8.3.2 LTE Band4 Output Power

LTE B4-State3 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.12	19.21	19.05	19.30
		MID	QPSK	19.27	19.06	18.56	19.30
		HIGH	QPSK	18.91	18.69	18.97	19.30
	3	LOW	QPSK	19.28	19.27	18.91	19.30
		MID	QPSK	19.19	19.06	18.55	19.30
		HIGH	QPSK	18.93	18.75	19.02	19.30
6	LOW	QPSK	19.18	19.12	19.03	19.30	
1.4	1	LOW	Q16	19.21	19.14	19.21	19.30
		MID	Q16	19.13	19.03	18.52	19.30
		HIGH	Q16	18.98	18.89	19.16	19.30
	3	LOW	Q16	19.12	19.25	19.04	19.30
		MID	Q16	18.98	18.96	18.59	19.30
		HIGH	Q16	19.02	18.95	18.96	19.30
6	LOW	Q16	19.08	19.18	19.13	19.30	
1.4	1	LOW	64QAM	19.18	19.15	18.99	19.30
		MID	64QAM	19.04	19.15	18.76	19.30
		HIGH	64QAM	18.78	18.89	18.79	19.30
	3	LOW	64QAM	19.23	19.18	19.06	19.30
		MID	64QAM	18.99	19.30	18.64	19.30
		HIGH	64QAM	19.01	18.75	18.92	19.30
6	LOW	64QAM	19.11	19.21	19.27	19.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	19.03	19.14	19.19	19.30
		MID	QPSK	19.12	19.09	19.19	19.30
		HIGH	QPSK	19.24	19.15	19.09	19.30
	8	LOW	QPSK	19.11	19.01	19.01	19.30
		MID	QPSK	19.28	19.24	19.18	19.30
		HIGH	QPSK	19.15	19.27	19.15	19.30
15	LOW	QPSK	19.18	19.15	19.16	19.30	
3	1	LOW	Q16	19.26	19.21	18.95	19.30
		MID	Q16	18.99	19.16	18.67	19.30
		HIGH	Q16	19.02	18.98	18.96	19.30
	8	LOW	Q16	19.22	19.26	19.09	19.30
		MID	Q16	19.01	19.21	19.20	19.30
		HIGH	Q16	19.11	19.02	19.10	19.30
15	LOW	Q16	19.10	19.23	19.21	19.30	
3	1	LOW	64QAM	19.24	19.22	19.19	19.30
		MID	64QAM	19.13	19.24	18.65	19.30
		HIGH	64QAM	18.83	18.89	18.96	19.30
	8	LOW	64QAM	19.18	19.23	19.21	19.30
		MID	64QAM	18.98	19.16	19.09	19.30
		HIGH	64QAM	19.20	18.91	19.02	19.30
15	LOW	64QAM	19.15	19.16	19.21	19.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	19.17	19.17	19.22	19.30
		MID	QPSK	19.20	19.15	19.01	19.30
		HIGH	QPSK	19.18	19.15	19.12	19.30
	12	LOW	QPSK	19.18	19.24	19.26	19.30
		MID	QPSK	19.13	19.16	19.14	19.30
		HIGH	QPSK	19.03	19.28	19.28	19.30
25	LOW	QPSK	19.23	19.27	19.21	19.30	
5	1	LOW	Q16	19.22	19.27	19.07	19.30
		MID	Q16	19.20	19.00	18.60	19.30
		HIGH	Q16	18.97	18.80	18.82	19.30
	12	LOW	Q16	19.09	19.16	19.12	19.30
		MID	Q16	19.11	19.15	19.01	19.30
		HIGH	Q16	19.14	18.97	19.16	19.30
25	LOW	Q16	19.27	19.22	19.19	19.30	
5	1	LOW	64QAM	19.26	19.22	19.01	19.30
		MID	64QAM	19.11	19.20	18.47	19.30
		HIGH	64QAM	18.92	18.84	19.00	19.30
	12	LOW	64QAM	19.23	19.15	19.21	19.30
		MID	64QAM	18.93	19.23	18.97	19.30
		HIGH	64QAM	19.25	19.00	18.87	19.30
25	LOW	64QAM	19.28	19.22	19.10	19.30	

LTE B4-State3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	19.30	19.18	19.24	19.30	
		MID	QPSK	19.20	19.28	19.09	19.30	
		HIGH	QPSK	19.23	19.05	19.17	19.30	
	25	LOW	QPSK	19.12	19.17	19.00	19.30	
		MID	QPSK	19.27	19.23	19.11	19.30	
		HIGH	QPSK	19.19	19.16	19.11	19.30	
	50	LOW	QPSK	19.11	19.29	19.12	19.30	
	10	1	LOW	Q16	19.20	19.24	19.24	19.30
			MID	Q16	19.08	19.10	18.85	19.30
HIGH			Q16	18.93	19.06	18.82	19.30	
25		LOW	Q16	19.10	19.12	19.06	19.30	
		MID	Q16	18.95	19.16	19.00	19.30	
		HIGH	Q16	19.10	19.08	19.16	19.30	
50		LOW	Q16	19.16	19.23	19.26	19.30	
10		1	LOW	64QAM	19.12	19.18	19.00	19.30
			MID	64QAM	18.88	19.19	18.58	19.30
	HIGH		64QAM	18.91	18.70	18.93	19.30	
	25	LOW	64QAM	19.16	18.95	19.28	19.30	
		MID	64QAM	18.91	19.11	18.91	19.30	
		HIGH	64QAM	19.27	19.17	18.88	19.30	
	50	LOW	64QAM	19.08	19.25	19.26	19.30	
	15	1	LOW	QPSK	19.19	19.23	19.04	19.30
			MID	QPSK	19.15	19.11	19.19	19.30
HIGH			QPSK	19.13	19.16	19.13	19.30	
36		LOW	QPSK	19.20	19.23	19.24	19.30	
		MID	QPSK	19.12	19.24	19.12	19.30	
		HIGH	QPSK	19.07	19.14	19.26	19.30	
75		LOW	QPSK	19.11	19.16	19.14	19.30	
15		1	LOW	Q16	19.28	19.17	19.02	19.30
			MID	Q16	19.04	19.20	18.64	19.30
	HIGH		Q16	19.03	18.93	18.96	19.30	
	36	LOW	Q16	19.19	19.08	19.27	19.30	
		MID	Q16	19.11	19.08	19.20	19.30	
		HIGH	Q16	19.24	19.25	18.97	19.30	
	75	LOW	Q16	19.16	19.19	19.16	19.30	
	15	1	LOW	64QAM	19.22	19.29	19.27	19.30
			MID	64QAM	18.86	19.19	18.66	19.30
HIGH			64QAM	18.90	18.80	18.94	19.30	
36		LOW	64QAM	19.28	19.07	19.22	19.30	
		MID	64QAM	19.10	19.13	19.12	19.30	
		HIGH	64QAM	19.21	19.10	18.99	19.30	
75		LOW	64QAM	19.02	19.22	19.14	19.30	
20		1	LOW	QPSK	19.17	19.25	19.18	19.30
			MID	QPSK	19.27	19.23	19.08	19.30
	HIGH		QPSK	19.13	19.11	19.09	19.30	
	50	LOW	QPSK	19.28	19.15	19.12	19.30	
		MID	QPSK	19.22	19.21	19.20	19.30	
		HIGH	QPSK	19.12	19.19	19.14	19.30	
	100	LOW	QPSK	19.26	19.22	19.27	19.30	
	20	1	LOW	Q16	19.29	19.21	19.09	19.30
			MID	Q16	19.11	19.13	18.72	19.30
HIGH			Q16	18.89	18.92	18.92	19.30	
50		LOW	Q16	19.22	19.21	19.20	19.30	
		MID	Q16	19.10	19.23	19.09	19.30	
		HIGH	Q16	19.22	19.10	19.03	19.30	
100		LOW	Q16	19.22	19.28	19.28	19.30	
20		1	LOW	64QAM	19.23	19.29	19.12	19.30
			MID	64QAM	18.99	19.25	18.62	19.30
	HIGH		64QAM	18.86	18.84	18.90	19.30	
	50	LOW	64QAM	19.13	19.10	19.25	19.30	
		MID	64QAM	19.00	19.15	19.06	19.30	
		HIGH	64QAM	19.22	19.05	18.97	19.30	
	100	LOW	64QAM	19.14	19.22	19.25	19.30	

### 8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.14	23.25	23.20	24.30
		MID	QPSK	23.19	23.13	23.51	24.30
		HIGH	QPSK	23.20	23.22	23.38	24.30
	3	LOW	QPSK	23.34	23.34	23.22	24.30
		MID	QPSK	23.40	23.45	23.27	24.30
		HIGH	QPSK	23.25	23.38	23.11	24.30
6	LOW	QPSK	22.22	22.37	22.16	23.30	
1.4	1	LOW	Q16	22.42	22.46	22.02	23.30
		MID	Q16	22.34	22.54	22.01	23.30
		HIGH	Q16	22.38	22.39	22.14	23.30
	3	LOW	Q16	22.38	21.96	22.39	23.30
		MID	Q16	22.36	22.04	22.33	23.30
		HIGH	Q16	22.42	22.13	22.26	23.30
6	LOW	Q16	21.21	20.96	21.25	22.30	
1.4	1	LOW	64QAM	21.18	21.71	21.44	22.30
		MID	64QAM	21.66	21.70	21.13	22.30
		HIGH	64QAM	21.26	20.62	21.18	22.30
	3	LOW	64QAM	21.36	21.56	21.42	22.30
		MID	64QAM	21.54	21.52	21.17	22.30
		HIGH	64QAM	21.30	20.45	21.20	22.30
6	LOW	64QAM	20.59	20.38	20.29	21.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.14	23.24	23.37	24.30
		MID	QPSK	23.62	23.77	23.54	24.30
		HIGH	QPSK	23.19	23.04	23.42	24.30
	8	LOW	QPSK	22.50	22.23	22.27	23.30
		MID	QPSK	22.22	22.37	22.51	23.30
		HIGH	QPSK	22.38	22.49	22.13	23.30
15	LOW	QPSK	22.33	22.45	22.40	23.30	
3	1	LOW	Q16	22.20	22.46	22.57	23.30
		MID	Q16	22.78	22.32	22.23	23.30
		HIGH	Q16	22.16	21.52	22.36	23.30
	8	LOW	Q16	21.44	21.22	21.23	22.30
		MID	Q16	21.17	21.34	21.21	22.30
		HIGH	Q16	21.17	21.20	21.45	22.30
15	LOW	Q16	21.29	21.14	21.17	22.30	
3	1	LOW	64QAM	21.35	21.73	21.29	22.30
		MID	64QAM	21.61	21.51	21.35	22.30
		HIGH	64QAM	21.42	20.39	21.29	22.30
	8	LOW	64QAM	20.46	20.37	20.27	21.30
		MID	64QAM	20.23	20.30	20.13	21.30
		HIGH	64QAM	20.30	20.15	20.32	21.30
15	LOW	64QAM	20.24	20.26	20.13	21.30	

LTE B5-Full Power -Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.28	23.24	23.41	24.30	
		MID	QPSK	23.56	23.66	23.63	24.30	
		HIGH	QPSK	23.09	23.23	23.28	24.30	
	12	LOW	QPSK	22.43	22.30	22.36	23.30	
		MID	QPSK	22.16	22.51	22.43	23.30	
		HIGH	QPSK	22.44	22.41	22.19	23.30	
	25	LOW	QPSK	22.30	22.46	22.43	23.30	
	5	1	LOW	Q16	22.26	22.56	22.45	23.30
			MID	Q16	22.66	22.36	22.38	23.30
HIGH			Q16	22.41	21.76	22.18	23.30	
12		LOW	Q16	21.50	21.23	21.23	22.30	
		MID	Q16	21.29	21.30	21.03	22.30	
		HIGH	Q16	21.39	20.99	21.32	22.30	
25		LOW	Q16	21.26	21.17	21.28	22.30	
5		1	LOW	64QAM	21.39	21.74	21.32	22.30
			MID	64QAM	21.51	21.65	21.10	22.30
	HIGH		64QAM	21.23	20.49	21.23	22.30	
	12	LOW	64QAM	20.66	20.46	20.12	21.30	
		MID	64QAM	20.38	20.37	20.25	21.30	
		HIGH	64QAM	20.51	19.94	20.41	21.30	
	25	LOW	64QAM	20.16	20.25	20.27	21.30	
	Bandwidth (	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.24	23.37	23.49	24.30
MID			QPSK	23.51	23.65	23.64	24.30	
HIGH			QPSK	23.22	23.16	23.34	24.30	
25		LOW	QPSK	22.37	22.37	22.28	23.30	
		MID	QPSK	22.30	22.43	22.37	23.30	
		HIGH	QPSK	22.30	22.42	22.27	23.30	
50		LOW	QPSK	22.31	22.36	22.29	23.30	
10		1	LOW	Q16	22.11	22.59	22.43	23.30
			MID	Q16	22.65	22.42	22.35	23.30
	HIGH		Q16	22.27	21.67	22.33	23.30	
	25	LOW	Q16	21.46	21.20	21.22	22.30	
		MID	Q16	21.29	21.23	21.14	22.30	
		HIGH	Q16	21.27	21.14	21.36	22.30	
	50	LOW	Q16	21.21	21.20	21.18	22.30	
	10	1	LOW	64QAM	21.25	21.63	21.30	22.30
			MID	64QAM	21.64	21.57	21.22	22.30
HIGH			64QAM	21.37	20.54	21.31	22.30	
25		LOW	64QAM	20.59	20.35	20.18	21.30	
		MID	64QAM	20.33	20.28	20.27	21.30	
		HIGH	64QAM	20.36	20.01	20.47	21.30	
50		LOW	64QAM	20.15	20.26	20.20	21.30	



## 8.3.3 LTE Band5 Output Power

LTE B5-State1&2&3&4 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.14	23.25	23.20	24.30
		MID	QPSK	23.19	23.13	23.51	24.30
		HIGH	QPSK	23.20	23.22	23.38	24.30
	3	LOW	QPSK	23.34	23.34	23.22	24.30
		MID	QPSK	23.40	23.45	23.27	24.30
		HIGH	QPSK	23.25	23.38	23.11	24.30
6	LOW	QPSK	22.22	22.37	22.16	23.30	
1.4	1	LOW	Q16	22.42	22.46	22.02	23.30
		MID	Q16	22.34	22.54	22.01	23.30
		HIGH	Q16	22.38	22.39	22.14	23.30
	3	LOW	Q16	22.38	21.96	22.39	23.30
		MID	Q16	22.36	22.04	22.33	23.30
		HIGH	Q16	22.42	22.13	22.26	23.30
6	LOW	Q16	21.21	20.96	21.25	22.30	
1.4	1	LOW	64QAM	21.20	21.58	21.43	22.30
		MID	64QAM	21.44	21.58	21.51	22.30
		HIGH	64QAM	21.09	20.67	21.08	22.30
	3	LOW	64QAM	21.09	21.70	21.47	22.30
		MID	64QAM	21.59	21.51	21.48	22.30
		HIGH	64QAM	21.16	20.78	21.23	22.30
6	LOW	64QAM	20.35	20.21	20.27	21.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.21	23.30	23.56	24.30
		MID	QPSK	23.60	23.61	23.77	24.30
		HIGH	QPSK	23.33	23.23	23.24	24.30
	8	LOW	QPSK	22.43	22.44	22.20	23.30
		MID	QPSK	22.24	22.56	22.40	23.30
		HIGH	QPSK	22.29	22.54	22.34	23.30
15	LOW	QPSK	22.17	22.27	22.39	23.30	
3	1	LOW	Q16	21.97	22.50	22.37	23.30
		MID	Q16	22.61	22.56	22.41	23.30
		HIGH	Q16	22.30	21.62	22.20	23.30
	8	LOW	Q16	21.39	21.19	21.22	22.30
		MID	Q16	21.44	21.10	21.28	22.30
		HIGH	Q16	21.26	21.13	21.21	22.30
15	LOW	Q16	21.31	21.31	21.18	22.30	
3	1	LOW	64QAM	20.95	21.64	21.30	22.30
		MID	64QAM	21.67	21.45	21.35	22.30
		HIGH	64QAM	21.26	20.60	21.17	22.30
	8	LOW	64QAM	20.42	20.11	20.26	21.30
		MID	64QAM	20.39	20.21	20.09	21.30
		HIGH	64QAM	20.24	20.27	20.41	21.30
15	LOW	64QAM	20.15	20.16	20.34	21.30	

LTE B5-State1&2&3&4 -Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.18	23.33	23.49	24.30	
		MID	QPSK	23.63	23.76	23.70	24.30	
		HIGH	QPSK	23.23	23.04	23.49	24.30	
	12	LOW	QPSK	22.45	22.43	22.26	23.30	
		MID	QPSK	22.43	22.49	22.36	23.30	
		HIGH	QPSK	22.15	22.39	22.23	23.30	
	25	LOW	QPSK	22.45	22.22	22.14	23.30	
	5	1	LOW	Q16	22.07	22.54	22.51	23.30
			MID	Q16	22.68	22.42	22.48	23.30
HIGH			Q16	22.29	21.59	22.42	23.30	
12		LOW	Q16	21.51	21.34	21.23	22.30	
		MID	Q16	21.34	21.25	21.09	22.30	
		HIGH	Q16	21.18	21.11	21.23	22.30	
25		LOW	Q16	21.15	21.19	21.15	22.30	
5		1	LOW	64QAM	20.94	21.77	21.52	22.30
			MID	64QAM	21.40	21.49	21.51	22.30
	HIGH		64QAM	21.13	20.61	21.16	22.30	
	12	LOW	64QAM	20.49	20.15	20.21	21.30	
		MID	64QAM	20.23	20.49	20.06	21.30	
		HIGH	64QAM	20.34	20.19	20.28	21.30	
	25	LOW	64QAM	20.05	20.16	20.21	21.30	
	Bandwidth (	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.24	23.37	23.49	24.30
MID			QPSK	23.51	23.65	23.64	24.30	
HIGH			QPSK	23.22	23.16	23.34	24.30	
25		LOW	QPSK	22.37	22.37	22.28	23.30	
		MID	QPSK	22.30	22.43	22.37	23.30	
		HIGH	QPSK	22.30	22.42	22.27	23.30	
50		LOW	QPSK	22.31	22.36	22.29	23.30	
10		1	LOW	Q16	22.11	22.59	22.43	23.30
			MID	Q16	22.65	22.42	22.35	23.30
	HIGH		Q16	22.27	21.67	22.33	23.30	
	25	LOW	Q16	21.46	21.20	21.22	22.30	
		MID	Q16	21.29	21.23	21.14	22.30	
		HIGH	Q16	21.27	21.14	21.36	22.30	
	50	LOW	Q16	21.21	21.20	21.18	22.30	
	10	1	LOW	64QAM	21.05	21.63	21.41	22.30
			MID	64QAM	21.52	21.50	21.46	22.30
HIGH			64QAM	21.22	20.63	21.21	22.30	
25		LOW	64QAM	20.47	20.06	20.29	21.30	
		MID	64QAM	20.29	20.34	20.00	21.30	
		HIGH	64QAM	20.34	20.18	20.28	21.30	
50		LOW	64QAM	20.06	20.24	20.22	21.30	

### 8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.94	23.25	23.12	24.30
		MID	QPSK	22.98	23.24	23.43	24.30
		HIGH	QPSK	23.19	23.26	23.34	24.30
	3	LOW	QPSK	23.06	23.06	23.05	24.30
		MID	QPSK	23.11	23.15	23.08	24.30
		HIGH	QPSK	23.22	23.03	23.01	24.30
6	LOW	QPSK	22.04	22.13	22.03	23.30	
1.4	1	LOW	Q16	22.03	21.99	21.85	23.30
		MID	Q16	22.14	21.93	22.23	23.30
		HIGH	Q16	21.90	21.87	22.03	23.30
	3	LOW	Q16	22.10	21.93	22.29	23.30
		MID	Q16	22.16	21.94	22.25	23.30
		HIGH	Q16	22.22	21.96	22.17	23.30
6	LOW	Q16	21.34	20.98	21.15	22.30	
1.4	1	LOW	64QAM	21.04	21.37	21.41	22.30
		MID	64QAM	22.01	21.37	21.07	22.30
		HIGH	64QAM	21.19	20.50	21.10	22.30
	3	LOW	64QAM	20.85	21.15	21.25	22.30
		MID	64QAM	21.80	21.38	21.17	22.30
		HIGH	64QAM	21.35	20.47	21.28	22.30
6	LOW	64QAM	20.14	19.91	20.48	21.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.10	23.39	23.23	24.30
		MID	QPSK	23.36	23.29	23.30	24.30
		HIGH	QPSK	23.02	22.86	22.99	24.30
	8	LOW	QPSK	22.23	22.29	22.01	23.30
		MID	QPSK	22.19	22.31	22.08	23.30
		HIGH	QPSK	22.23	22.13	22.20	23.30
15	LOW	QPSK	22.01	22.06	21.98	23.30	
3	1	LOW	Q16	21.97	22.31	22.48	23.30
		MID	Q16	22.74	22.44	22.26	23.30
		HIGH	Q16	22.26	21.47	22.21	23.30
	8	LOW	Q16	20.94	21.03	21.46	22.30
		MID	Q16	21.25	21.30	21.23	22.30
		HIGH	Q16	21.11	21.05	20.93	22.30
15	LOW	Q16	21.18	20.95	21.01	22.30	
3	1	LOW	64QAM	20.80	21.27	21.42	22.30
		MID	64QAM	21.74	21.48	21.19	22.30
		HIGH	64QAM	21.26	20.68	21.24	22.30
	8	LOW	64QAM	20.22	19.73	20.24	21.30
		MID	64QAM	19.88	20.23	20.33	21.30
		HIGH	64QAM	19.97	20.41	20.01	21.30
15	LOW	64QAM	20.19	19.85	19.76	21.30	

LTE B5-Full Power -Ant.0								
Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	22.92	23.11	23.29	24.30	
		MID	QPSK	23.32	23.46	23.30	24.30	
		HIGH	QPSK	23.25	23.03	22.91	24.30	
	12	LOW	QPSK	22.08	22.11	22.14	23.30	
		MID	QPSK	22.28	22.31	22.29	23.30	
		HIGH	QPSK	22.23	22.12	22.09	23.30	
	25	LOW	QPSK	22.23	22.17	21.98	23.30	
	5	1	LOW	Q16	22.06	22.13	22.41	23.30
			MID	Q16	22.89	22.32	22.07	23.30
HIGH			Q16	22.38	21.71	22.26	23.30	
12		LOW	Q16	21.17	21.06	21.30	22.30	
		MID	Q16	21.04	21.11	21.30	22.30	
		HIGH	Q16	21.03	21.15	21.03	22.30	
25		LOW	Q16	21.01	21.04	21.08	22.30	
5		1	LOW	64QAM	20.87	21.32	21.29	22.30
			MID	64QAM	21.89	21.37	21.26	22.30
	HIGH		64QAM	21.35	20.48	21.04	22.30	
	12	LOW	64QAM	20.12	19.78	20.32	21.30	
		MID	64QAM	19.96	20.09	20.25	21.30	
		HIGH	64QAM	20.09	20.24	20.07	21.30	
	25	LOW	64QAM	20.24	19.75	19.73	21.30	
	Bandwidth (	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.02	23.25	23.30	24.30
MID			QPSK	23.33	23.40	23.39	24.30	
HIGH			QPSK	23.12	23.00	22.96	24.30	
25		LOW	QPSK	22.18	22.20	22.14	23.30	
		MID	QPSK	22.13	22.21	22.15	23.30	
		HIGH	QPSK	22.09	22.14	22.08	23.30	
50		LOW	QPSK	22.16	22.16	22.12	23.30	
10		1	LOW	Q16	22.08	22.27	22.34	23.30
			MID	Q16	22.86	22.33	22.19	23.30
	HIGH		Q16	22.23	21.59	22.24	23.30	
	25	LOW	Q16	21.09	20.97	21.33	22.30	
		MID	Q16	21.15	21.16	21.34	22.30	
		HIGH	Q16	21.03	21.18	21.07	22.30	
	50	LOW	Q16	21.15	20.92	20.96	22.30	
	10	1	LOW	64QAM	20.94	21.23	21.29	22.30
			MID	64QAM	21.89	21.48	21.19	22.30
HIGH			64QAM	21.24	20.61	21.18	22.30	
25		LOW	64QAM	20.17	19.86	20.37	21.30	
		MID	64QAM	20.01	20.11	20.36	21.30	
		HIGH	64QAM	19.95	20.26	20.00	21.30	
50		LOW	64QAM	20.23	19.81	19.82	21.30	

## 8.3.3 LTE Band5 Output Power

LTE B5-State1&2&3&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.94	23.25	23.12	24.30
		MID	QPSK	22.98	23.24	23.43	24.30
		HIGH	QPSK	23.19	23.26	23.34	24.30
	3	LOW	QPSK	23.06	23.06	23.05	24.30
		MID	QPSK	23.11	23.15	23.08	24.30
		HIGH	QPSK	23.22	23.03	23.01	24.30
6	LOW	QPSK	22.04	22.13	22.03	23.30	
1.4	1	LOW	Q16	22.03	21.99	21.85	23.30
		MID	Q16	22.14	21.93	22.23	23.30
		HIGH	Q16	21.90	21.87	22.03	23.30
	3	LOW	Q16	22.10	21.93	22.29	23.30
		MID	Q16	22.16	21.94	22.25	23.30
		HIGH	Q16	22.22	21.96	22.17	23.30
6	LOW	Q16	21.34	20.98	21.15	22.30	
1.4	1	LOW	64QAM	21.06	21.45	21.38	22.30
		MID	64QAM	22.04	21.20	21.14	22.30
		HIGH	64QAM	21.18	20.44	21.21	22.30
	3	LOW	64QAM	21.01	21.34	21.49	22.30
		MID	64QAM	21.97	21.41	20.97	22.30
		HIGH	64QAM	21.26	20.32	21.08	22.30
6	LOW	64QAM	20.01	19.88	20.38	21.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.93	23.23	23.27	24.30
		MID	QPSK	23.19	23.27	23.40	24.30
		HIGH	QPSK	23.01	23.11	22.90	24.30
	8	LOW	QPSK	22.23	22.27	22.00	23.30
		MID	QPSK	22.03	22.28	22.23	23.30
		HIGH	QPSK	22.12	22.23	21.96	23.30
15	LOW	QPSK	22.30	22.25	22.05	23.30	
3	1	LOW	Q16	22.14	22.19	22.42	23.30
		MID	Q16	22.86	22.48	22.21	23.30
		HIGH	Q16	22.17	21.47	22.14	23.30
	8	LOW	Q16	20.99	20.86	21.36	22.30
		MID	Q16	21.22	21.13	21.47	22.30
		HIGH	Q16	20.95	21.03	20.92	22.30
15	LOW	Q16	21.29	20.95	21.04	22.30	
3	1	LOW	64QAM	21.18	21.38	21.64	22.30
		MID	64QAM	21.82	21.47	21.20	22.30
		HIGH	64QAM	21.21	20.33	21.31	22.30
	8	LOW	64QAM	20.15	19.99	20.36	21.30
		MID	64QAM	20.38	20.17	20.40	21.30
		HIGH	64QAM	19.96	20.25	20.10	21.30
15	LOW	64QAM	20.38	19.80	19.87	21.30	

LTE B5-State1&2&3&4 -Ant.0								
Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	22.89	23.20	23.36	24.30	
		MID	QPSK	23.41	23.28	23.45	24.30	
		HIGH	QPSK	22.97	22.94	22.93	24.30	
	12	LOW	QPSK	22.17	22.34	22.21	23.30	
		MID	QPSK	22.07	22.16	22.05	23.30	
		HIGH	QPSK	21.94	22.17	22.03	23.30	
	25	LOW	QPSK	22.15	22.21	22.11	23.30	
	5	1	LOW	Q16	22.19	22.35	22.23	23.30
			MID	Q16	22.95	22.26	22.06	23.30
HIGH			Q16	22.37	21.54	22.32	23.30	
12		LOW	Q16	21.24	20.95	21.26	22.30	
		MID	Q16	21.13	21.15	21.38	22.30	
		HIGH	Q16	20.88	21.21	20.96	22.30	
25		LOW	Q16	21.05	20.84	20.87	22.30	
5		1	LOW	64QAM	21.05	21.44	21.63	22.30
			MID	64QAM	21.78	21.19	20.94	22.30
	HIGH		64QAM	21.37	20.33	21.32	22.30	
	12	LOW	64QAM	20.20	19.85	20.29	21.30	
		MID	64QAM	20.33	20.08	20.31	21.30	
		HIGH	64QAM	20.21	20.08	20.25	21.30	
	25	LOW	64QAM	20.41	19.71	20.02	21.30	
	Bandwidth (	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.02	23.25	23.30	24.30
MID			QPSK	23.33	23.40	23.39	24.30	
HIGH			QPSK	23.12	23.00	22.96	24.30	
25		LOW	QPSK	22.18	22.20	22.14	23.30	
		MID	QPSK	22.13	22.17	22.15	23.30	
		HIGH	QPSK	22.09	22.14	22.08	23.30	
50		LOW	QPSK	22.16	22.16	22.12	23.30	
10		1	LOW	Q16	22.08	22.27	22.34	23.30
			MID	Q16	22.86	22.33	22.19	23.30
	HIGH		Q16	22.23	21.59	22.24	23.30	
	25	LOW	Q16	21.09	20.97	21.33	22.30	
		MID	Q16	21.15	21.16	21.34	22.30	
		HIGH	Q16	21.03	21.18	21.07	22.30	
	50	LOW	Q16	21.15	20.92	20.96	22.30	
	10	1	LOW	64QAM	21.10	21.37	21.49	22.30
			MID	64QAM	21.90	21.33	21.06	22.30
HIGH			64QAM	21.33	20.44	21.18	22.30	
25		LOW	64QAM	20.16	19.90	20.23	21.30	
		MID	64QAM	20.27	20.04	20.37	21.30	
		HIGH	64QAM	20.09	20.21	20.14	21.30	
50		LOW	64QAM	20.27	19.83	19.87	21.30	

### 8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.1									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)		
5	1	LOW	QPSK	22.11	22.07	21.93	23.30		
		MID	QPSK	22.13	22.24	22.22	23.30		
		HIGH	QPSK	21.98	22.01	21.91	23.30		
	12	LOW	QPSK	21.23	21.32	21.24	22.30		
		MID	QPSK	21.25	21.42	21.17	22.30		
		HIGH	QPSK	21.21	21.38	21.19	22.30		
	25	LOW	QPSK	21.21	21.34	21.23	22.30		
	5	1	LOW	Q16	21.07	21.54	21.22	22.30	
			MID	Q16	21.07	21.37	21.29	22.30	
HIGH			Q16	20.67	20.70	20.69	22.30		
12		LOW	Q16	20.22	20.09	20.30	21.30		
		MID	Q16	20.24	20.24	20.10	21.30		
		HIGH	Q16	20.20	20.25	19.85	21.30		
25		LOW	Q16	20.39	20.63	20.02	21.30		
5		1	LOW	64QAM	20.44	20.12	20.36	21.30	
			MID	64QAM	20.61	20.40	20.26	21.30	
	HIGH		64QAM	19.81	19.96	19.86	21.30		
	12	LOW	64QAM	19.45	19.56	19.23	20.30		
		MID	64QAM	19.33	19.33	18.97	20.30		
		HIGH	64QAM	19.12	19.24	18.81	20.30		
	25	LOW	64QAM	19.17	19.30	19.27	20.30		
	10	10	1	LOW	QPSK	21.92	21.88	22.12	23.30
				MID	QPSK	22.12	22.47	22.23	23.30
HIGH				QPSK	21.95	22.23	21.65	23.30	
25			LOW	QPSK	21.35	21.35	21.32	22.30	
			MID	QPSK	21.28	21.42	21.13	22.30	
			HIGH	QPSK	21.26	21.31	21.24	22.30	
50			LOW	QPSK	21.14	21.43	21.13	22.30	
10			1	LOW	Q16	21.36	21.18	21.41	22.30
				MID	Q16	21.77	21.54	21.36	22.30
		HIGH		Q16	20.67	20.92	20.82	22.30	
		25	LOW	Q16	20.47	20.32	20.28	21.30	
			MID	Q16	20.27	20.27	20.29	21.30	
			HIGH	Q16	20.28	20.48	20.19	21.30	
50		LOW	Q16	20.30	20.20	20.19	21.30		
10		1	LOW	64QAM	20.57	19.98	20.42	21.30	
	MID		64QAM	20.71	20.46	20.31	21.30		
	HIGH		64QAM	19.80	19.87	19.80	21.30		
	25	LOW	64QAM	19.16	19.59	19.29	20.30		
		MID	64QAM	19.51	19.57	19.06	20.30		
		HIGH	64QAM	19.35	19.18	18.79	20.30		
	50	LOW	64QAM	19.27	19.41	19.14	20.30		

LTE B7-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	21.96	21.89	22.30	23.30
		MID	QPSK	22.17	22.60	22.26	23.30
		HIGH	QPSK	22.07	22.25	21.80	23.30
	36	LOW	QPSK	21.44	21.29	21.55	22.30
		MID	QPSK	21.08	21.17	21.34	22.30
		HIGH	QPSK	21.30	21.29	21.15	22.30
75	LOW	QPSK	21.23	21.15	21.19	22.30	
15	1	LOW	Q16	21.21	21.19	21.41	22.30
		MID	Q16	21.61	21.52	21.21	22.30
		HIGH	Q16	20.91	20.98	20.98	22.30
	36	LOW	Q16	20.32	20.39	20.26	21.30
		MID	Q16	20.49	20.51	20.16	21.30
		HIGH	Q16	20.15	20.34	19.99	21.30
75	LOW	Q16	20.27	20.18	20.03	21.30	
15	1	LOW	64QAM	20.60	20.11	20.59	21.30
		MID	64QAM	20.65	20.51	20.21	21.30
		HIGH	64QAM	19.95	19.84	19.88	21.30
	36	LOW	64QAM	19.22	19.39	19.26	20.30
		MID	64QAM	19.33	19.30	19.06	20.30
		HIGH	64QAM	19.12	19.12	19.04	20.30
75	LOW	64QAM	19.21	19.46	19.32	20.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	21.95	21.76	22.17	23.30
		MID	QPSK	22.21	22.51	22.32	23.30
		HIGH	QPSK	21.93	22.28	21.73	23.30
	50	LOW	QPSK	21.30	21.30	21.29	22.30
		MID	QPSK	21.18	21.28	21.26	22.30
		HIGH	QPSK	21.17	21.36	21.23	22.30
100	LOW	QPSK	21.21	21.30	21.25	22.30	
20	1	LOW	Q16	21.36	21.24	21.44	22.30
		MID	Q16	21.62	21.46	21.23	22.30
		HIGH	Q16	20.79	20.96	20.90	22.30
	50	LOW	Q16	20.44	20.31	20.29	21.30
		MID	Q16	20.37	20.40	20.14	21.30
		HIGH	Q16	20.25	20.37	20.04	21.30
100	LOW	Q16	20.23	20.24	20.08	21.30	
20	1	LOW	64QAM	20.50	20.12	20.50	21.30
		MID	64QAM	20.75	20.51	20.26	21.30
		HIGH	64QAM	19.90	19.91	19.76	21.30
	50	LOW	64QAM	19.31	19.44	19.37	20.30
		MID	64QAM	19.48	19.43	19.09	20.30
		HIGH	64QAM	19.20	19.24	18.90	20.30
100	LOW	64QAM	19.17	19.32	19.22	20.30	



### 8.3.4 LTE Band7 Output Power

LTE B7-State1 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	19.70	20.08	19.75	20.80	
		MID	QPSK	19.76	20.30	19.83	20.80	
		HIGH	QPSK	19.32	19.78	19.52	20.80	
	12	LOW	QPSK	19.81	19.66	19.71	20.80	
		MID	QPSK	19.51	19.86	19.73	20.80	
		HIGH	QPSK	19.60	19.60	19.56	20.80	
	25	LOW	QPSK	19.48	19.83	19.76	20.80	
	5	1	LOW	Q16	19.50	19.65	19.73	20.80
			MID	Q16	20.02	19.64	19.66	20.80
HIGH			Q16	20.67	20.70	20.69	20.80	
12		LOW	Q16	20.22	20.09	20.30	20.80	
		MID	Q16	20.24	20.24	20.10	20.80	
		HIGH	Q16	20.20	20.25	19.85	20.80	
25		LOW	Q16	20.39	20.63	20.02	20.80	
5		1	LOW	64QAM	19.42	19.75	20.05	20.80
			MID	64QAM	19.91	19.62	19.76	20.80
	HIGH		64QAM	19.13	19.35	19.32	20.80	
	12	LOW	64QAM	19.21	19.32	19.26	20.30	
		MID	64QAM	19.27	19.21	19.25	20.30	
		HIGH	64QAM	19.02	18.88	19.11	20.30	
	25	LOW	64QAM	18.84	19.30	19.05	20.30	
	Bandwidth	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	19.45	19.95	19.70	20.80
MID			QPSK	19.84	20.07	19.63	20.80	
HIGH			QPSK	19.45	19.72	19.56	20.80	
25		LOW	QPSK	19.74	19.83	19.81	20.80	
		MID	QPSK	19.66	19.80	19.76	20.80	
		HIGH	QPSK	19.60	19.86	19.52	20.80	
50		LOW	QPSK	19.66	19.88	19.76	20.80	
10		1	LOW	Q16	19.52	19.66	19.91	20.80
			MID	Q16	19.85	19.72	19.53	20.80
	HIGH		Q16	18.93	18.99	19.39	20.80	
	25	LOW	Q16	19.79	19.72	19.54	20.80	
		MID	Q16	19.89	19.52	19.57	20.80	
		HIGH	Q16	19.77	19.76	19.57	20.80	
	50	LOW	Q16	19.49	19.78	19.67	20.80	
	10	1	LOW	64QAM	19.43	19.45	19.99	20.80
			MID	64QAM	19.84	19.55	19.52	20.80
HIGH			64QAM	19.10	19.23	19.48	20.80	
25		LOW	64QAM	19.05	19.35	19.14	20.30	
		MID	64QAM	19.00	18.93	19.18	20.30	
		HIGH	64QAM	19.18	18.97	19.00	20.30	
50		LOW	64QAM	18.92	19.48	18.98	20.30	

LTE B7-State1 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	19.65	19.93	19.86	20.80	
		MID	QPSK	19.96	20.07	19.79	20.80	
		HIGH	QPSK	19.31	19.80	19.47	20.80	
	36	LOW	QPSK	19.59	19.77	19.88	20.80	
		MID	QPSK	19.56	19.71	19.63	20.80	
		HIGH	QPSK	19.43	19.81	19.55	20.80	
	75	LOW	QPSK	19.57	19.88	19.71	20.80	
	15	1	LOW	Q16	19.61	19.58	19.73	20.80
			MID	Q16	20.01	19.68	19.40	20.80
HIGH			Q16	18.94	19.11	19.47	20.80	
36		LOW	Q16	19.74	19.80	19.58	20.80	
		MID	Q16	19.87	19.70	19.45	20.80	
		HIGH	Q16	19.62	19.77	19.61	20.80	
75		LOW	Q16	19.56	19.68	19.45	20.80	
15		1	LOW	64QAM	19.66	19.72	20.06	20.80
			MID	64QAM	19.70	19.71	19.68	20.80
	HIGH		64QAM	19.17	18.95	19.38	20.80	
	36	LOW	64QAM	19.34	19.23	19.21	20.30	
		MID	64QAM	19.07	18.98	18.98	20.30	
		HIGH	64QAM	19.11	19.11	19.19	20.30	
	75	LOW	64QAM	18.84	19.43	19.15	20.30	
	Bandwidth	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	19.60	20.06	19.72	20.80
MID			QPSK	19.82	20.15	19.70	20.80	
HIGH			QPSK	19.44	19.75	19.42	20.80	
50		LOW	QPSK	19.68	19.76	19.76	20.80	
		MID	QPSK	19.63	19.73	19.66	20.80	
		HIGH	QPSK	19.55	19.74	19.63	20.80	
100		LOW	QPSK	19.58	19.76	19.74	20.80	
20		1	LOW	Q16	19.59	19.52	19.78	20.80
			MID	Q16	19.95	19.72	19.52	20.80
	HIGH		Q16	19.07	18.82	19.44	20.80	
	50	LOW	Q16	19.71	19.73	19.64	20.80	
		MID	Q16	19.74	19.66	19.49	20.80	
		HIGH	Q16	19.75	19.66	19.48	20.80	
	100	LOW	Q16	19.56	19.78	19.57	20.80	
	20	1	LOW	64QAM	19.51	19.60	19.91	20.80
			MID	64QAM	19.80	19.70	19.62	20.80
HIGH			64QAM	19.14	19.13	19.44	20.80	
50		LOW	64QAM	19.19	19.33	19.13	20.30	
		MID	64QAM	19.12	19.06	19.11	20.30	
		HIGH	64QAM	19.16	19.02	19.08	20.30	
100		LOW	64QAM	18.98	19.38	19.07	20.30	

### 8.3.4 LTE Band7 Output Power

LTE B7-state2 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	17.99	18.52	18.34	19.30	
		MID	QPSK	18.42	18.63	18.20	19.30	
		HIGH	QPSK	17.66	18.40	18.11	19.30	
	12	LOW	QPSK	18.24	18.24	18.38	19.30	
		MID	QPSK	17.97	18.30	18.28	19.30	
		HIGH	QPSK	18.02	18.28	18.27	19.30	
	25	LOW	QPSK	18.12	18.27	18.34	19.30	
	5	1	LOW	Q16	18.05	18.79	18.31	19.30
			MID	Q16	18.38	18.31	18.08	19.30
HIGH			Q16	17.69	17.92	17.79	19.30	
12		LOW	Q16	18.27	18.48	18.08	19.30	
		MID	Q16	18.25	18.30	17.62	19.30	
		HIGH	Q16	18.65	18.46	17.83	19.30	
25		LOW	Q16	17.69	17.48	17.93	19.30	
5		1	LOW	64QAM	18.28	18.76	18.19	19.30
			MID	64QAM	18.41	18.40	18.01	19.30
	HIGH		64QAM	17.78	18.06	17.88	19.30	
	12	LOW	64QAM	18.14	18.21	18.01	19.30	
		MID	64QAM	18.06	18.33	17.88	19.30	
		HIGH	64QAM	18.39	18.32	18.06	19.30	
	25	LOW	64QAM	18.34	18.13	18.18	19.30	
Bandwidth	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)	
10	1	LOW	QPSK	17.82	18.59	18.31	19.30	
		MID	QPSK	18.32	18.67	18.08	19.30	
		HIGH	QPSK	17.88	18.49	17.96	19.30	
	25	LOW	QPSK	18.15	18.18	18.17	19.30	
		MID	QPSK	18.14	18.12	18.17	19.30	
		HIGH	QPSK	17.96	18.40	18.17	19.30	
50	LOW	QPSK	18.28	18.25	18.41	19.30		
10	1	LOW	Q16	18.03	18.86	18.05	19.30	
		MID	Q16	18.39	18.39	17.95	19.30	
		HIGH	Q16	17.75	17.88	17.86	19.30	
	25	LOW	Q16	18.26	18.33	18.14	19.30	
		MID	Q16	18.01	18.29	17.87	19.30	
		HIGH	Q16	18.28	18.20	18.03	19.30	
	50	LOW	Q16	18.07	18.39	18.22	19.30	
	10	1	LOW	64QAM	18.27	19.00	18.41	19.30
			MID	64QAM	18.33	18.25	17.88	19.30
HIGH			64QAM	17.88	17.62	18.08	19.30	
25		LOW	64QAM	18.26	18.20	18.01	19.30	
		MID	64QAM	17.97	18.21	17.92	19.30	
		HIGH	64QAM	18.27	18.08	17.93	19.30	
50		LOW	64QAM	18.37	18.15	17.99	19.30	

LTE B7-state2 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	17.74	18.62	18.24	19.30	
		MID	QPSK	18.21	18.79	18.26	19.30	
		HIGH	QPSK	17.67	18.40	17.99	19.30	
	36	LOW	QPSK	18.10	18.24	18.41	19.30	
		MID	QPSK	18.10	18.30	18.07	19.30	
		HIGH	QPSK	17.96	18.23	18.12	19.30	
	75	LOW	QPSK	18.26	18.42	18.24	19.30	
	15	1	LOW	Q16	18.22	18.93	18.16	19.30
			MID	Q16	18.46	18.15	17.92	19.30
HIGH			Q16	17.79	17.37	17.86	19.30	
36		LOW	Q16	18.18	18.46	18.24	19.30	
		MID	Q16	18.19	18.38	17.61	19.30	
		HIGH	Q16	18.41	18.35	18.09	19.30	
75		LOW	Q16	18.04	18.40	18.05	19.30	
15		1	LOW	64QAM	18.31	18.97	18.36	19.30
			MID	64QAM	18.51	18.45	17.94	19.30
	HIGH		64QAM	17.95	17.49	17.85	19.30	
	36	LOW	64QAM	18.27	18.32	18.03	19.30	
		MID	64QAM	18.14	18.22	17.91	19.30	
		HIGH	64QAM	18.32	18.20	17.82	19.30	
	75	LOW	64QAM	18.09	18.27	18.02	19.30	
	Bandwidth	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	17.85	18.59	18.34	19.30
MID			QPSK	18.28	18.68	18.18	19.30	
HIGH			QPSK	17.74	18.37	18.03	19.30	
50		LOW	QPSK	18.17	18.29	18.32	19.30	
		MID	QPSK	18.09	18.23	18.17	19.30	
		HIGH	QPSK	18.10	18.27	18.19	19.30	
100		LOW	QPSK	18.14	18.29	18.30	19.30	
20		1	LOW	Q16	18.14	18.94	18.20	19.30
			MID	Q16	18.43	18.26	18.07	19.30
	HIGH		Q16	17.82	17.30	17.93	19.30	
	50	LOW	Q16	18.25	18.34	18.10	19.30	
		MID	Q16	18.16	18.39	17.74	19.30	
		HIGH	Q16	18.28	18.23	17.97	19.30	
	100	LOW	Q16	18.10	18.32	18.11	19.30	
	20	1	LOW	64QAM	18.19	18.91	18.31	19.30
			MID	64QAM	18.48	18.33	17.97	19.30
HIGH			64QAM	17.83	18.11	17.98	19.30	
50		LOW	64QAM	18.16	18.20	18.14	19.30	
		MID	64QAM	18.06	18.32	17.89	19.30	
		HIGH	64QAM	18.35	18.17	17.91	19.30	
100		LOW	64QAM	18.22	18.25	18.09	19.30	

### 8.3.4 LTE Band7 Output Power

LTE B7-State3 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	17.62	17.31	17.68	18.30	
		MID	QPSK	17.85	17.80	18.06	18.30	
		HIGH	QPSK	17.34	17.53	17.67	18.30	
	12	LOW	QPSK	17.44	17.66	17.63	18.30	
		MID	QPSK	17.51	17.73	17.71	18.30	
		HIGH	QPSK	17.36	17.60	17.52	18.30	
	25	LOW	QPSK	17.55	17.72	17.57	18.30	
	5	1	LOW	Q16	17.47	17.64	17.93	18.30
			MID	Q16	17.46	17.95	17.46	18.30
HIGH			Q16	17.01	17.06	17.31	18.30	
12		LOW	Q16	17.65	17.73	17.52	18.30	
		MID	Q16	17.64	17.66	17.75	18.30	
		HIGH	Q16	17.48	17.67	17.48	18.30	
25		LOW	Q16	17.63	17.59	17.63	18.30	
5		1	LOW	64QAM	17.39	17.37	17.94	18.30
			MID	64QAM	17.35	18.12	17.53	18.30
	HIGH		64QAM	17.01	17.23	17.37	18.30	
	12	LOW	64QAM	17.51	17.61	17.43	18.30	
		MID	64QAM	17.57	17.64	17.70	18.30	
		HIGH	64QAM	17.30	17.79	17.31	18.30	
	25	LOW	64QAM	17.27	17.65	17.57	18.30	
	Bandwidth	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	17.41	17.58	17.69	18.30
MID			QPSK	17.62	17.86	17.91	18.30	
HIGH			QPSK	17.43	17.71	17.65	18.30	
25		LOW	QPSK	17.70	17.78	17.70	18.30	
		MID	QPSK	17.70	17.82	17.69	18.30	
		HIGH	QPSK	17.48	17.53	17.48	18.30	
50		LOW	QPSK	17.48	17.57	17.74	18.30	
10		1	LOW	Q16	17.40	17.59	17.67	18.30
			MID	Q16	17.57	18.03	17.42	18.30
	HIGH		Q16	16.92	17.22	17.36	18.30	
	25	LOW	Q16	17.52	17.88	17.32	18.30	
		MID	Q16	17.59	17.74	17.52	18.30	
		HIGH	Q16	17.46	17.53	17.53	18.30	
	50	LOW	Q16	17.45	17.58	17.60	18.30	
	10	1	LOW	64QAM	17.37	17.59	17.82	18.30
			MID	64QAM	17.45	18.12	17.45	18.30
HIGH			64QAM	17.09	17.17	17.31	18.30	
25		LOW	64QAM	17.81	17.65	17.51	18.30	
		MID	64QAM	17.63	17.57	17.52	18.30	
		HIGH	64QAM	17.27	17.73	17.43	18.30	
50		LOW	64QAM	17.36	17.44	17.46	18.30	

LTE B7-State3 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	17.54	17.50	17.76	18.30	
		MID	QPSK	17.61	17.73	18.09	18.30	
		HIGH	QPSK	17.31	17.57	17.56	18.30	
	36	LOW	QPSK	17.73	17.83	17.62	18.30	
		MID	QPSK	17.50	17.61	17.72	18.30	
		HIGH	QPSK	17.43	17.74	17.56	18.30	
	75	LOW	QPSK	17.45	17.76	17.78	18.30	
	15	1	LOW	Q16	17.38	17.54	17.75	18.30
			MID	Q16	17.39	17.91	17.39	18.30
HIGH			Q16	17.07	17.29	17.42	18.30	
36		LOW	Q16	17.57	17.65	17.52	18.30	
		MID	Q16	17.46	17.75	17.46	18.30	
		HIGH	Q16	17.47	17.70	17.28	18.30	
75		LOW	Q16	17.60	17.52	17.56	18.30	
15		1	LOW	64QAM	17.52	17.42	17.68	18.30
			MID	64QAM	17.44	17.98	17.47	18.30
	HIGH		64QAM	16.94	17.18	17.51	18.30	
	36	LOW	64QAM	17.70	17.65	17.45	18.30	
		MID	64QAM	17.59	17.72	17.48	18.30	
		HIGH	64QAM	17.24	17.81	17.52	18.30	
	75	LOW	64QAM	17.45	17.58	17.45	18.30	
	Bandwidth	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	17.48	17.46	17.73	18.30
MID			QPSK	17.72	17.84	17.83	18.30	
HIGH			QPSK	17.37	17.58	17.63	18.30	
50		LOW	QPSK	17.59	17.72	17.58	18.30	
		MID	QPSK	17.59	17.73	17.62	18.30	
		HIGH	QPSK	17.47	17.64	17.48	18.30	
100		LOW	QPSK	17.55	17.70	17.66	18.30	
20		1	LOW	Q16	17.43	17.50	17.81	18.30
			MID	Q16	17.46	17.96	17.54	18.30
	HIGH		Q16	17.04	17.17	17.30	18.30	
	50	LOW	Q16	17.55	17.80	17.44	18.30	
		MID	Q16	17.53	17.78	17.61	18.30	
		HIGH	Q16	17.51	17.57	17.39	18.30	
	100	LOW	Q16	17.52	17.60	17.56	18.30	
	20	1	LOW	64QAM	17.41	17.51	17.79	18.30
			MID	64QAM	17.43	17.98	17.39	18.30
HIGH			64QAM	16.99	17.29	17.43	18.30	
50		LOW	64QAM	17.66	17.70	17.47	18.30	
		MID	64QAM	17.48	17.67	17.62	18.30	
		HIGH	64QAM	17.38	17.72	17.42	18.30	
100		LOW	64QAM	17.42	17.53	17.52	18.30	

### 8.3.4 LTE Band7 Output Power

LTE B7-State4 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	18.10	17.93	18.05	18.80	
		MID	QPSK	18.27	18.20	18.45	18.80	
		HIGH	QPSK	18.04	18.01	17.87	18.80	
	12	LOW	QPSK	18.05	18.14	18.27	18.80	
		MID	QPSK	17.89	18.12	18.08	18.80	
		HIGH	QPSK	17.92	18.20	17.95	18.80	
	25	LOW	QPSK	18.03	18.08	18.19	18.80	
	5	1	LOW	Q16	17.78	18.10	17.92	18.80
			MID	Q16	17.89	18.04	18.45	18.80
HIGH			Q16	17.75	17.66	17.60	18.80	
12		LOW	Q16	17.75	18.00	17.94	18.80	
		MID	Q16	18.05	18.16	18.03	18.80	
		HIGH	Q16	18.03	18.00	17.80	18.80	
25		LOW	Q16	17.86	18.27	18.12	18.80	
5		1	LOW	64QAM	17.82	17.93	17.88	18.80
			MID	64QAM	18.05	18.05	18.27	18.80
	HIGH		64QAM	17.79	17.79	17.67	18.80	
	12	LOW	64QAM	17.61	18.28	18.08	18.80	
		MID	64QAM	17.97	17.93	17.93	18.80	
		HIGH	64QAM	17.71	17.91	17.64	18.80	
	25	LOW	64QAM	18.05	18.25	18.28	18.80	
	10	1	LOW	QPSK	18.18	18.13	17.99	18.80
			MID	QPSK	18.33	18.19	18.47	18.80
HIGH			QPSK	18.11	18.05	17.99	18.80	
25		LOW	QPSK	17.86	18.19	18.02	18.80	
		MID	QPSK	18.13	18.03	18.19	18.80	
		HIGH	QPSK	17.91	18.13	18.02	18.80	
50		LOW	QPSK	17.98	18.03	18.08	18.80	
10		1	LOW	Q16	17.98	18.09	17.94	18.80
			MID	Q16	17.75	17.95	18.42	18.80
	HIGH		Q16	17.62	17.76	17.46	18.80	
	25	LOW	Q16	17.83	18.23	17.83	18.80	
		MID	Q16	17.93	18.04	17.96	18.80	
		HIGH	Q16	17.89	17.88	17.84	18.80	
	50	LOW	Q16	17.94	18.24	18.19	18.80	
	10	1	LOW	64QAM	17.85	17.74	17.77	18.80
			MID	64QAM	17.97	18.20	18.30	18.80
HIGH			64QAM	17.59	17.84	17.55	18.80	
25		LOW	64QAM	17.84	18.26	18.17	18.80	
		MID	64QAM	18.06	18.04	17.87	18.80	
		HIGH	64QAM	17.76	17.98	17.74	18.80	
50		LOW	64QAM	17.95	18.17	18.16	18.80	

LTE B7-State4 -Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	18.12	18.08	17.89	18.80	
		MID	QPSK	18.35	18.11	18.32	18.80	
		HIGH	QPSK	18.23	17.85	17.96	18.80	
	36	LOW	QPSK	18.01	18.19	18.27	18.80	
		MID	QPSK	18.10	18.18	18.11	18.80	
		HIGH	QPSK	18.09	18.10	18.10	18.80	
	75	LOW	QPSK	17.96	18.21	18.20	18.80	
	15	1	LOW	Q16	17.95	17.93	17.87	18.80
			MID	Q16	17.99	18.16	18.33	18.80
HIGH			Q16	17.54	17.73	17.52	18.80	
36		LOW	Q16	17.93	18.07	18.07	18.80	
		MID	Q16	17.83	18.28	18.14	18.80	
		HIGH	Q16	17.97	18.00	17.88	18.80	
75		LOW	Q16	17.92	18.09	18.09	18.80	
15		1	LOW	64QAM	17.88	17.79	17.96	18.80
			MID	64QAM	18.13	17.99	18.19	18.80
	HIGH		64QAM	17.81	17.74	17.71	18.80	
	36	LOW	64QAM	17.69	18.26	17.99	18.80	
		MID	64QAM	18.06	18.05	18.12	18.80	
		HIGH	64QAM	17.71	17.85	17.53	18.80	
	75	LOW	64QAM	18.16	18.20	18.23	18.80	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	18.13	18.05	17.98	18.80
MID			QPSK	18.40	18.16	18.32	18.80	
HIGH			QPSK	18.08	17.93	17.92	18.80	
50		LOW	QPSK	18.01	18.17	18.16	18.80	
		MID	QPSK	18.00	18.13	18.16	18.80	
		HIGH	QPSK	17.96	18.11	17.98	18.80	
100		LOW	QPSK	18.06	18.16	18.05	18.80	
20		1	LOW	Q16	17.89	17.99	17.96	18.80
			MID	Q16	17.89	18.03	18.43	18.80
	HIGH		Q16	17.68	17.64	17.56	18.80	
	50	LOW	Q16	17.88	18.15	17.94	18.80	
		MID	Q16	17.97	18.13	18.05	18.80	
		HIGH	Q16	17.95	18.02	17.80	18.80	
	100	LOW	Q16	17.92	18.17	18.09	18.80	
	20	1	LOW	64QAM	17.87	17.85	17.82	18.80
			MID	64QAM	18.04	18.10	18.28	18.80
HIGH			64QAM	17.73	17.69	17.64	18.80	
50		LOW	64QAM	17.76	18.30	18.06	18.80	
		MID	64QAM	18.07	18.01	17.97	18.80	
		HIGH	64QAM	17.84	17.96	17.66	18.80	
100		LOW	64QAM	18.07	18.25	18.13	18.80	



### 8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	21.70	21.56	21.34	23.30	
		MID	QPSK	21.83	21.91	21.74	23.30	
		HIGH	QPSK	21.80	21.54	21.36	23.30	
	12	LOW	QPSK	20.80	20.86	20.66	22.30	
		MID	QPSK	20.83	20.99	20.68	22.30	
		HIGH	QPSK	20.84	20.89	20.66	22.30	
	25	LOW	QPSK	20.81	20.95	20.64	22.30	
	5	1	LOW	Q16	20.72	20.77	20.66	22.30
			MID	Q16	20.74	20.88	20.70	22.30
HIGH			Q16	20.32	20.55	20.38	22.30	
12		LOW	Q16	19.68	19.88	19.73	21.30	
		MID	Q16	19.73	19.94	19.80	21.30	
		HIGH	Q16	19.64	20.02	19.81	21.30	
25		LOW	Q16	20.05	19.95	19.71	21.30	
5		1	LOW	64QAM	19.96	19.94	19.45	21.30
			MID	64QAM	19.59	19.79	19.65	21.30
	HIGH		64QAM	19.50	19.63	19.34	21.30	
	12	LOW	64QAM	19.16	19.11	18.65	20.30	
		MID	64QAM	18.85	19.02	18.76	20.30	
		HIGH	64QAM	19.16	18.84	18.51	20.30	
	25	LOW	64QAM	19.00	18.79	18.75	20.30	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	21.62	21.30	21.52	23.30
MID			QPSK	22.01	22.20	21.86	23.30	
HIGH			QPSK	21.88	21.86	21.39	23.30	
25		LOW	QPSK	20.77	20.84	20.82	22.30	
		MID	QPSK	20.97	20.97	20.71	22.30	
		HIGH	QPSK	21.04	21.00	20.61	22.30	
50		LOW	QPSK	20.81	20.94	20.85	22.30	
10		1	LOW	Q16	21.03	21.05	20.48	22.30
			MID	Q16	20.85	20.91	20.86	22.30
	HIGH		Q16	20.52	20.57	20.35	22.30	
	25	LOW	Q16	20.13	20.08	19.67	21.30	
		MID	Q16	19.90	19.95	19.73	21.30	
		HIGH	Q16	20.09	19.73	19.64	21.30	
	50	LOW	Q16	20.04	19.66	19.68	21.30	
	10	1	LOW	64QAM	19.92	19.92	19.45	21.30
			MID	64QAM	19.67	19.83	19.53	21.30
HIGH			64QAM	19.58	19.43	19.42	21.30	
25		LOW	64QAM	19.09	18.97	18.65	20.30	
		MID	64QAM	18.90	18.95	18.74	20.30	
		HIGH	64QAM	19.14	18.80	18.50	20.30	
50		LOW	64QAM	18.87	18.78	18.62	20.30	

LTE B7-Full Power -Ant.0							
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	21.38	21.45	21.39	23.30
		MID	QPSK	22.08	22.46	21.98	23.30
		HIGH	QPSK	21.62	21.95	21.36	23.30
	36	LOW	QPSK	20.87	20.86	20.74	22.30
		MID	QPSK	20.89	20.99	20.87	22.30
		HIGH	QPSK	20.92	20.99	20.61	22.30
75	LOW	QPSK	21.03	20.74	20.64	22.30	
15	1	LOW	Q16	20.86	20.79	20.48	22.30
		MID	Q16	20.85	20.84	20.72	22.30
		HIGH	Q16	20.38	20.74	20.49	22.30
	36	LOW	Q16	20.14	20.00	19.80	21.30
		MID	Q16	20.14	20.01	19.72	21.30
		HIGH	Q16	20.15	19.86	19.50	21.30
75	LOW	Q16	19.76	19.68	19.72	21.30	
15	1	LOW	64QAM	20.01	20.05	19.64	21.30
		MID	64QAM	19.73	19.87	19.78	21.30
		HIGH	64QAM	19.32	19.71	19.50	21.30
	36	LOW	64QAM	19.30	19.16	18.72	20.30
		MID	64QAM	19.03	19.04	18.82	20.30
		HIGH	64QAM	18.97	18.85	18.52	20.30
75	LOW	64QAM	19.01	18.62	18.58	20.30	
Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	21.51	21.38	21.42	23.30
		MID	QPSK	22.00	22.31	22.01	23.30
		HIGH	QPSK	21.74	21.87	21.45	23.30
	50	LOW	QPSK	20.90	20.88	20.83	22.30
		MID	QPSK	20.92	20.88	20.73	22.30
		HIGH	QPSK	20.90	20.92	20.74	22.30
100	LOW	QPSK	20.88	20.87	20.73	22.30	
20	1	LOW	Q16	20.93	20.90	20.58	22.30
		MID	Q16	20.71	20.91	20.71	22.30
		HIGH	Q16	20.45	20.59	20.38	22.30
	50	LOW	Q16	20.08	20.00	19.74	21.30
		MID	Q16	20.00	20.01	19.60	21.30
		HIGH	Q16	20.00	19.86	19.55	21.30
100	LOW	Q16	19.91	19.79	19.70	21.30	
20	1	LOW	64QAM	19.93	20.02	19.50	21.30
		MID	64QAM	19.58	19.88	19.65	21.30
		HIGH	64QAM	19.47	19.58	19.36	21.30
	50	LOW	64QAM	19.18	19.08	18.73	20.30
		MID	64QAM	18.96	18.93	18.75	20.30
		HIGH	64QAM	19.06	18.74	18.56	20.30
100	LOW	64QAM	18.97	18.76	18.60	20.30	

### 8.3.4 LTE Band7 Output Power

LTE B7-State1&2&4 -Ant.0								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	21.70	21.56	21.34	23.30	
		MID	QPSK	21.83	21.91	21.74	23.30	
		HIGH	QPSK	21.80	21.54	21.36	23.30	
	12	LOW	QPSK	20.80	20.86	20.66	22.30	
		MID	QPSK	20.83	20.99	20.68	22.30	
		HIGH	QPSK	20.84	20.89	20.66	22.30	
	25	LOW	QPSK	20.81	20.95	20.64	22.30	
	5	1	LOW	Q16	20.72	20.77	20.66	22.30
			MID	Q16	20.74	20.88	20.70	22.30
HIGH			Q16	20.32	20.55	20.38	22.30	
12		LOW	Q16	19.68	19.88	19.73	21.30	
		MID	Q16	19.73	19.94	19.80	21.30	
		HIGH	Q16	19.64	20.02	19.81	21.30	
25		LOW	Q16	20.05	19.95	19.71	21.30	
5		1	LOW	64QAM	19.96	19.94	19.45	21.30
			MID	64QAM	19.59	19.79	19.65	21.30
	HIGH		64QAM	19.50	19.63	19.34	21.30	
	12	LOW	64QAM	19.16	19.11	18.65	20.30	
		MID	64QAM	18.85	19.02	18.76	20.30	
		HIGH	64QAM	19.16	18.84	18.51	20.30	
	25	LOW	64QAM	19.00	18.79	18.75	20.30	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	21.62	21.30	21.52	23.30
MID			QPSK	22.01	22.20	21.86	23.30	
HIGH			QPSK	21.88	21.86	21.39	23.30	
25		LOW	QPSK	20.77	20.84	20.82	22.30	
		MID	QPSK	20.97	20.97	20.71	22.30	
		HIGH	QPSK	21.04	21.00	20.61	22.30	
50		LOW	QPSK	20.81	20.94	20.85	22.30	
10		1	LOW	Q16	21.03	21.05	20.48	22.30
			MID	Q16	20.85	20.91	20.86	22.30
	HIGH		Q16	20.52	20.57	20.35	22.30	
	25	LOW	Q16	20.13	20.08	19.67	21.30	
		MID	Q16	19.90	19.95	19.73	21.30	
		HIGH	Q16	20.09	19.73	19.64	21.30	
	50	LOW	Q16	20.04	19.66	19.68	21.30	
	10	1	LOW	64QAM	19.92	19.92	19.45	21.30
			MID	64QAM	19.67	19.83	19.53	21.30
HIGH			64QAM	19.58	19.43	19.42	21.30	
25		LOW	64QAM	19.09	18.97	18.65	20.30	
		MID	64QAM	18.90	18.95	18.74	20.30	
		HIGH	64QAM	19.14	18.80	18.50	20.30	
50		LOW	64QAM	18.87	18.78	18.62	20.30	

LTE B7-State1&2&4 -Ant.0								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	21.38	21.45	21.39	23.30	
		MID	QPSK	22.08	22.46	21.98	23.30	
		HIGH	QPSK	21.62	21.95	21.36	23.30	
	36	LOW	QPSK	20.87	20.86	20.74	22.30	
		MID	QPSK	20.89	20.99	20.87	22.30	
		HIGH	QPSK	20.92	20.99	20.61	22.30	
	75	LOW	QPSK	21.03	20.74	20.64	22.30	
	15	1	LOW	Q16	20.86	20.79	20.48	22.30
			MID	Q16	20.85	20.84	20.72	22.30
HIGH			Q16	20.38	20.74	20.49	22.30	
36		LOW	Q16	20.14	20.00	19.80	21.30	
		MID	Q16	20.14	20.01	19.72	21.30	
		HIGH	Q16	20.15	19.86	19.50	21.30	
75		LOW	Q16	19.76	19.68	19.72	21.30	
15		1	LOW	64QAM	20.01	20.05	19.64	21.30
			MID	64QAM	19.73	19.87	19.78	21.30
	HIGH		64QAM	19.32	19.71	19.50	21.30	
	36	LOW	64QAM	19.30	19.16	18.72	20.30	
		MID	64QAM	19.03	19.04	18.82	20.30	
		HIGH	64QAM	18.97	18.85	18.52	20.30	
	75	LOW	64QAM	19.01	18.62	18.58	20.30	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	21.51	21.38	21.42	23.30
MID			QPSK	22.00	22.31	22.01	23.30	
HIGH			QPSK	21.74	21.87	21.45	23.30	
50		LOW	QPSK	20.90	20.88	20.83	22.30	
		MID	QPSK	20.92	20.88	20.73	22.30	
		HIGH	QPSK	20.90	20.92	20.74	22.30	
100		LOW	QPSK	20.88	20.87	20.73	22.30	
20		1	LOW	Q16	20.93	20.90	20.58	22.30
			MID	Q16	20.71	20.91	20.71	22.30
	HIGH		Q16	20.45	20.59	20.38	22.30	
	50	LOW	Q16	20.08	20.00	19.74	21.30	
		MID	Q16	20.00	20.01	19.60	21.30	
		HIGH	Q16	20.00	19.86	19.55	21.30	
	100	LOW	Q16	19.91	19.79	19.70	21.30	
	20	1	LOW	64QAM	19.93	20.02	19.50	21.30
			MID	64QAM	19.58	19.88	19.65	21.30
HIGH			64QAM	19.47	19.58	19.36	21.30	
50		LOW	64QAM	19.18	19.08	18.73	20.30	
		MID	64QAM	18.96	18.93	18.75	20.30	
		HIGH	64QAM	19.06	18.74	18.56	20.30	
100		LOW	64QAM	18.97	18.76	18.60	20.30	

## 8.3.4 LTE Band7 Output Power

LTE B7-State3 -Ant.0								
Bandwidth	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power (dBm)	
5	1	LOW	QPSK	19.77	20.06	19.66	20.80	
		MID	QPSK	20.12	20.35	19.87	20.80	
		HIGH	QPSK	19.41	20.01	19.60	20.80	
	12	LOW	QPSK	19.87	19.99	19.80	20.80	
		MID	QPSK	19.90	19.84	19.64	20.80	
		HIGH	QPSK	20.01	19.90	19.78	20.80	
	25	LOW	QPSK	19.81	20.06	19.86	20.80	
	5	1	LOW	Q16	19.90	19.95	19.30	20.80
			MID	Q16	20.03	20.31	19.62	20.80
HIGH			Q16	19.22	19.02	19.59	20.80	
12		LOW	Q16	20.05	20.13	19.55	20.80	
		MID	Q16	19.83	19.98	19.88	20.80	
		HIGH	Q16	19.99	19.90	19.52	20.80	
25		LOW	Q16	19.93	19.65	19.66	20.80	
5		1	LOW	64QAM	20.05	19.81	19.23	20.80
			MID	64QAM	20.11	20.27	19.55	20.80
	HIGH		64QAM	19.13	19.15	19.36	20.80	
	12	LOW	64QAM	16.87	17.04	16.54	17.80	
		MID	64QAM	16.81	16.85	16.62	17.80	
		HIGH	64QAM	17.06	16.90	16.74	17.80	
	25	LOW	64QAM	16.76	16.69	16.52	17.80	
	Bandwidth	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power (dBm)
	10	1	LOW	QPSK	20.00	20.21	19.82	20.80
MID			QPSK	20.05	20.16	19.84	20.80	
HIGH			QPSK	19.65	19.94	19.38	20.80	
25		LOW	QPSK	19.91	19.85	19.64	20.80	
		MID	QPSK	19.80	19.75	19.85	20.80	
		HIGH	QPSK	19.83	19.94	19.68	20.80	
50		LOW	QPSK	19.85	19.94	19.77	20.80	
10		1	LOW	Q16	20.10	19.88	19.32	20.80
			MID	Q16	20.12	20.27	19.70	20.80
	HIGH		Q16	19.33	18.80	19.67	20.80	
	25	LOW	Q16	19.99	19.97	19.62	20.80	
		MID	Q16	19.88	20.05	19.88	20.80	
		HIGH	Q16	19.79	19.96	19.53	20.80	
	50	LOW	Q16	19.96	19.89	19.68	20.80	
	10	1	LOW	64QAM	19.84	19.66	19.24	20.80
			MID	64QAM	20.14	20.15	19.70	20.80
HIGH			64QAM	19.10	18.81	19.69	20.80	
25		LOW	64QAM	17.04	17.27	16.69	17.80	
		MID	64QAM	16.81	17.12	16.73	17.80	
		HIGH	64QAM	16.71	16.85	16.59	17.80	
50		LOW	64QAM	16.76	16.72	16.77	17.80	

LTE B7-State3 -Ant.0								
Bandwidth	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power (dBm)	
15	1	LOW	QPSK	19.95	20.20	19.69	20.80	
		MID	QPSK	19.83	20.33	19.99	20.80	
		HIGH	QPSK	19.42	19.86	19.59	20.80	
	36	LOW	QPSK	20.02	20.05	19.83	20.80	
		MID	QPSK	19.92	19.83	19.80	20.80	
		HIGH	QPSK	19.97	19.91	19.83	20.80	
	75	LOW	QPSK	19.83	19.97	19.75	20.80	
	15	1	LOW	Q16	19.98	19.90	19.39	20.80
			MID	Q16	20.15	20.17	19.59	20.80
HIGH			Q16	19.19	19.05	19.75	20.80	
36		LOW	Q16	19.94	20.10	19.75	20.80	
		MID	Q16	19.80	19.93	19.70	20.80	
		HIGH	Q16	19.83	19.87	19.68	20.80	
75		LOW	Q16	19.89	19.87	19.71	20.80	
15		1	LOW	64QAM	19.84	19.77	19.24	20.80
			MID	64QAM	20.09	20.13	19.75	20.80
	HIGH		64QAM	19.10	18.85	19.58	20.80	
	36	LOW	64QAM	16.99	17.14	16.53	17.80	
		MID	64QAM	16.75	17.16	16.66	17.80	
		HIGH	64QAM	16.61	16.64	16.57	17.80	
	75	LOW	64QAM	16.74	16.82	16.71	17.80	
Bandwidth	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power (dBm)	
20	1	LOW	QPSK	19.85	20.13	19.74	20.80	
		MID	QPSK	19.97	20.21	19.98	20.80	
		HIGH	QPSK	19.56	19.97	19.53	20.80	
	50	LOW	QPSK	19.92	19.97	19.77	20.80	
		MID	QPSK	19.91	19.90	19.76	20.80	
		HIGH	QPSK	19.88	19.96	19.74	20.80	
	100	LOW	QPSK	19.90	20.01	19.75	20.80	
	20	1	LOW	Q16	20.05	19.82	19.39	20.80
			MID	Q16	20.12	20.30	19.74	20.80
HIGH			Q16	19.19	18.95	19.60	20.80	
50		LOW	Q16	19.93	20.02	19.62	20.80	
		MID	Q16	19.87	19.99	19.73	20.80	
		HIGH	Q16	19.86	19.84	19.66	20.80	
100		LOW	Q16	19.81	19.76	19.70	20.80	
20		1	LOW	64QAM	19.99	19.67	19.36	20.80
			MID	64QAM	20.07	20.28	19.63	20.80
	HIGH		64QAM	19.16	18.94	19.55	20.80	
	50	LOW	64QAM	17.05	17.14	16.57	17.80	
		MID	64QAM	16.86	17.12	16.75	17.80	
		HIGH	64QAM	16.71	16.72	16.66	17.80	
	100	LOW	64QAM	16.87	16.83	16.84	17.80	

## 8.3.5 LTE Band13 Output Power

LTE B13-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)
5	1	LOW	QPSK	23.67	23.75	23.62	24.30
		MID	QPSK	23.86	23.65	23.75	24.30
		HIGH	QPSK	23.63	23.51	23.38	24.30
	12	LOW	QPSK	22.38	22.69	22.74	23.30
		MID	QPSK	22.32	22.68	22.57	23.30
		HIGH	QPSK	22.51	22.46	22.43	23.30
25	LOW	QPSK	22.47	22.40	22.45	23.30	
5	1	LOW	Q16	22.41	22.44	22.49	23.30
		MID	Q16	22.82	23.02	22.91	23.30
		HIGH	Q16	22.27	22.36	22.41	23.30
	12	LOW	Q16	21.54	21.68	21.50	22.30
		MID	Q16	21.56	21.52	21.53	22.30
		HIGH	Q16	21.44	21.52	21.61	22.30
25	LOW	Q16	21.48	21.46	21.67	22.30	
5	1	LOW	64QAM	21.52	21.37	21.35	22.30
		MID	64QAM	21.84	21.85	21.81	22.30
		HIGH	64QAM	21.39	21.64	21.69	22.30
	12	LOW	64QAM	20.40	20.52	20.59	21.30
		MID	64QAM	20.40	20.64	20.34	21.30
		HIGH	64QAM	20.60	20.47	20.29	21.30
25	LOW	64QAM	20.60	20.54	20.83	21.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23230			Tune-up power(dBm)
10	1	LOW	QPSK	23.63			24.30
		MID	QPSK	23.76			24.30
		HIGH	QPSK	23.50			24.30
	25	LOW	QPSK	22.59			23.30
		MID	QPSK	22.54			23.30
		HIGH	QPSK	22.55			23.30
50	LOW	QPSK	22.53			23.30	
10	1	LOW	Q16	22.43			23.30
		MID	Q16	22.98			23.30
		HIGH	Q16	22.47			23.30
	25	LOW	Q16	21.60			22.30
		MID	Q16	21.51			22.30
		HIGH	Q16	21.46			22.30
50	LOW	Q16	21.54			22.30	
10	1	LOW	64QAM	21.49			22.30
		MID	64QAM	21.98			22.30
		HIGH	64QAM	21.56			22.30
	25	LOW	64QAM	20.47			21.30
		MID	64QAM	20.65			21.30
		HIGH	64QAM	20.38			21.30
50	LOW	64QAM	20.64			21.30	

## 8.3.5 LTE Band13 Output Power

LTE B13-State1&2&3&4 -Ant.1

Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)	
5	1	LOW	QPSK	23.67	23.71	23.50	24.30	
		MID	QPSK	23.82	23.76	23.61	24.30	
		HIGH	QPSK	23.36	23.57	23.57	24.30	
	12	LOW	QPSK	22.41	22.48	22.64	23.30	
		MID	QPSK	22.39	22.54	22.58	23.30	
		HIGH	QPSK	22.35	22.58	22.68	23.30	
	25	LOW	QPSK	22.39	22.51	22.44	23.30	
	5	1	LOW	Q16	22.50	22.47	22.46	23.30
			MID	Q16	22.76	23.12	23.13	23.30
HIGH			Q16	22.27	22.59	22.32	23.30	
12		LOW	Q16	21.72	21.66	21.45	22.30	
		MID	Q16	21.52	21.43	21.36	22.30	
		HIGH	Q16	21.57	21.37	21.34	22.30	
25		LOW	Q16	21.38	21.39	21.54	22.30	
5		1	LOW	64QAM	21.62	21.26	21.14	22.30
			MID	64QAM	21.60	21.83	22.15	22.30
	HIGH		64QAM	21.41	21.57	21.58	22.30	
	12	LOW	64QAM	20.67	20.55	20.47	21.30	
		MID	64QAM	20.48	20.58	20.64	21.30	
		HIGH	64QAM	20.61	20.33	20.32	21.30	
	25	LOW	64QAM	20.67	20.73	20.61	21.30	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23230			Tune-up power(dBm)
	10	1	LOW	QPSK	23.63			24.30
MID			QPSK	23.76			24.30	
HIGH			QPSK	23.50			24.30	
25		LOW	QPSK	22.59			23.30	
		MID	QPSK	22.54			23.30	
		HIGH	QPSK	22.55			23.30	
50		LOW	QPSK	22.53			23.30	
10		1	LOW	Q16	22.43			23.30
			MID	Q16	22.98			23.30
	HIGH		Q16	22.47			23.30	
	25	LOW	Q16	21.60			22.30	
		MID	Q16	21.51			22.30	
		HIGH	Q16	21.46			22.30	
	50	LOW	Q16	21.54			22.30	
	10	1	LOW	64QAM	21.49			22.30
			MID	64QAM	21.98			22.30
HIGH			64QAM	21.56			22.30	
25		LOW	64QAM	20.47			21.30	
		MID	64QAM	20.65			21.30	
		HIGH	64QAM	20.38			21.30	
50		LOW	64QAM	20.64			21.30	



### 8.3.5 LTE Band13 Output Power

LTE B13-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)
5	1	LOW	QPSK	23.44	23.59	23.67	24.30
		MID	QPSK	23.61	23.91	23.89	24.30
		HIGH	QPSK	23.28	23.68	23.55	24.30
	12	LOW	QPSK	22.45	22.61	22.57	23.30
		MID	QPSK	22.41	22.69	22.66	23.30
		HIGH	QPSK	22.34	22.59	22.72	23.30
25	LOW	QPSK	22.50	22.78	22.68	23.30	
5	1	LOW	Q16	22.38	22.83	22.75	23.30
		MID	Q16	22.56	22.79	22.73	23.30
		HIGH	Q16	22.40	22.79	22.96	23.30
	12	LOW	Q16	21.53	21.88	22.07	22.30
		MID	Q16	21.27	21.92	21.89	22.30
		HIGH	Q16	21.38	21.81	21.68	22.30
25	LOW	Q16	21.25	21.72	21.85	22.30	
5	1	LOW	64QAM	21.50	21.64	21.60	22.30
		MID	64QAM	21.36	22.30	22.13	22.30
		HIGH	64QAM	21.36	21.87	21.94	22.30
	12	LOW	64QAM	20.67	21.08	20.77	21.30
		MID	64QAM	20.22	20.87	20.75	21.30
		HIGH	64QAM	20.32	20.83	20.68	21.30
25	LOW	64QAM	20.32	20.67	20.58	21.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23230			Tune-up power(dBm)
10	1	LOW	QPSK	23.74			24.30
		MID	QPSK	23.86			24.30
		HIGH	QPSK	23.62			24.30
	25	LOW	QPSK	22.72			23.30
		MID	QPSK	22.68			23.30
		HIGH	QPSK	22.74			23.30
50	LOW	QPSK	22.75			23.30	
10	1	LOW	Q16	22.73			23.30
		MID	Q16	23.22			23.30
		HIGH	Q16	22.92			23.30
	25	LOW	Q16	21.98			22.30
		MID	Q16	21.81			22.30
		HIGH	Q16	21.81			22.30
50	LOW	Q16	21.81			22.30	
10	1	LOW	64QAM	21.75			22.30
		MID	64QAM	22.29			22.30
		HIGH	64QAM	21.79			22.30
	25	LOW	64QAM	21.03			21.30
		MID	64QAM	20.83			21.30
		HIGH	64QAM	20.77			21.30
50	LOW	64QAM	20.82			21.30	

LTE B13-State1&2&3&4 -Ant.0					
RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)
LOW	QPSK	23.44	23.59	23.67	24.30
MID	QPSK	23.61	23.91	23.89	24.30
HIGH	QPSK	23.28	23.68	23.55	24.30
LOW	QPSK	22.45	22.61	22.57	23.30
MID	QPSK	22.41	22.69	22.66	23.30
HIGH	QPSK	22.34	22.59	22.72	23.30
LOW	QPSK	22.50	22.78	22.68	23.30
LOW	Q16	22.38	22.83	22.75	23.30
MID	Q16	22.56	22.79	22.73	23.30
HIGH	Q16	22.40	22.79	22.96	23.30
LOW	Q16	21.53	21.88	22.07	22.30
MID	Q16	21.27	21.92	21.89	22.30
HIGH	Q16	21.38	21.81	21.68	22.30
LOW	Q16	21.25	21.72	21.85	22.30
LOW	64QAM	21.50	21.64	21.60	22.30
MID	64QAM	21.36	22.30	22.13	22.30
HIGH	64QAM	21.36	21.87	21.94	22.30
LOW	64QAM	20.67	21.08	20.77	21.30
MID	64QAM	20.22	20.87	20.75	21.30
HIGH	64QAM	20.32	20.83	20.68	21.30
LOW	64QAM	20.32	20.67	20.58	21.30
RB offset	Modulation	23230			Tune-up power(dBm)
LOW	QPSK	23.74			24.30
MID	QPSK	23.86			24.30
HIGH	QPSK	23.62			24.30
LOW	QPSK	22.72			23.30
MID	QPSK	22.68			23.30
HIGH	QPSK	22.74			23.30
LOW	QPSK	22.75			23.30
LOW	Q16	22.73			23.30
MID	Q16	23.22			23.30
HIGH	Q16	22.92			23.30
LOW	Q16	21.98			22.30
MID	Q16	21.81			22.30
HIGH	Q16	21.81			22.30
LOW	Q16	21.81			22.30
LOW	64QAM	21.75			22.30
MID	64QAM	22.29			22.30
HIGH	64QAM	21.79			22.30
LOW	64QAM	21.03			21.30
MID	64QAM	20.83			21.30
HIGH	64QAM	20.77			21.30
LOW	64QAM	20.82			21.30

## 8.3.6 LTE Band66 Output Power

LTE B66-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.89	22.79	22.86	23.80	
		MID	QPSK	22.95	22.71	22.98	23.80	
		HIGH	QPSK	22.95	22.75	22.93	23.80	
	3	LOW	QPSK	22.83	22.89	23.00	23.80	
		MID	QPSK	22.87	22.68	23.01	23.80	
		HIGH	QPSK	22.89	22.78	23.01	23.80	
	6	LOW	QPSK	21.86	21.79	21.85	22.80	
		1	LOW	Q16	21.97	21.75	21.84	22.80
			MID	Q16	21.88	21.78	21.91	22.80
HIGH	Q16		21.74	21.64	21.83	22.80		
3	LOW	Q16	21.66	21.39	21.99	22.80		
	MID	Q16	21.63	21.43	21.98	22.80		
	HIGH	Q16	21.69	21.36	21.91	22.80		
6	LOW	Q16	20.52	20.56	20.86	21.80		
	1	LOW	64QAM	20.94	20.69	20.87	21.80	
		MID	64QAM	21.02	20.87	20.47	21.80	
HIGH		64QAM	20.91	20.39	20.73	21.80		
3	LOW	64QAM	20.81	20.69	20.89	21.80		
	MID	64QAM	21.32	20.82	20.56	21.80		
	HIGH	64QAM	20.66	20.13	20.73	21.80		
6	LOW	64QAM	19.70	19.91	20.00	20.80		
	3	1	LOW	QPSK	22.97	22.89	22.61	23.80
			MID	QPSK	23.03	23.26	22.99	23.80
HIGH			QPSK	22.80	22.94	22.58	23.80	
8		LOW	QPSK	21.98	21.96	21.83	22.80	
		MID	QPSK	21.79	21.83	21.91	22.80	
		HIGH	QPSK	21.82	21.94	21.86	22.80	
15		LOW	QPSK	21.98	21.93	21.75	22.80	
		1	LOW	Q16	22.02	21.80	21.84	22.80
			MID	Q16	22.24	21.86	21.57	22.80
HIGH	Q16		21.75	21.33	21.75	22.80		
8	LOW	Q16	20.88	20.92	20.87	21.80		
	MID	Q16	20.73	20.75	20.88	21.80		
	HIGH	Q16	20.97	20.73	20.73	21.80		
15	LOW	Q16	20.73	20.80	20.78	21.80		
	1	LOW	64QAM	20.92	20.72	20.96	21.80	
		MID	64QAM	21.18	20.99	20.53	21.80	
HIGH		64QAM	20.76	20.36	20.55	21.80		
8	LOW	64QAM	19.66	19.97	19.80	20.80		
	MID	64QAM	19.94	19.76	19.79	20.80		
	HIGH	64QAM	19.81	19.79	19.70	20.80		
15	LOW	64QAM	19.66	20.00	20.05	20.80		
	5	1	LOW	QPSK	23.01	23.05	22.68	23.80
			MID	QPSK	22.84	23.33	23.12	23.80
HIGH			QPSK	22.61	22.93	22.62	23.80	
12		LOW	QPSK	22.00	21.81	22.01	22.80	
		MID	QPSK	21.80	21.78	22.05	22.80	
		HIGH	QPSK	21.91	21.70	21.70	22.80	
25		LOW	QPSK	21.74	22.00	21.79	22.80	
		1	LOW	Q16	22.18	21.88	21.90	22.80
			MID	Q16	22.22	21.86	21.39	22.80
HIGH	Q16		22.01	21.12	21.80	22.80		
12	LOW	Q16	20.95	20.90	20.76	21.80		
	MID	Q16	20.91	20.88	20.87	21.80		
	HIGH	Q16	20.83	20.74	20.76	21.80		
25	LOW	Q16	20.87	20.78	20.84	21.80		
	1	LOW	64QAM	20.96	20.75	21.11	21.80	
		MID	64QAM	21.25	20.76	20.74	21.80	
HIGH		64QAM	20.90	20.37	20.77	21.80		
12	LOW	64QAM	19.77	19.72	19.80	20.80		
	MID	64QAM	20.07	19.87	19.63	20.80		
	HIGH	64QAM	19.72	19.79	19.54	20.80		
25	LOW	64QAM	19.69	20.00	19.99	20.80		

LTE B66-Full Power -Ant.1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)			
10	1	LOW	QPSK	22.94	22.82	22.57	23.80			
		MID	QPSK	22.84	23.25	23.00	23.80			
		HIGH	QPSK	22.53	23.05	22.42	23.80			
	25	LOW	QPSK	21.85	21.83	21.91	22.80			
		MID	QPSK	21.78	21.79	21.84	22.80			
		HIGH	QPSK	21.83	21.70	22.00	22.80			
	50	LOW	QPSK	21.94	21.85	21.96	22.80			
	10	1	LOW	Q16	21.97	21.94	21.93	22.80		
			MID	Q16	22.00	21.84	21.47	22.80		
HIGH			Q16	21.94	21.34	21.70	22.80			
25		LOW	Q16	20.76	21.04	20.74	21.80			
		MID	Q16	20.93	20.86	20.70	21.80			
		HIGH	Q16	20.80	20.66	20.71	21.80			
50		LOW	Q16	20.84	20.75	20.82	21.80			
10		1	LOW	64QAM	20.84	20.82	20.93	21.80		
			MID	64QAM	21.32	20.78	20.55	21.80		
	HIGH		64QAM	20.66	20.27	20.63	21.80			
	25	LOW	64QAM	19.75	19.96	19.71	20.80			
		MID	64QAM	19.99	19.87	19.64	20.80			
		HIGH	64QAM	19.82	19.80	19.54	20.80			
	50	LOW	64QAM	19.75	19.91	19.76	20.80			
	15	15	1	LOW	QPSK	23.12	22.99	22.74	23.80	
				MID	QPSK	22.79	23.38	23.01	23.80	
HIGH				QPSK	22.59	23.03	22.44	23.80		
36			LOW	QPSK	21.78	21.83	22.00	22.80		
			MID	QPSK	21.92	21.84	21.93	22.80		
			HIGH	QPSK	21.75	21.80	21.70	22.80		
75			LOW	QPSK	21.73	21.94	21.91	22.80		
15			1	LOW	Q16	22.18	21.88	21.92	22.80	
				MID	Q16	22.11	21.61	21.38	22.80	
		HIGH		Q16	21.82	21.17	21.69	22.80		
		36	LOW	Q16	20.76	21.06	20.72	21.80		
			MID	Q16	20.89	20.94	20.77	21.80		
			HIGH	Q16	20.96	20.93	20.87	21.80		
		75	LOW	Q16	20.78	20.87	20.89	21.80		
		15	1	LOW	64QAM	21.09	20.90	21.00	21.80	
				MID	64QAM	21.17	21.04	20.67	21.80	
HIGH				64QAM	20.78	20.39	20.54	21.80		
36			LOW	64QAM	19.77	19.96	19.75	20.80		
			MID	64QAM	19.91	19.72	19.82	20.80		
			HIGH	64QAM	19.98	19.84	19.75	20.80		
75			LOW	64QAM	19.80	19.75	19.83	20.80		
20			20	1	LOW	QPSK	22.97	22.97	22.59	23.80
					MID	QPSK	22.89	23.28	23.09	23.80
		HIGH			QPSK	22.65	22.91	22.56	23.80	
		50		LOW	QPSK	21.89	21.94	21.96	22.80	
				MID	QPSK	21.85	21.89	21.93	22.80	
				HIGH	QPSK	21.81	21.81	21.85	22.80	
	100	LOW		QPSK	21.86	21.91	21.86	22.80		
	20	1		LOW	Q16	22.09	21.89	21.94	22.80	
				MID	Q16	22.10	21.75	21.50	22.80	
			HIGH	Q16	21.88	21.27	21.76	22.80		
		50	LOW	Q16	20.82	20.96	20.85	21.80		
			MID	Q16	20.88	20.82	20.84	21.80		
			HIGH	Q16	20.84	20.83	20.77	21.80		
		100	LOW	Q16	20.80	20.77	20.80	21.80		
		20	1	LOW	64QAM	20.95	20.83	20.98	21.80	
				MID	64QAM	21.17	20.89	20.60	21.80	
	HIGH			64QAM	20.81	20.28	20.67	21.80		
	50		LOW	64QAM	19.74	19.87	19.74	20.80		
			MID	64QAM	20.00	19.77	19.75	20.80		
			HIGH	64QAM	19.86	19.70	19.66	20.80		
	100		LOW	64QAM	19.75	19.86	19.90	20.80		

## 8.3.6 LTE Band66 Output Power

LTE B66-State1 -Ant.1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)			
1.4	1	LOW	QPSK	19.67	20.07	19.81	20.80			
		MID	QPSK	20.16	20.00	20.23	20.80			
		HIGH	QPSK	19.93	20.22	19.60	20.80			
	3	LOW	QPSK	19.97	19.78	19.84	20.80			
		MID	QPSK	19.95	19.74	19.84	20.80			
		HIGH	QPSK	19.90	19.84	19.97	20.80			
	6	LOW	QPSK	19.82	19.98	20.07	20.80			
	1.4	1	LOW	Q16	20.20	19.91	19.57	20.80		
			MID	Q16	20.26	19.59	19.87	20.80		
HIGH			Q16	19.79	19.28	19.61	20.80			
3		LOW	Q16	19.72	19.76	19.71	20.80			
		MID	Q16	20.00	19.63	19.84	20.80			
		HIGH	Q16	19.63	19.51	19.85	20.80			
6		LOW	Q16	19.91	20.07	19.66	20.80			
1.4		1	LOW	64QAM	20.42	19.69	19.70	20.80		
			MID	64QAM	20.29	19.63	19.80	20.80		
	HIGH		64QAM	19.57	19.26	19.75	20.80			
	3	LOW	64QAM	20.34	19.78	19.65	20.80			
		MID	64QAM	20.24	19.49	19.75	20.80			
		HIGH	64QAM	19.58	19.21	19.48	20.80			
	6	LOW	64QAM	19.97	20.20	19.65	20.80			
	3	3	1	LOW	QPSK	19.78	20.22	19.69	20.80	
				MID	QPSK	20.15	19.85	20.16	20.80	
HIGH				QPSK	19.86	20.14	19.80	20.80		
8			LOW	QPSK	19.86	19.75	19.81	20.80		
			MID	QPSK	19.92	19.94	19.75	20.80		
			HIGH	QPSK	19.62	19.84	19.79	20.80		
15			LOW	QPSK	19.77	19.99	19.86	20.80		
3			1	LOW	Q16	20.31	19.73	19.64	20.80	
				MID	Q16	20.35	19.42	19.81	20.80	
		HIGH		Q16	19.75	19.06	19.54	20.80		
		8	LOW	Q16	19.77	19.69	19.74	20.80		
			MID	Q16	19.98	19.59	19.83	20.80		
			HIGH	Q16	19.68	19.57	19.77	20.80		
		15	LOW	Q16	19.96	20.00	19.87	20.80		
		3	1	LOW	64QAM	20.41	19.67	19.65	20.80	
				MID	64QAM	20.03	19.53	19.72	20.80	
HIGH				64QAM	19.60	19.26	19.73	20.80		
8			LOW	64QAM	19.62	19.77	19.88	20.80		
			MID	64QAM	19.98	19.91	19.57	20.80		
			HIGH	64QAM	19.79	19.66	19.72	20.80		
15			LOW	64QAM	19.85	20.10	19.77	20.80		
5			5	1	LOW	QPSK	19.82	20.21	19.76	20.80
					MID	QPSK	19.98	19.90	20.13	20.80
		HIGH			QPSK	19.92	20.19	19.65	20.80	
		12		LOW	QPSK	19.67	19.76	19.70	20.80	
				MID	QPSK	19.70	19.81	19.98	20.80	
				HIGH	QPSK	19.64	20.01	19.78	20.80	
	25	LOW		QPSK	19.75	19.82	20.07	20.80		
	5	1		LOW	Q16	20.26	19.93	19.74	20.80	
				MID	Q16	20.26	19.65	19.64	20.80	
			HIGH	Q16	19.77	19.18	19.37	20.80		
		12	LOW	Q16	19.79	19.70	19.85	20.80		
			MID	Q16	19.95	19.66	19.92	20.80		
			HIGH	Q16	19.74	19.75	19.84	20.80		
		25	LOW	Q16	19.71	19.82	19.78	20.80		
		5	1	LOW	64QAM	20.34	19.84	19.60	20.80	
				MID	64QAM	20.03	19.59	19.89	20.80	
	HIGH			64QAM	19.58	19.29	19.67	20.80		
	12		LOW	64QAM	19.49	19.86	19.96	20.80		
			MID	64QAM	20.18	19.80	19.82	20.80		
			HIGH	64QAM	19.83	19.72	19.69	20.80		
	25		LOW	64QAM	19.98	20.05	19.69	20.80		

LTE B66-State1 -Ant.1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)			
10	1	LOW	QPSK	19.61	20.25	19.85	20.80			
		MID	QPSK	20.02	19.98	20.22	20.80			
		HIGH	QPSK	19.67	20.14	19.78	20.80			
	25	LOW	QPSK	19.86	20.01	19.83	20.80			
		MID	QPSK	19.79	19.83	19.95	20.80			
		HIGH	QPSK	19.65	19.97	19.78	20.80			
	50	LOW	QPSK	19.83	20.04	19.83	20.80			
	10	1	LOW	Q16	20.36	19.71	19.55	20.80		
			MID	Q16	20.30	19.47	19.72	20.80		
HIGH			Q16	19.85	19.10	19.49	20.80			
25		LOW	Q16	19.85	19.64	19.91	20.80			
		MID	Q16	19.87	19.80	19.64	20.80			
		HIGH	Q16	19.78	19.74	19.62	20.80			
50		LOW	Q16	19.93	19.95	19.61	20.80			
10		1	LOW	64QAM	20.20	19.75	19.52	20.80		
			MID	64QAM	20.26	19.58	19.77	20.80		
	HIGH		64QAM	19.67	19.20	19.65	20.80			
	25	LOW	64QAM	19.62	19.59	19.89	20.80			
		MID	64QAM	20.10	19.92	19.67	20.80			
		HIGH	64QAM	19.86	19.61	19.61	20.80			
	50	LOW	64QAM	19.78	19.98	19.80	20.80			
	15	15	1	LOW	QPSK	19.64	20.24	19.80	20.80	
				MID	QPSK	20.20	20.14	20.12	20.80	
HIGH				QPSK	19.72	19.96	19.54	20.80		
36			LOW	QPSK	19.74	19.99	19.87	20.80		
			MID	QPSK	19.76	19.75	19.87	20.80		
			HIGH	QPSK	19.87	19.82	19.96	20.80		
75			LOW	QPSK	20.02	19.95	19.79	20.80		
15			1	LOW	Q16	20.29	19.74	19.49	20.80	
				MID	Q16	20.37	19.55	19.87	20.80	
		HIGH		Q16	19.71	19.15	19.50	20.80		
		36	LOW	Q16	19.82	19.83	19.73	20.80		
			MID	Q16	20.06	19.78	19.90	20.80		
			HIGH	Q16	19.76	19.52	19.71	20.80		
		75	LOW	Q16	19.72	19.96	19.74	20.80		
		15	1	LOW	64QAM	20.34	19.92	19.66	20.80	
				MID	64QAM	20.25	19.54	19.76	20.80	
HIGH				64QAM	19.82	19.31	19.82	20.80		
36			LOW	64QAM	19.58	19.62	19.81	20.80		
			MID	64QAM	19.92	19.83	19.60	20.80		
			HIGH	64QAM	19.69	19.55	19.69	20.80		
75			LOW	64QAM	19.93	20.17	19.67	20.80		
20			20	1	LOW	QPSK	19.70	20.13	19.70	20.80
					MID	QPSK	20.09	19.99	20.09	20.80
		HIGH			QPSK	19.79	20.08	19.66	20.80	
		50		LOW	QPSK	19.82	19.90	19.82	20.80	
				MID	QPSK	19.82	19.91	19.86	20.80	
				HIGH	QPSK	19.75	19.90	19.83	20.80	
	100	LOW		QPSK	19.87	19.89	19.93	20.80		
	20	1		LOW	Q16	20.29	19.82	19.61	20.80	
				MID	Q16	20.25	19.54	19.79	20.80	
			HIGH	Q16	19.74	19.15	19.48	20.80		
		50	LOW	Q16	19.77	19.71	19.81	20.80		
			MID	Q16	20.01	19.69	19.78	20.80		
			HIGH	Q16	19.76	19.66	19.72	20.80		
		100	LOW	Q16	19.85	19.93	19.75	20.80		
		20	1	LOW	64QAM	20.28	19.79	19.63	20.80	
				MID	64QAM	20.17	19.64	19.82	20.80	
	HIGH			64QAM	19.59	19.16	19.80	20.80		
	50		LOW	64QAM	19.63	19.73	19.89	20.80		
			MID	64QAM	20.03	19.78	19.70	20.80		
			HIGH	64QAM	19.79	19.68	19.65	20.80		
	100		LOW	64QAM	19.92	20.05	19.74	20.80		

## 8.3.6 LTE Band66 Output Power

LTE B66-State2&3 -Ant.1									
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)		
1.4	1	LOW	QPSK	19.13	19.44	19.18	20.30		
		MID	QPSK	19.33	19.78	19.54	20.30		
		HIGH	QPSK	19.05	19.41	18.99	20.30		
	3	LOW	QPSK	19.45	19.23	19.33	20.30		
		MID	QPSK	19.23	19.52	19.20	20.30		
		HIGH	QPSK	19.31	19.45	19.36	20.30		
	6	LOW	QPSK	19.37	19.46	19.37	20.30		
		LOW	Q16	19.57	19.28	19.13	20.30		
		MID	Q16	19.48	19.01	18.98	20.30		
1.4	1	HIGH	Q16	19.10	18.96	18.84	20.30		
		LOW	Q16	19.30	19.41	18.89	20.30		
		MID	Q16	19.34	19.45	19.02	20.30		
	3	HIGH	Q16	19.24	19.18	18.89	20.30		
		LOW	Q16	19.34	19.11	19.20	20.30		
		LOW	64QAM	19.42	19.29	18.88	20.30		
	1.4	1	MID	64QAM	19.35	19.16	19.05	20.30	
			HIGH	64QAM	19.16	19.14	18.96	20.30	
			LOW	64QAM	19.59	19.48	19.06	20.30	
3		MID	64QAM	19.45	19.15	19.25	20.30		
		HIGH	64QAM	19.01	18.90	18.89	20.30		
		LOW	64QAM	19.27	19.48	18.97	20.30		
3	3	1	LOW	QPSK	19.26	19.58	19.05	20.30	
			MID	QPSK	19.37	19.84	19.47	20.30	
			HIGH	QPSK	19.16	19.37	19.16	20.30	
		8	LOW	QPSK	19.28	19.32	19.34	20.30	
			MID	QPSK	19.36	19.32	19.31	20.30	
			HIGH	QPSK	19.42	19.25	19.20	20.30	
		15	LOW	QPSK	19.20	19.29	19.21	20.30	
			LOW	Q16	19.55	19.38	19.18	20.30	
			MID	Q16	19.38	19.07	19.26	20.30	
	3	1	HIGH	Q16	19.06	19.08	18.96	20.30	
			LOW	Q16	19.37	19.52	19.03	20.30	
			MID	Q16	19.23	19.41	19.12	20.30	
		8	HIGH	Q16	19.19	19.42	18.82	20.30	
			LOW	Q16	19.23	19.18	19.10	20.30	
			LOW	64QAM	19.49	19.34	19.06	20.30	
		3	1	MID	64QAM	19.46	19.12	19.08	20.30
				HIGH	64QAM	19.04	19.07	18.81	20.30
				LOW	64QAM	19.08	19.37	18.94	20.30
	8		MID	64QAM	19.17	19.59	18.85	20.30	
			HIGH	64QAM	19.57	19.27	19.01	20.30	
			LOW	64QAM	19.49	19.37	18.96	20.30	
	5	5	1	LOW	QPSK	19.07	19.54	19.13	20.30
				MID	QPSK	19.58	19.81	19.53	20.30
				HIGH	QPSK	19.13	19.39	19.25	20.30
			12	LOW	QPSK	19.40	19.29	19.20	20.30
				MID	QPSK	19.40	19.33	19.31	20.30
				HIGH	QPSK	19.36	19.50	19.18	20.30
25			LOW	QPSK	19.36	19.28	19.45	20.30	
			LOW	Q16	19.38	19.36	19.10	20.30	
			MID	Q16	19.60	19.04	19.12	20.30	
5		1	HIGH	Q16	19.07	19.01	19.01	20.30	
			LOW	Q16	19.31	19.34	19.13	20.30	
			MID	Q16	19.36	19.43	19.03	20.30	
		12	HIGH	Q16	19.27	19.18	18.94	20.30	
			LOW	Q16	19.17	19.15	19.21	20.30	
			LOW	64QAM	19.47	19.52	18.94	20.30	
		5	1	MID	64QAM	19.37	19.00	19.30	20.30
				HIGH	64QAM	19.14	19.18	18.67	20.30
				LOW	64QAM	19.29	19.43	18.84	20.30
12			MID	64QAM	19.15	19.64	18.81	20.30	
			HIGH	64QAM	19.50	19.38	18.99	20.30	
			LOW	64QAM	19.36	19.30	19.03	20.30	

LTE B66-State2&3 -Ant.1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)			
10	1	LOW	QPSK	19.34	19.55	19.21	20.30			
		MID	QPSK	19.41	19.76	19.39	20.30			
		HIGH	QPSK	19.17	19.40	19.20	20.30			
	25	LOW	QPSK	19.45	19.40	19.36	20.30			
		MID	QPSK	19.14	19.50	19.42	20.30			
		HIGH	QPSK	19.40	19.46	19.38	20.30			
	50	LOW	QPSK	19.24	19.29	19.37	20.30			
	10	1	LOW	Q16	19.53	19.23	19.15	20.30		
			MID	Q16	19.35	19.25	18.98	20.30		
HIGH			Q16	19.11	18.87	18.78	20.30			
25		LOW	Q16	19.26	19.41	18.95	20.30			
		MID	Q16	19.51	19.34	19.02	20.30			
		HIGH	Q16	19.43	19.41	18.90	20.30			
50		LOW	Q16	19.23	19.18	19.15	20.30			
10		1	LOW	64QAM	19.62	19.23	18.94	20.30		
			MID	64QAM	19.32	19.12	19.05	20.30		
	HIGH		64QAM	19.10	19.00	18.74	20.30			
	25	LOW	64QAM	19.28	19.62	18.90	20.30			
		MID	64QAM	19.22	19.41	18.93	20.30			
		HIGH	64QAM	19.40	19.16	19.06	20.30			
	50	LOW	64QAM	19.27	19.36	19.03	20.30			
	15	15	1	LOW	QPSK	19.06	19.39	18.97	20.30	
				MID	QPSK	19.55	19.68	19.40	20.30	
HIGH				QPSK	19.19	19.46	19.16	20.30		
36			LOW	QPSK	19.33	19.37	19.22	20.30		
			MID	QPSK	19.24	19.38	19.36	20.30		
			HIGH	QPSK	19.40	19.51	19.31	20.30		
75			LOW	QPSK	19.26	19.43	19.45	20.30		
15			1	LOW	Q16	19.56	19.38	19.14	20.30	
				MID	Q16	19.59	19.12	18.99	20.30	
		HIGH		Q16	19.09	18.99	18.83	20.30		
		36	LOW	Q16	19.38	19.58	18.97	20.30		
			MID	Q16	19.42	19.61	18.93	20.30		
			HIGH	Q16	19.39	19.31	18.96	20.30		
		75	LOW	Q16	19.26	19.21	19.17	20.30		
		15	1	LOW	64QAM	19.42	19.27	19.15	20.30	
				MID	64QAM	19.31	18.93	19.14	20.30	
HIGH				64QAM	19.09	19.07	18.82	20.30		
36			LOW	64QAM	19.26	19.37	18.77	20.30		
			MID	64QAM	19.27	19.66	18.95	20.30		
			HIGH	64QAM	19.40	19.35	18.93	20.30		
75			LOW	64QAM	19.36	19.46	19.07	20.30		
20			20	1	LOW	QPSK	19.21	19.48	19.09	20.30
					MID	QPSK	19.44	<b>19.69</b>	19.52	20.30
		HIGH			QPSK	19.16	19.42	19.14	20.30	
		50		LOW	QPSK	19.38	19.35	19.31	20.30	
				MID	QPSK	19.29	<b>19.38</b>	19.31	20.30	
				HIGH	QPSK	19.29	19.36	19.32	20.30	
	100	LOW		QPSK	19.32	19.38	19.32	20.30		
	20	1		LOW	Q16	19.48	19.23	19.12	20.30	
				MID	Q16	19.48	19.11	19.12	20.30	
			HIGH	Q16	19.12	18.96	18.88	20.30		
		50	LOW	Q16	19.34	19.48	19.00	20.30		
			MID	Q16	19.38	19.47	18.97	20.30		
			HIGH	Q16	19.34	19.32	18.90	20.30		
		100	LOW	Q16	19.28	19.20	19.12	20.30		
		20	1	LOW	64QAM	19.52	19.37	19.03	20.30	
				MID	64QAM	19.36	19.04	19.18	20.30	
	HIGH			64QAM	19.11	19.05	18.82	20.30		
	50		LOW	64QAM	19.21	19.50	18.89	20.30		
			MID	64QAM	19.29	19.51	18.89	20.30		
			HIGH	64QAM	19.45	19.30	18.96	20.30		
	100		LOW	64QAM	19.38	19.35	19.10	20.30		



## 8.3.6 LTE Band66 Output Power

LTE B66-State4 -Ant.1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)			
1.4	1	LOW	QPSK	18.11	18.47	18.03	18.80			
		MID	QPSK	18.06	18.53	18.11	18.80			
		HIGH	QPSK	17.70	18.04	17.78	18.80			
	3	LOW	QPSK	18.17	18.01	17.95	18.80			
		MID	QPSK	18.05	18.25	18.13	18.80			
		HIGH	QPSK	18.17	18.13	17.98	18.80			
	6	LOW	QPSK	18.17	18.25	17.94	18.80			
	1.4	1	LOW	Q16	18.62	18.73	17.93	18.80		
			MID	Q16	18.51	18.03	18.24	18.80		
HIGH			Q16	17.58	17.43	17.82	18.80			
3		LOW	Q16	18.09	18.22	18.13	18.80			
		MID	Q16	17.99	18.06	18.03	18.80			
		HIGH	Q16	17.99	17.99	17.98	18.80			
6		LOW	Q16	18.19	18.13	18.05	18.80			
1.4		1	LOW	64QAM	18.31	18.18	17.84	18.80		
			MID	64QAM	18.44	17.89	18.02	18.80		
	HIGH		64QAM	17.64	17.24	17.73	18.80			
	3	LOW	64QAM	18.30	18.77	18.04	18.80			
		MID	64QAM	18.69	17.88	18.17	18.80			
		HIGH	64QAM	17.64	17.24	17.64	18.80			
	6	LOW	64QAM	18.14	18.21	17.84	18.80			
	3	3	1	LOW	QPSK	18.21	18.46	18.03	18.80	
				MID	QPSK	18.14	18.39	18.10	18.80	
HIGH				QPSK	17.87	17.92	18.03	18.80		
8			LOW	QPSK	18.05	18.25	18.10	18.80		
			MID	QPSK	18.24	18.07	18.11	18.80		
			HIGH	QPSK	17.96	18.18	17.88	18.80		
15			LOW	QPSK	18.21	18.18	18.09	18.80		
3			1	LOW	Q16	18.72	18.77	17.86	18.80	
				MID	Q16	18.54	17.92	18.16	18.80	
		HIGH		Q16	17.54	17.52	17.79	18.80		
		8	LOW	Q16	18.09	18.28	18.02	18.80		
			MID	Q16	18.06	18.00	17.94	18.80		
			HIGH	Q16	18.09	18.00	18.01	18.80		
		15	LOW	Q16	17.98	18.17	17.99	18.80		
		3	1	LOW	64QAM	18.75	18.51	17.94	18.80	
				MID	64QAM	18.60	17.89	18.29	18.80	
HIGH				64QAM	17.51	17.34	17.57	18.80		
8			LOW	64QAM	18.31	18.19	17.87	18.80		
			MID	64QAM	18.01	18.10	18.02	18.80		
			HIGH	64QAM	18.04	17.99	17.87	18.80		
15			LOW	64QAM	17.93	18.02	18.13	18.80		
5			5	1	LOW	QPSK	18.05	18.50	17.94	18.80
					MID	QPSK	18.14	18.51	18.19	18.80
		HIGH			QPSK	17.67	17.91	17.94	18.80	
		12		LOW	QPSK	18.27	18.16	17.98	18.80	
				MID	QPSK	18.07	18.11	18.06	18.80	
				HIGH	QPSK	18.07	18.19	18.15	18.80	
	25	LOW		QPSK	18.15	18.22	18.19	18.80		
	5	1		LOW	Q16	18.62	18.80	17.84	18.80	
				MID	Q16	18.30	17.91	18.29	18.80	
			HIGH	Q16	17.59	17.40	17.71	18.80		
		12	LOW	Q16	18.01	18.27	18.20	18.80		
			MID	Q16	18.11	18.15	18.09	18.80		
			HIGH	Q16	18.09	17.94	17.93	18.80		
		25	LOW	Q16	18.17	18.01	17.98	18.80		
		5	1	LOW	64QAM	18.43	18.78	17.86	18.80	
				MID	64QAM	18.50	18.03	18.04	18.80	
	HIGH			64QAM	17.65	17.35	17.61	18.80		
	12		LOW	64QAM	18.20	18.11	18.06	18.80		
			MID	64QAM	17.81	17.93	18.07	18.80		
			HIGH	64QAM	17.91	18.11	17.86	18.80		
	25		LOW	64QAM	18.00	18.04	18.09	18.80		

LTE B66-State4 -Ant.1									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	18.01	18.35	17.97	18.80		
		MID	QPSK	17.97	18.49	18.03	18.80		
		HIGH	QPSK	17.69	18.13	17.81	18.80		
	25	LOW	QPSK	18.06	17.95	17.97	18.80		
		MID	QPSK	18.09	18.17	18.23	18.80		
		HIGH	QPSK	17.93	18.22	18.08	18.80		
	50	LOW	QPSK	18.13	18.18	17.96	18.80		
	10	1	LOW	Q16	18.60	18.61	17.80	18.80	
			MID	Q16	18.34	18.02	18.02	18.80	
HIGH			Q16	17.48	17.35	17.77	18.80		
25		LOW	Q16	18.06	18.28	17.96	18.80		
		MID	Q16	17.99	17.99	18.00	18.80		
		HIGH	Q16	18.05	18.16	17.90	18.80		
50		LOW	Q16	18.10	18.09	17.88	18.80		
10		1	LOW	64QAM	18.47	18.56	18.05	18.80	
			MID	64QAM	18.70	18.06	18.21	18.80	
	HIGH		64QAM	17.46	17.35	17.75	18.80		
	25	LOW	64QAM	18.20	18.05	18.14	18.80		
		MID	64QAM	17.98	17.97	17.89	18.80		
		HIGH	64QAM	17.84	18.04	18.00	18.80		
	50	LOW	64QAM	18.17	18.14	17.91	18.80		
	15	15	1	LOW	QPSK	18.02	18.56	17.97	18.80
				MID	QPSK	18.20	18.46	18.21	18.80
HIGH				QPSK	17.79	18.12	17.95	18.80	
36			LOW	QPSK	18.28	18.04	17.95	18.80	
			MID	QPSK	18.22	18.05	18.14	18.80	
			HIGH	QPSK	17.91	18.21	18.13	18.80	
75			LOW	QPSK	18.19	18.09	18.20	18.80	
15			1	LOW	Q16	18.45	18.79	17.87	18.80
				MID	Q16	18.34	17.82	18.24	18.80
		HIGH		Q16	17.41	17.55	17.92	18.80	
		36	LOW	Q16	17.94	18.05	17.97	18.80	
			MID	Q16	18.10	18.07	18.12	18.80	
			HIGH	Q16	17.92	17.97	17.87	18.80	
		75	LOW	Q16	18.15	18.02	18.13	18.80	
		15	1	LOW	64QAM	18.41	18.25	17.89	18.80
				MID	64QAM	18.73	17.96	18.25	18.80
HIGH				64QAM	17.64	17.47	17.83	18.80	
36			LOW	64QAM	18.33	18.18	17.96	18.80	
	MID		64QAM	18.03	18.05	18.07	18.80		
	HIGH		64QAM	18.07	18.24	17.81	18.80		
75	LOW		64QAM	17.92	18.18	17.86	18.80		
20	20		1	LOW	QPSK	18.13	18.42	18.07	18.80
				MID	QPSK	18.11	<b>18.43</b>	18.17	18.80
		HIGH		QPSK	17.78	18.01	17.89	18.80	
		50	LOW	QPSK	18.14	18.10	18.08	18.80	
			MID	QPSK	18.12	<b>18.15</b>	18.09	18.80	
			HIGH	QPSK	18.02	18.10	18.03	18.80	
		100	LOW	QPSK	18.11	18.11	18.07	18.80	
		20	1	LOW	Q16	18.57	18.74	17.91	18.80
				MID	Q16	18.44	17.92	18.14	18.80
	HIGH			Q16	17.46	17.41	17.86	18.80	
	50		LOW	Q16	18.08	18.15	18.05	18.80	
			MID	Q16	18.00	18.12	18.02	18.80	
			HIGH	Q16	17.96	18.05	17.98	18.80	
	100		LOW	Q16	18.08	18.10	18.03	18.80	
	20		1	LOW	64QAM	18.42	18.66	17.98	18.80
				MID	64QAM	18.59	17.92	18.14	18.80
		HIGH		64QAM	17.58	17.38	17.72	18.80	
		50	LOW	64QAM	18.22	18.20	18.01	18.80	
MID			64QAM	17.94	18.05	17.92	18.80		
HIGH			64QAM	17.92	18.12	17.96	18.80		
100		LOW	64QAM	18.06	18.14	17.98	18.80		

## 8.3.6 LTE Band66 Output Power

LTE B66-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.34	23.19	23.13	23.80
		MID	QPSK	23.28	23.14	23.19	23.80
		HIGH	QPSK	23.20	23.24	23.14	23.80
	3	LOW	QPSK	23.25	23.04	23.21	23.80
		MID	QPSK	23.18	23.19	23.22	23.80
		HIGH	QPSK	23.22	23.21	23.13	23.80
6	LOW	QPSK	22.23	22.19	22.25	22.80	
1.4	1	LOW	Q16	22.16	22.31	22.05	22.80
		MID	Q16	22.03	22.26	22.06	22.80
		HIGH	Q16	22.12	22.22	22.15	22.80
	3	LOW	Q16	22.36	21.78	22.54	22.80
		MID	Q16	22.26	21.70	22.45	22.80
		HIGH	Q16	22.23	21.69	22.38	22.80
6	LOW	Q16	20.96	20.91	21.37	21.80	
1.4	1	LOW	64QAM	21.44	21.38	20.92	21.80
		MID	64QAM	21.78	21.28	20.77	21.80
		HIGH	64QAM	21.47	20.63	20.63	21.80
	3	LOW	64QAM	21.44	21.31	20.83	21.80
		MID	64QAM	21.71	21.28	20.79	21.80
		HIGH	64QAM	21.42	20.56	20.66	21.80
6	LOW	64QAM	20.14	20.06	20.05	20.80	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	22.98	23.30	22.87	23.80
		MID	QPSK	23.44	23.41	23.54	23.80
		HIGH	QPSK	22.87	23.10	23.17	23.80
	8	LOW	QPSK	22.26	22.14	22.28	22.80
		MID	QPSK	22.25	22.21	22.32	22.80
	15	LOW	QPSK	22.17	22.35	22.25	22.80
3	1	LOW	Q16	22.32	22.44	21.88	22.80
		MID	Q16	22.70	22.24	21.93	22.80
		HIGH	Q16	22.06	21.49	21.75	22.80
	8	LOW	Q16	21.18	21.33	21.11	21.80
		MID	Q16	21.05	21.19	21.05	21.80
		HIGH	Q16	21.02	21.01	21.20	21.80
15	LOW	Q16	21.04	21.21	20.90	21.80	
3	1	LOW	64QAM	21.28	21.43	20.97	21.80
		MID	64QAM	21.62	21.33	20.78	21.80
		HIGH	64QAM	21.43	20.57	20.79	21.80
	8	LOW	64QAM	20.13	19.98	19.96	20.80
		MID	64QAM	19.80	20.05	20.16	20.80
		HIGH	64QAM	19.91	20.16	20.32	20.80
15	LOW	64QAM	20.28	19.88	20.06	20.80	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	23.20	23.15	22.91	23.80
		MID	QPSK	23.37	23.39	23.29	23.80
		HIGH	QPSK	23.06	23.24	23.32	23.80
	12	LOW	QPSK	22.23	22.35	22.09	22.80
		MID	QPSK	22.21	22.20	22.19	22.80
		HIGH	QPSK	22.15	22.14	22.30	22.80
25	LOW	QPSK	22.13	22.24	22.13	22.80	
5	1	LOW	Q16	22.51	22.28	21.71	22.80
		MID	Q16	21.77	22.29	21.87	22.80
		HIGH	Q16	22.23	21.49	21.92	22.80
	12	LOW	Q16	21.08	21.16	21.24	21.80
		MID	Q16	21.04	21.03	21.12	21.80
		HIGH	Q16	20.82	20.98	21.00	21.80
25	LOW	Q16	21.21	21.28	21.09	21.80	
5	1	LOW	64QAM	21.51	21.41	20.98	21.80
		MID	64QAM	21.65	21.07	20.76	21.80
		HIGH	64QAM	21.39	20.61	20.82	21.80
	12	LOW	64QAM	20.00	20.24	20.11	20.80
		MID	64QAM	19.81	19.90	20.21	20.80
		HIGH	64QAM	19.86	20.02	20.24	20.80
25	LOW	64QAM	20.12	20.15	20.05	20.80	

LTE B66-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	23.16	23.43	22.98	23.80
		MID	QPSK	23.31	23.64	23.29	23.80
		HIGH	QPSK	23.07	23.04	23.07	23.80
	25	LOW	QPSK	22.31	22.10	22.12	22.80
		MID	QPSK	22.30	22.15	22.14	22.80
		HIGH	QPSK	22.22	22.36	22.20	22.80
50	LOW	QPSK	22.31	22.42	22.12	22.80	
10	1	LOW	Q16	22.27	22.24	21.77	22.80
		MID	Q16	22.55	22.18	21.69	22.80
		HIGH	Q16	22.18	21.62	21.73	22.80
	25	LOW	Q16	21.02	21.32	21.22	21.80
		MID	Q16	21.08	21.18	21.29	21.80
		HIGH	Q16	21.07	21.16	21.02	21.80
50	LOW	Q16	21.19	21.05	20.95	21.80	
10	1	LOW	64QAM	21.31	21.47	20.87	21.80
		MID	64QAM	21.75	21.26	20.90	21.80
		HIGH	64QAM	21.35	20.63	20.67	21.80
	25	LOW	64QAM	20.16	19.97	20.05	20.80
		MID	64QAM	19.93	19.86	20.30	20.80
		HIGH	64QAM	19.95	19.88	20.24	20.80
50	LOW	64QAM	20.26	20.01	20.16	20.80	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	23.18	23.39	23.04	23.80
		MID	QPSK	23.29	23.40	23.33	23.80
		HIGH	QPSK	23.07	23.19	23.24	23.80
	36	LOW	QPSK	22.21	22.18	22.13	22.80
		MID	QPSK	22.16	22.32	22.20	22.80
	75	HIGH	QPSK	22.15	22.09	22.25	22.80
15	1	LOW	Q16	22.44	22.23	21.76	22.80
		MID	Q16	22.67	22.10	21.93	22.80
		HIGH	Q16	22.17	21.44	21.81	22.80
	36	LOW	Q16	21.13	21.17	21.28	21.80
		MID	Q16	20.82	21.18	21.32	21.80
		HIGH	Q16	20.83	20.97	20.97	21.80
75	LOW	Q16	21.12	21.02	21.01	21.80	
15	1	LOW	64QAM	21.51	21.58	20.85	21.80
		MID	64QAM	21.50	21.23	20.94	21.80
		HIGH	64QAM	21.33	20.61	20.73	21.80
	36	LOW	64QAM	20.00	20.09	20.04	20.80
		MID	64QAM	19.92	19.88	20.12	20.80
		HIGH	64QAM	19.95	19.92	20.35	20.80
75	LOW	64QAM	20.15	19.96	20.06	20.80	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	23.13	23.29	22.89	23.80
		MID	QPSK	23.41	23.52	23.42	23.80
		HIGH	QPSK	23.02	23.13	23.19	23.80
	50	LOW	QPSK	22.26	22.25	22.22	22.80
		MID	QPSK	22.25	22.25	22.18	22.80
		HIGH	QPSK	22.21	22.23	22.20	22.80
100	LOW	QPSK	22.21	22.32	22.21	22.80	
20	1	LOW	Q16	22.37	22.37	21.83	22.80
		MID	Q16	22.68	22.16	21.83	22.80
		HIGH	Q16	22.21	21.55	21.87	22.80
	50	LOW	Q16	21.15	21.26	21.21	21.80
		MID	Q16	20.97	21.12	21.19	21.80
		HIGH	Q16	20.96	21.08	21.12	21.80
100	LOW	Q16	21.15	21.13	21.05	21.80	
20	1	LOW	64QAM	21.37	21.44	20.85	21.80
		MID	64QAM	21.73	21.21	20.85	21.80
		HIGH	64QAM	21.32	20.60	20.72	21.80
	50	LOW	64QAM	20.05	20.12	20.09	20.80
		MID	64QAM	19.83	20.01	20.19	20.80
		HIGH	64QAM	19.93	20.03	20.25	20.80
100	LOW	64QAM	20.23	20.01	20.12	20.80	

## 8.3.6 LTE Band66 Output Power

LTE B66-State1 -Ant.0							
Bandw	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	LOW	QPSK	21.23	21.49	20.90	21.80	
	MID	QPSK	21.21	21.44	21.26	21.80	
	HIGH	QPSK	20.79	21.34	20.87	21.80	
	LOW	QPSK	21.06	21.12	21.03	21.80	
	MID	QPSK	21.08	21.26	21.02	21.80	
	HIGH	QPSK	21.09	21.20	21.09	21.80	
1.4	LOW	QPSK	21.08	21.08	21.11	21.80	
	LOW	Q16	21.49	21.23	20.74	21.80	
	MID	Q16	21.23	21.04	20.99	21.80	
	HIGH	Q16	20.80	20.40	20.53	21.80	
	LOW	Q16	21.26	21.06	21.16	21.80	
	MID	Q16	21.05	21.07	20.94	21.80	
1.4	HIGH	Q16	21.00	21.21	21.14	21.80	
	LOW	Q16	21.01	21.03	21.01	21.80	
	LOW	64QAM	21.51	21.09	20.98	21.80	
	MID	64QAM	21.28	21.02	20.95	21.80	
	HIGH	64QAM	21.18	21.05	21.09	21.80	
	LOW	64QAM	21.12	21.01	21.01	21.80	
1.4	MID	64QAM	21.02	21.07	21.03	21.80	
	HIGH	64QAM	21.05	21.03	21.00	21.80	
	LOW	64QAM	20.07	20.04	20.00	20.80	
	Bandw	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	LOW	QPSK	21.08	21.58	20.80	21.80
		MID	QPSK	21.38	21.44	21.20	21.80
HIGH		QPSK	20.78	21.33	20.98	21.80	
LOW		QPSK	21.15	21.25	21.08	21.80	
MID		QPSK	21.26	21.14	21.19	21.80	
HIGH		QPSK	21.15	21.15	20.96	21.80	
3	LOW	QPSK	21.15	21.22	21.23	21.80	
	LOW	Q16	21.28	21.13	20.68	21.80	
	MID	Q16	21.41	20.93	21.02	21.80	
	HIGH	Q16	20.67	20.45	20.64	21.80	
	LOW	Q16	21.22	21.16	20.90	21.80	
	MID	Q16	20.86	20.92	21.02	21.80	
3	HIGH	Q16	20.90	21.13	21.00	21.80	
	LOW	Q16	20.84	21.19	21.00	21.80	
	LOW	64QAM	21.38	21.27	20.67	21.80	
	MID	64QAM	21.43	20.91	21.08	21.80	
	HIGH	64QAM	20.60	20.39	20.58	21.80	
	LOW	64QAM	20.23	19.92	20.12	20.80	
3	MID	64QAM	20.02	19.97	19.79	20.80	
	HIGH	64QAM	20.08	20.02	20.10	20.80	
	LOW	64QAM	19.91	20.13	19.79	20.80	
	Bandw	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
	5	LOW	QPSK	21.02	21.31	20.84	21.80
		MID	QPSK	21.21	21.58	21.24	21.80
HIGH		QPSK	20.88	21.35	20.84	21.80	
LOW		QPSK	21.04	21.18	21.23	21.80	
MID		QPSK	21.05	21.07	21.16	21.80	
HIGH		QPSK	21.31	21.28	21.16	21.80	
5	LOW	QPSK	21.15	21.10	21.16	21.80	
	LOW	Q16	21.45	21.13	20.57	21.80	
	MID	Q16	21.26	20.94	21.05	21.80	
	HIGH	Q16	20.73	20.41	20.70	21.80	
	LOW	Q16	21.15	20.95	21.10	21.80	
	MID	Q16	21.08	21.19	20.88	21.80	
5	HIGH	Q16	20.86	21.19	20.94	21.80	
	LOW	Q16	21.01	20.91	20.98	21.80	
	LOW	64QAM	21.44	21.28	20.53	21.80	
	MID	64QAM	21.28	21.02	21.01	21.80	
	HIGH	64QAM	20.60	20.36	20.65	21.80	
	LOW	64QAM	20.11	20.10	19.91	20.80	
5	MID	64QAM	19.92	19.97	20.07	20.80	
	HIGH	64QAM	20.02	19.99	20.00	20.80	
	LOW	64QAM	20.09	19.84	19.98	20.80	

LTE B66-State1 -Ant.0							
Bandw	RB offest	Modulation	132022	132322	132622	Tune-up power(dB m)	
10	LOW	QPSK	20.99	21.31	20.75	21.80	
	MID	QPSK	21.34	21.45	21.03	21.80	
	HIGH	QPSK	20.78	21.36	20.94	21.80	
	LOW	QPSK	21.03	21.07	21.26	21.80	
	MID	QPSK	21.29	21.23	20.95	21.80	
	HIGH	QPSK	21.06	21.20	21.12	21.80	
10	LOW	QPSK	21.10	21.24	21.18	21.80	
	LOW	Q16	21.48	21.20	20.54	21.80	
	MID	Q16	21.33	21.03	20.90	21.80	
	HIGH	Q16	20.60	20.64	20.69	21.80	
	LOW	Q16	21.07	21.12	21.15	21.80	
	MID	Q16	21.07	20.97	21.03	21.80	
10	HIGH	Q16	20.95	21.19	20.88	21.80	
	LOW	Q16	21.08	21.07	20.85	21.80	
	LOW	64QAM	21.35	21.16	20.59	21.80	
	MID	64QAM	21.53	20.97	20.92	21.80	
	HIGH	64QAM	20.78	20.52	20.39	21.80	
	LOW	64QAM	20.38	20.17	20.01	20.80	
10	MID	64QAM	19.74	20.11	19.99	20.80	
	HIGH	64QAM	20.00	20.07	19.84	20.80	
	LOW	64QAM	19.99	20.12	19.75	20.80	
	Bandw	RB offest	Modulation	132047	132322	132597	Tune-up power(dB m)
	15	LOW	QPSK	21.23	21.41	20.82	21.80
		MID	QPSK	21.17	21.58	21.04	21.80
HIGH		QPSK	20.91	21.35	20.95	21.80	
LOW		QPSK	21.25	21.14	21.09	21.80	
MID		QPSK	21.29	21.25	21.02	21.80	
HIGH		QPSK	21.28	21.07	21.04	21.80	
15	LOW	QPSK	21.06	21.25	21.04	21.80	
	LOW	Q16	21.43	21.07	20.70	21.80	
	MID	Q16	21.38	21.09	20.94	21.80	
	HIGH	Q16	20.60	20.41	20.65	21.80	
	LOW	Q16	21.26	21.02	20.90	21.80	
	MID	Q16	20.87	20.93	21.01	21.80	
15	HIGH	Q16	20.93	20.99	21.01	21.80	
	LOW	Q16	20.98	21.17	20.95	21.80	
	LOW	64QAM	21.38	21.31	20.64	21.80	
	MID	64QAM	21.39	21.00	21.01	21.80	
	HIGH	64QAM	20.63	20.52	20.50	21.80	
	LOW	64QAM	20.23	19.96	19.90	20.80	
15	MID	64QAM	19.88	20.16	19.77	20.80	
	HIGH	64QAM	20.02	20.17	20.10	20.80	
	LOW	64QAM	19.98	20.06	19.74	20.80	
	Bandw	RB offest	Modulation	132072	132322	132572	Tune-up power(dB m)
	20	LOW	QPSK	21.08	21.43	20.84	21.80
		MID	QPSK	21.30	21.46	21.14	21.80
HIGH		QPSK	20.83	21.26	20.90	21.80	
LOW		QPSK	21.17	21.20	21.13	21.80	
MID		QPSK	21.14	21.21	21.05	21.80	
HIGH		QPSK	21.19	21.16	21.07	21.80	
20	LOW	QPSK	21.18	21.16	21.08	21.80	
	LOW	Q16	21.43	21.14	20.69	21.80	
	MID	Q16	21.26	21.02	20.96	21.80	
	HIGH	Q16	20.65	20.50	20.60	21.80	
	LOW	Q16	21.11	21.08	21.05	21.80	
	MID	Q16	20.96	21.06	21.01	21.80	
20	HIGH	Q16	20.92	21.06	21.01	21.80	
	LOW	Q16	20.98	21.06	20.96	21.80	
	LOW	64QAM	21.50	21.21	20.56	21.80	
	MID	64QAM	21.39	20.97	21.05	21.80	
	HIGH	64QAM	20.74	20.41	20.52	21.80	
	LOW	64QAM	20.23	20.06	20.01	20.80	
20	MID	64QAM	19.88	20.03	19.92	20.80	
	HIGH	64QAM	19.99	20.05	19.95	20.80	
	LOW	64QAM	19.99	19.98	19.85	20.80	
	LOW	64QAM	19.99	19.98	19.85	20.80	

## 8.3.6 LTE Band66 Output Power

LTE B66-State2&State4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.34	23.19	23.13	23.80
		MID	QPSK	23.28	23.14	23.19	23.80
		HIGH	QPSK	23.20	23.24	23.14	23.80
	3	LOW	QPSK	23.25	23.04	23.21	23.80
		MID	QPSK	23.18	23.19	23.22	23.80
		HIGH	QPSK	23.22	23.21	23.13	23.80
6	LOW	QPSK	22.23	22.19	22.25	22.80	
1.4	1	LOW	Q16	22.16	22.31	22.05	22.80
		MID	Q16	22.03	22.26	22.06	22.80
		HIGH	Q16	22.12	22.22	22.15	22.80
	3	LOW	Q16	22.36	21.78	22.54	22.80
		MID	Q16	22.26	21.70	22.45	22.80
		HIGH	Q16	22.23	21.69	22.38	22.80
6	LOW	Q16	20.96	20.91	21.37	21.80	
1.4	1	LOW	64QAM	21.44	21.38	20.92	21.80
		MID	64QAM	21.78	21.28	20.77	21.80
		HIGH	64QAM	21.47	20.63	20.63	21.80
	3	LOW	64QAM	21.44	21.31	20.83	21.80
		MID	64QAM	21.71	21.28	20.79	21.80
		HIGH	64QAM	21.42	20.56	20.66	21.80
6	LOW	64QAM	20.14	20.06	20.05	20.80	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	22.98	23.30	22.87	23.80
		MID	QPSK	23.44	23.41	23.54	23.80
		HIGH	QPSK	22.87	23.10	23.17	23.80
	8	LOW	QPSK	22.26	22.14	22.28	22.80
		MID	QPSK	22.25	22.21	22.32	22.80
	15	LOW	QPSK	22.17	22.35	22.25	22.80
3	1	LOW	Q16	22.32	22.44	21.88	22.80
		MID	Q16	22.70	22.24	21.93	22.80
		HIGH	Q16	22.06	21.49	21.75	22.80
	8	LOW	Q16	21.18	21.33	21.11	21.80
		MID	Q16	21.05	21.19	21.05	21.80
		HIGH	Q16	21.02	21.01	21.20	21.80
15	LOW	Q16	21.04	21.21	20.90	21.80	
3	1	LOW	64QAM	21.28	21.43	20.97	21.80
		MID	64QAM	21.62	21.33	20.78	21.80
		HIGH	64QAM	21.43	20.57	20.79	21.80
	8	LOW	64QAM	20.13	19.98	19.96	20.80
		MID	64QAM	19.80	20.05	20.16	20.80
		HIGH	64QAM	19.91	20.16	20.32	20.80
15	LOW	64QAM	20.28	19.88	20.06	20.80	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	23.20	23.15	22.91	23.80
		MID	QPSK	23.37	23.39	23.29	23.80
		HIGH	QPSK	23.06	23.24	23.32	23.80
	12	LOW	QPSK	22.23	22.35	22.09	22.80
		MID	QPSK	22.21	22.20	22.19	22.80
		HIGH	QPSK	22.15	22.14	22.30	22.80
25	LOW	QPSK	22.13	22.24	22.13	22.80	
5	1	LOW	Q16	22.51	22.28	21.71	22.80
		MID	Q16	21.77	22.29	21.87	22.80
		HIGH	Q16	22.23	21.49	21.92	22.80
	12	LOW	Q16	21.08	21.16	21.24	21.80
		MID	Q16	21.04	21.03	21.12	21.80
		HIGH	Q16	20.82	20.98	21.00	21.80
25	LOW	Q16	21.21	21.28	21.09	21.80	
5	1	LOW	64QAM	21.51	21.41	20.98	21.80
		MID	64QAM	21.65	21.07	20.76	21.80
		HIGH	64QAM	21.39	20.61	20.82	21.80
	12	LOW	64QAM	20.00	20.24	20.11	20.80
		MID	64QAM	19.81	19.90	20.21	20.80
		HIGH	64QAM	19.86	20.02	20.24	20.80
25	LOW	64QAM	20.12	20.15	20.05	20.80	

LTE B66-State2&State4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	23.16	23.43	22.98	23.80
		MID	QPSK	23.31	23.64	23.29	23.80
		HIGH	QPSK	23.07	23.04	23.07	23.80
	25	LOW	QPSK	22.31	22.10	22.12	22.80
		MID	QPSK	22.30	22.15	22.14	22.80
		HIGH	QPSK	22.22	22.36	22.20	22.80
50	LOW	QPSK	22.31	22.42	22.12	22.80	
10	1	LOW	Q16	22.27	22.24	21.77	22.80
		MID	Q16	22.55	22.18	21.69	22.80
		HIGH	Q16	22.18	21.62	21.73	22.80
	25	LOW	Q16	21.02	21.32	21.22	21.80
		MID	Q16	21.08	21.18	21.29	21.80
		HIGH	Q16	21.07	21.16	21.02	21.80
50	LOW	Q16	21.19	21.05	20.95	21.80	
10	1	LOW	64QAM	21.31	21.47	20.87	21.80
		MID	64QAM	21.75	21.26	20.90	21.80
		HIGH	64QAM	21.35	20.63	20.67	21.80
	25	LOW	64QAM	20.16	19.97	20.05	20.80
		MID	64QAM	19.93	19.86	20.30	20.80
		HIGH	64QAM	19.95	19.88	20.24	20.80
50	LOW	64QAM	20.26	20.01	20.16	20.80	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	23.18	23.39	23.04	23.80
		MID	QPSK	23.29	23.40	23.33	23.80
		HIGH	QPSK	23.07	23.19	23.24	23.80
	36	LOW	QPSK	22.21	22.18	22.13	22.80
		MID	QPSK	22.16	22.32	22.20	22.80
	75	HIGH	QPSK	22.15	22.09	22.25	22.80
15	1	LOW	Q16	22.44	22.23	21.76	22.80
		MID	Q16	22.67	22.10	21.93	22.80
		HIGH	Q16	22.17	21.44	21.81	22.80
	36	LOW	Q16	21.13	21.17	21.28	21.80
		MID	Q16	20.82	21.18	21.32	21.80
		HIGH	Q16	20.83	20.97	20.97	21.80
75	LOW	Q16	21.12	21.02	21.01	21.80	
15	1	LOW	64QAM	21.51	21.58	20.85	21.80
		MID	64QAM	21.50	21.23	20.94	21.80
		HIGH	64QAM	21.33	20.61	20.73	21.80
	36	LOW	64QAM	20.00	20.09	20.04	20.80
		MID	64QAM	19.92	19.88	20.12	20.80
		HIGH	64QAM	19.95	19.92	20.35	20.80
75	LOW	64QAM	20.15	19.96	20.06	20.80	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	23.13	23.29	22.89	23.80
		MID	QPSK	23.41	23.52	23.42	23.80
		HIGH	QPSK	23.02	23.13	23.19	23.80
	50	LOW	QPSK	22.26	22.25	22.22	22.80
		MID	QPSK	22.25	22.27	22.18	22.80
		HIGH	QPSK	22.21	22.23	22.20	22.80
100	LOW	QPSK	22.21	22.32	22.21	22.80	
20	1	LOW	Q16	22.37	22.37	21.83	22.80
		MID	Q16	22.68	22.16	21.83	22.80
		HIGH	Q16	22.21	21.55	21.87	22.80
	50	LOW	Q16	21.15	21.26	21.21	21.80
		MID	Q16	20.97	21.12	21.19	21.80
		HIGH	Q16	20.96	21.08	21.12	21.80
100	LOW	Q16	21.15	21.13	21.05	21.80	
20	1	LOW	64QAM	21.37	21.44	20.85	21.80
		MID	64QAM	21.73	21.21	20.85	21.80
		HIGH	64QAM	21.32	20.60	20.72	21.80
	50	LOW	64QAM	20.05	20.12	20.09	20.80
		MID	64QAM	19.83	20.01	20.19	20.80
		HIGH	64QAM	19.93	20.03	20.25	20.80
100	LOW	64QAM	20.23	20.01	20.12	20.80	



## 8.3.6 LTE Band66 Output Power

LTE B66-State3 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.60	18.92	18.38	19.30
		MID	QPSK	18.85	19.02	18.75	19.30
		HIGH	QPSK	18.35	18.79	18.61	19.30
	3	LOW	QPSK	18.66	18.77	18.57	19.30
		MID	QPSK	18.75	18.64	18.70	19.30
		HIGH	QPSK	18.53	18.63	18.74	19.30
6	LOW	QPSK	18.80	18.66	18.55	19.30	
1.4	1	LOW	Q16	18.45	18.35	18.11	19.30
		MID	Q16	19.00	18.44	18.73	19.30
		HIGH	Q16	18.07	18.44	18.40	19.30
	3	LOW	Q16	18.81	18.65	18.86	19.30
		MID	Q16	18.72	18.62	18.58	19.30
		HIGH	Q16	18.39	18.69	18.71	19.30
6	LOW	Q16	18.78	18.56	18.45	19.30	
1.4	1	LOW	64QAM	18.31	18.41	18.11	19.30
		MID	64QAM	19.02	18.61	18.39	19.30
		HIGH	64QAM	18.42	18.24	18.10	19.30
	3	LOW	64QAM	18.39	18.49	18.20	19.30
		MID	64QAM	18.89	18.42	18.59	19.30
		HIGH	64QAM	18.40	18.26	18.08	19.30
6	LOW	64QAM	18.79	18.54	18.60	19.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	18.54	18.77	18.58	19.30
		MID	QPSK	18.65	19.15	18.83	19.30
		HIGH	QPSK	18.53	18.93	18.62	19.30
	8	LOW	QPSK	18.61	18.86	18.77	19.30
		MID	QPSK	18.68	18.89	18.77	19.30
		HIGH	QPSK	18.59	18.65	18.54	19.30
15	LOW	QPSK	18.57	18.69	18.84	19.30	
3	1	LOW	Q16	18.53	18.44	18.17	19.30
		MID	Q16	18.97	18.67	18.64	19.30
		HIGH	Q16	18.33	18.41	18.28	19.30
	8	LOW	Q16	18.91	18.66	18.67	19.30
		MID	Q16	18.72	18.57	18.52	19.30
		HIGH	Q16	18.40	18.61	18.52	19.30
15	LOW	Q16	18.67	18.54	18.40	19.30	
3	1	LOW	64QAM	18.50	18.47	18.01	19.30
		MID	64QAM	19.08	18.43	18.53	19.30
		HIGH	64QAM	18.27	18.25	18.21	19.30
	8	LOW	64QAM	18.53	18.80	18.55	19.30
		MID	64QAM	18.87	18.46	18.61	19.30
		HIGH	64QAM	18.27	18.68	18.76	19.30
15	LOW	64QAM	18.67	18.46	18.65	19.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	18.62	18.82	18.59	19.30
		MID	QPSK	18.76	19.10	18.68	19.30
		HIGH	QPSK	18.34	18.79	18.66	19.30
	12	LOW	QPSK	18.71	18.75	18.66	19.30
		MID	QPSK	18.67	18.68	18.67	19.30
		HIGH	QPSK	18.56	18.78	18.76	19.30
25	LOW	QPSK	18.68	18.74	18.75	19.30	
5	1	LOW	Q16	18.55	18.39	18.05	19.30
		MID	Q16	18.97	18.45	18.62	19.30
		HIGH	Q16	18.26	18.20	18.31	19.30
	12	LOW	Q16	18.77	18.73	18.62	19.30
		MID	Q16	18.78	18.78	18.62	19.30
		HIGH	Q16	18.43	18.63	18.71	19.30
25	LOW	Q16	18.63	18.66	18.53	19.30	
5	1	LOW	64QAM	18.29	18.52	18.24	19.30
		MID	64QAM	19.11	18.62	18.58	19.30
		HIGH	64QAM	18.26	18.31	18.03	19.30
	12	LOW	64QAM	18.73	18.95	18.59	19.30
		MID	64QAM	18.69	18.42	18.62	19.30
		HIGH	64QAM	18.28	18.78	18.61	19.30
25	LOW	64QAM	18.60	18.46	18.46	19.30	

LTE B66-State3 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	18.54	18.85	18.62	19.30
		MID	QPSK	18.59	19.07	18.57	19.30
		HIGH	QPSK	18.33	18.90	18.48	19.30
	25	LOW	QPSK	18.63	18.72	18.74	19.30
		MID	QPSK	18.75	18.81	18.59	19.30
		HIGH	QPSK	18.68	18.75	18.49	19.30
50	LOW	QPSK	18.59	18.77	18.58	19.30	
10	1	LOW	Q16	18.43	18.40	18.13	19.30
		MID	Q16	18.99	18.48	18.50	19.30
		HIGH	Q16	18.15	18.48	18.15	19.30
	25	LOW	Q16	18.87	18.68	18.86	19.30
		MID	Q16	18.81	18.80	18.64	19.30
		HIGH	Q16	18.35	18.70	18.64	19.30
50	LOW	Q16	18.68	18.51	18.69	19.30	
10	1	LOW	64QAM	18.38	18.34	18.02	19.30
		MID	64QAM	18.98	18.55	18.38	19.30
		HIGH	64QAM	18.33	18.36	18.22	19.30
	25	LOW	64QAM	18.54	18.94	18.79	19.30
		MID	64QAM	18.86	18.45	18.72	19.30
		HIGH	64QAM	18.49	18.64	18.81	19.30
50	LOW	64QAM	18.72	18.50	18.49	19.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	18.66	18.76	18.52	19.30
		MID	QPSK	18.81	18.92	18.79	19.30
		HIGH	QPSK	18.28	18.73	18.47	19.30
	36	LOW	QPSK	18.60	18.64	18.68	19.30
		MID	QPSK	18.84	18.84	18.78	19.30
	75	HIGH	QPSK	18.48	18.74	18.69	19.30
75	LOW	QPSK	18.82	18.82	18.59	19.30	
15	1	LOW	Q16	18.38	18.35	18.26	19.30
		MID	Q16	18.90	18.40	18.47	19.30
		HIGH	Q16	18.29	18.20	18.15	19.30
	36	LOW	Q16	18.79	18.56	18.71	19.30
		MID	Q16	18.82	18.59	18.68	19.30
		HIGH	Q16	18.35	18.65	18.62	19.30
75	LOW	Q16	18.62	18.42	18.53	19.30	
15	1	LOW	64QAM	18.52	18.33	18.27	19.30
		MID	64QAM	18.94	18.42	18.54	19.30
		HIGH	64QAM	18.48	18.33	18.18	19.30
	36	LOW	64QAM	18.77	18.93	18.64	19.30
		MID	64QAM	18.76	18.70	18.67	19.30
		HIGH	64QAM	18.39	18.81	18.85	19.30
75	LOW	64QAM	18.67	18.57	18.69	19.30	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	18.65	18.84	18.48	19.30
		MID	QPSK	18.73	19.04	18.68	19.30
		HIGH	QPSK	18.41	18.84	18.51	19.30
	50	LOW	QPSK	18.67	18.71	18.70	19.30
		MID	QPSK	18.70	18.74	18.71	19.30
		HIGH	QPSK	18.55	18.63	18.61	19.30
100	LOW	QPSK	18.70	18.73	18.69	19.30	
20	1	LOW	Q16	18.42	18.38	18.16	19.30
		MID	Q16	19.01	18.52	18.58	19.30
		HIGH	Q16	18.21	18.34	18.25	19.30
	50	LOW	Q16	18.78	18.70	18.73	19.30
		MID	Q16	18.75	18.70	18.63	19.30
		HIGH	Q16	18.50	18.68	18.61	19.30
100	LOW	Q16	18.65	18.57	18.55	19.30	
20	1	LOW	64QAM	18.39	18.45	18.12	19.30
		MID	64QAM	18.98	18.52	18.47	19.30
		HIGH	64QAM	18.35	18.33	18.18	19.30
	50	LOW	64QAM	18.68	18.82	18.65	19.30
		MID	64QAM	18.73	18.56	18.58	19.30
		HIGH	64QAM	18.35	18.75	18.71	19.30
100	LOW	64QAM	18.72	18.61	18.61	19.30	

### 8.3.7 LTE Band38 Output Power

LTE B38-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	22.92	23.31	23.78	23.80	
		MID	QPSK	23.19	23.73	23.67	23.80	
		HIGH	QPSK	23.08	22.95	23.43	23.80	
	12	LOW	QPSK	22.40	22.25	22.45	22.80	
		MID	QPSK	22.46	22.36	22.39	22.80	
		HIGH	QPSK	22.08	22.55	22.73	22.80	
	25	LOW	QPSK	22.45	22.56	22.56	22.80	
	5	1	LOW	Q16	22.10	21.77	22.78	22.80
			MID	Q16	22.10	21.54	22.61	22.80
HIGH			Q16	22.05	21.70	22.49	22.80	
12		LOW	Q16	21.29	21.44	21.24	21.80	
		MID	Q16	21.25	21.29	21.35	21.80	
		HIGH	Q16	21.30	21.29	21.58	21.80	
25		LOW	Q16	21.10	21.08	21.27	21.80	
5		1	LOW	64QAM	21.21	20.61	21.58	21.80
			MID	64QAM	21.13	20.63	21.63	21.80
	HIGH		64QAM	21.10	20.66	21.73	21.80	
	12	LOW	64QAM	20.40	20.65	20.42	20.80	
		MID	64QAM	20.26	20.40	20.21	20.80	
		HIGH	64QAM	20.43	20.38	20.47	20.80	
	25	LOW	64QAM	20.12	20.12	20.13	20.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	22.95	23.32	23.58	23.80
MID			QPSK	23.12	23.60	23.76	23.80	
HIGH			QPSK	23.20	22.98	23.49	23.80	
25		LOW	QPSK	22.31	22.51	22.51	22.80	
		MID	QPSK	22.26	22.45	22.43	22.80	
		HIGH	QPSK	22.43	22.36	22.48	22.80	
50		LOW	QPSK	22.48	22.59	22.62	22.80	
10	1	LOW	Q16	22.04	21.88	22.66	22.80	
		MID	Q16	22.09	21.65	22.71	22.80	
		HIGH	Q16	21.87	21.62	22.60	22.80	
	25	LOW	Q16	21.44	21.22	21.45	21.80	
		MID	Q16	21.40	21.21	21.37	21.80	
		HIGH	Q16	21.38	21.30	21.34	21.80	
	50	LOW	Q16	21.17	21.14	21.18	21.80	
10	1	LOW	64QAM	21.05	20.69	21.57	21.80	
		MID	64QAM	21.11	20.57	21.48	21.80	
		HIGH	64QAM	20.84	20.81	21.57	21.80	
	25	LOW	64QAM	20.25	20.42	20.28	20.80	
		MID	64QAM	20.38	20.53	20.31	20.80	
		HIGH	64QAM	20.42	20.50	20.42	20.80	
	50	LOW	64QAM	20.31	20.30	20.19	20.80	

LTE B38-Full Power -Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.06	23.33	23.69	23.80	
		MID	QPSK	23.19	23.79	23.80	23.80	
		HIGH	QPSK	23.04	22.96	23.48	23.80	
	36	LOW	QPSK	22.27	22.32	22.45	22.80	
		MID	QPSK	22.39	22.41	22.34	22.80	
		HIGH	QPSK	22.23	22.53	22.61	22.80	
	75	LOW	QPSK	22.32	22.54	22.44	22.80	
	15	1	LOW	Q16	22.08	21.77	22.80	22.80
			MID	Q16	22.24	21.51	22.80	22.80
HIGH			Q16	22.15	21.67	22.56	22.80	
36		LOW	Q16	21.26	21.48	21.38	21.80	
		MID	Q16	21.13	21.23	21.40	21.80	
		HIGH	Q16	21.31	21.35	21.44	21.80	
75		LOW	Q16	21.13	21.14	21.27	21.80	
15		1	LOW	64QAM	21.00	20.78	21.75	21.80
			MID	64QAM	21.16	20.60	21.47	21.80
	HIGH		64QAM	21.04	20.80	21.76	21.80	
	36	LOW	64QAM	20.43	20.53	20.43	20.80	
		MID	64QAM	20.25	20.52	20.31	20.80	
		HIGH	64QAM	20.40	20.45	20.30	20.80	
	75	LOW	64QAM	20.18	20.08	19.96	20.80	
	Bandwidth (	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.09	23.40	23.64	23.80
MID			QPSK	23.24	23.66	23.69	23.80	
HIGH			QPSK	23.11	23.08	23.59	23.80	
50		LOW	QPSK	22.35	22.47	22.47	22.80	
		MID	QPSK	22.38	22.40	22.48	22.80	
		HIGH	QPSK	22.34	22.44	22.49	22.80	
100		LOW	QPSK	22.39	22.44	22.47	22.80	
20		1	LOW	Q16	21.97	21.85	22.72	22.80
			MID	Q16	22.20	21.61	22.73	22.80
	HIGH		Q16	22.00	21.66	22.69	22.80	
	50	LOW	Q16	21.29	21.37	21.31	21.80	
		MID	Q16	21.28	21.36	21.26	21.80	
		HIGH	Q16	21.30	21.44	21.29	21.80	
	100	LOW	Q16	21.26	21.22	21.20	21.80	
	20	1	LOW	64QAM	21.07	20.72	21.62	21.80
			MID	64QAM	21.18	20.55	21.56	21.80
HIGH			64QAM	20.98	20.76	21.65	21.80	
50		LOW	64QAM	20.28	20.50	20.28	20.80	
		MID	64QAM	20.35	20.46	20.24	20.80	
		HIGH	64QAM	20.45	20.43	20.34	20.80	
100		LOW	64QAM	20.21	20.22	20.06	20.80	

## 8.3.7 LTE Band38 Output Power

LTE B38-State1 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	22.71	22.86	23.12	23.30	
		MID	QPSK	23.00	23.06	23.04	23.30	
		HIGH	QPSK	22.57	22.68	23.28	23.30	
	12	LOW	QPSK	22.23	22.72	22.28	22.80	
		MID	QPSK	22.73	22.36	22.47	22.80	
		HIGH	QPSK	22.28	22.65	22.29	22.80	
	25	LOW	QPSK	22.61	22.69	22.39	22.80	
	5	1	LOW	Q16	22.02	21.54	22.65	22.80
			MID	Q16	22.16	21.89	22.71	22.80
HIGH			Q16	22.10	21.56	22.53	22.80	
12		LOW	Q16	21.54	21.35	21.33	21.80	
		MID	Q16	21.34	21.62	21.40	21.80	
		HIGH	Q16	21.46	21.41	21.18	21.80	
25		LOW	Q16	21.44	21.37	21.38	21.80	
5		1	LOW	64QAM	20.98	20.43	21.75	21.80
			MID	64QAM	21.37	20.78	21.50	21.80
	HIGH		64QAM	20.86	20.46	21.70	21.80	
	12	LOW	64QAM	20.59	20.58	20.55	20.80	
		MID	64QAM	20.64	20.39	20.37	20.80	
		HIGH	64QAM	20.56	20.56	20.43	20.80	
	25	LOW	64QAM	20.28	20.24	20.47	20.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	22.87	23.11	23.23	23.30
MID			QPSK	23.16	23.26	23.23	23.30	
HIGH			QPSK	22.76	22.98	23.03	23.30	
25		LOW	QPSK	22.60	22.52	22.29	22.80	
		MID	QPSK	22.35	22.63	22.50	22.80	
		HIGH	QPSK	22.34	22.58	22.23	22.80	
50		LOW	QPSK	22.44	22.54	22.40	22.80	
10		1	LOW	Q16	21.93	21.48	22.58	22.80
			MID	Q16	22.26	21.95	22.72	22.80
	HIGH		Q16	22.00	21.32	22.58	22.80	
	25	LOW	Q16	21.38	21.50	21.41	21.80	
		MID	Q16	21.37	21.50	21.57	21.80	
		HIGH	Q16	21.42	21.44	21.32	21.80	
	50	LOW	Q16	21.35	21.31	21.32	21.80	
	10	1	LOW	64QAM	21.21	20.36	21.76	21.80
			MID	64QAM	21.34	20.92	21.71	21.80
HIGH			64QAM	21.36	20.43	21.71	21.80	
25		LOW	64QAM	20.53	20.64	20.29	20.80	
		MID	64QAM	20.45	20.44	20.55	20.80	
		HIGH	64QAM	20.20	20.64	20.41	20.80	
50		LOW	64QAM	20.53	20.34	20.22	20.80	

LTE B38-State1 -Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dB m)	
15	1	LOW	QPSK	22.87	22.96	23.22	23.30	
		MID	QPSK	23.09	23.08	23.12	23.30	
		HIGH	QPSK	22.84	22.98	23.13	23.30	
	36	LOW	QPSK	22.60	22.59	22.57	22.80	
		MID	QPSK	22.39	22.55	22.53	22.80	
		HIGH	QPSK	22.45	22.59	22.26	22.80	
	75	LOW	QPSK	22.48	22.70	22.55	22.80	
	15	1	LOW	Q16	22.02	21.65	22.77	22.80
			MID	Q16	22.45	21.98	22.73	22.80
HIGH			Q16	22.08	21.44	22.52	22.80	
36		LOW	Q16	21.63	21.40	21.51	21.80	
		MID	Q16	21.53	21.62	21.58	21.80	
		HIGH	Q16	21.49	21.63	21.22	21.80	
75		LOW	Q16	21.58	21.50	21.24	21.80	
15		1	LOW	64QAM	21.25	20.55	21.64	21.80
			MID	64QAM	21.26	20.89	21.74	21.80
	HIGH		64QAM	21.22	20.59	21.51	21.80	
	36	LOW	64QAM	20.49	20.61	20.45	20.80	
		MID	64QAM	20.58	20.62	20.39	20.80	
		HIGH	64QAM	20.31	20.67	20.27	20.80	
	75	LOW	64QAM	20.54	20.56	20.23	20.80	
	Bandwidth (	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dB m)
	20	1	LOW	QPSK	22.76	23.02	23.25	23.30
MID			QPSK	23.01	23.26	23.27	23.30	
HIGH			QPSK	22.70	22.85	23.21	23.30	
50		LOW	QPSK	22.45	22.59	22.44	22.80	
		MID	QPSK	22.48	22.60	22.44	22.80	
		HIGH	QPSK	22.49	22.57	22.36	22.80	
100		LOW	QPSK	22.50	22.60	22.44	22.80	
20		1	LOW	Q16	22.06	21.53	22.63	22.80
			MID	Q16	22.36	21.83	22.78	22.80
	HIGH		Q16	22.08	21.41	22.62	22.80	
	50	LOW	Q16	21.50	21.48	21.43	21.80	
		MID	Q16	21.49	21.53	21.46	21.80	
		HIGH	Q16	21.46	21.53	21.35	21.80	
	100	LOW	Q16	21.47	21.43	21.38	21.80	
	20	1	LOW	64QAM	21.10	20.44	21.76	21.80
			MID	64QAM	21.23	20.78	21.80	21.80
HIGH			64QAM	21.21	20.47	21.56	21.80	
50		LOW	64QAM	20.61	20.61	20.30	20.80	
		MID	64QAM	20.50	20.50	20.49	20.80	
		HIGH	64QAM	20.31	20.65	20.36	20.80	
100		LOW	64QAM	20.50	20.47	20.28	20.80	

## 8.3.7 LTE Band38 Output Power

LTE B38-State2&4 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	20.37	20.40	21.07	21.30	
		MID	QPSK	20.54	20.73	20.85	21.30	
		HIGH	QPSK	20.31	20.42	21.02	21.30	
	12	LOW	QPSK	20.50	20.55	20.76	21.30	
		MID	QPSK	20.42	20.57	20.62	21.30	
		HIGH	QPSK	20.64	20.60	20.65	21.30	
	25	LOW	QPSK	20.54	20.56	20.71	21.30	
	5	1	LOW	Q16	20.73	21.18	21.12	21.30
			MID	Q16	20.93	21.03	21.12	21.30
HIGH			Q16	20.62	21.08	20.82	21.30	
12		LOW	Q16	20.16	20.34	20.44	21.30	
		MID	Q16	20.46	20.51	20.47	21.30	
		HIGH	Q16	20.50	20.34	20.29	21.30	
25		LOW	Q16	20.34	20.44	20.46	21.30	
5		1	LOW	64QAM	20.12	19.77	20.85	21.30
			MID	64QAM	20.45	19.88	20.86	21.30
	HIGH		64QAM	20.10	19.70	20.66	21.30	
	12	LOW	64QAM	19.97	20.48	20.14	20.80	
		MID	64QAM	19.96	20.11	20.03	20.80	
		HIGH	64QAM	20.26	20.31	20.24	20.80	
	25	LOW	64QAM	20.02	20.01	20.18	20.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	20.37	20.49	21.15	21.30
MID			QPSK	20.52	20.81	20.99	21.30	
HIGH			QPSK	20.36	20.55	20.94	21.30	
25		LOW	QPSK	20.40	20.77	20.54	21.30	
		MID	QPSK	20.62	20.83	20.82	21.30	
		HIGH	QPSK	20.73	20.78	20.77	21.30	
50		LOW	QPSK	20.63	20.57	20.60	21.30	
10		1	LOW	Q16	20.32	19.77	21.02	21.30
			MID	Q16	20.22	19.87	21.19	21.30
	HIGH		Q16	19.98	19.70	20.79	21.30	
	25	LOW	Q16	20.40	20.62	20.74	21.30	
		MID	Q16	20.58	20.83	20.78	21.30	
		HIGH	Q16	20.58	20.71	20.58	21.30	
	50	LOW	Q16	20.46	20.63	20.48	21.30	
	10	1	LOW	64QAM	20.20	19.65	20.85	21.30
			MID	64QAM	20.32	20.00	20.97	21.30
HIGH			64QAM	20.05	19.69	20.87	21.30	
25		LOW	64QAM	20.14	20.42	19.96	20.80	
		MID	64QAM	19.91	20.20	20.02	20.80	
		HIGH	64QAM	20.24	20.40	20.10	20.80	
50		LOW	64QAM	20.16	19.83	20.20	20.80	

LTE B38-State2&4 -Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dB m)	
15	1	LOW	QPSK	20.19	20.45	21.26	21.30	
		MID	QPSK	20.69	20.85	21.04	21.30	
		HIGH	QPSK	20.32	20.65	21.02	21.30	
	36	LOW	QPSK	20.45	20.62	20.58	21.30	
		MID	QPSK	20.59	20.62	20.74	21.30	
		HIGH	QPSK	20.67	20.53	20.60	21.30	
	75	LOW	QPSK	20.42	20.84	20.62	21.30	
	15	1	LOW	Q16	20.17	19.80	21.09	21.30
			MID	Q16	20.38	19.78	21.26	21.30
HIGH			Q16	19.93	19.71	20.79	21.30	
36		LOW	Q16	20.61	20.73	20.70	21.30	
		MID	Q16	20.65	20.71	20.78	21.30	
		HIGH	Q16	20.62	20.62	20.66	21.30	
75		LOW	Q16	20.58	20.62	20.50	21.30	
15		1	LOW	64QAM	19.99	19.83	20.87	21.30
			MID	64QAM	20.32	19.78	21.05	21.30
	HIGH		64QAM	20.02	19.54	20.84	21.30	
	36	LOW	64QAM	20.00	20.39	20.14	20.80	
		MID	64QAM	20.06	20.21	20.03	20.80	
		HIGH	64QAM	20.29	20.19	20.13	20.80	
	75	LOW	64QAM	19.88	19.82	20.12	20.80	
	Bandwidth (	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dB m)
	20	1	LOW	QPSK	21.16	20.56	20.87	21.30
MID			QPSK	21.26	20.82	21.13	21.30	
HIGH			QPSK	21.26	20.65	20.59	21.30	
50		LOW	QPSK	20.84	20.93	20.90	21.30	
		MID	QPSK	20.87	20.92	20.90	21.30	
		HIGH	QPSK	20.87	20.95	20.96	21.30	
100		LOW	QPSK	20.90	20.94	20.93	21.30	
20		1	LOW	Q16	21.08	20.68	19.94	21.30
			MID	Q16	21.20	20.73	20.00	21.30
	HIGH		Q16	21.10	20.46	19.79	21.30	
	50	LOW	Q16	20.92	20.90	21.01	21.30	
		MID	Q16	20.92	20.89	20.90	21.30	
		HIGH	Q16	20.91	20.93	20.94	21.30	
	100	LOW	Q16	20.91	20.93	20.82	21.30	
	20	1	LOW	64QAM	20.05	19.79	20.82	21.30
			MID	64QAM	20.32	19.86	21.00	21.30
HIGH			64QAM	20.10	19.64	20.77	21.30	
50		LOW	64QAM	20.04	20.37	20.06	20.80	
		MID	64QAM	20.01	20.07	20.04	20.80	
		HIGH	64QAM	20.22	20.31	20.24	20.80	
100		LOW	64QAM	20.03	19.88	20.09	20.80	



## 8.3.7 LTE Band38 Output Power

LTE B38-State3 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	20.12	20.73	19.94	20.80	
		MID	QPSK	20.40	20.71	20.45	20.80	
		HIGH	QPSK	19.95	20.80	20.10	20.80	
	12	LOW	QPSK	20.48	20.43	20.28	20.80	
		MID	QPSK	20.27	20.56	20.50	20.80	
		HIGH	QPSK	20.53	20.38	20.27	20.80	
	25	LOW	QPSK	20.47	20.41	20.39	20.80	
	5	1	LOW	Q16	19.43	20.50	19.94	20.80
			MID	Q16	19.59	20.75	20.28	20.80
HIGH			Q16	19.31	20.66	19.93	20.80	
12		LOW	Q16	20.13	20.56	20.31	20.80	
		MID	Q16	20.34	20.54	20.25	20.80	
		HIGH	Q16	20.31	20.57	20.28	20.80	
25		LOW	Q16	20.35	20.41	20.52	20.80	
5		1	LOW	64QAM	19.42	20.58	20.03	20.80
			MID	64QAM	19.60	20.67	20.20	20.80
	HIGH		64QAM	19.43	20.70	20.14	20.80	
	12	LOW	64QAM	20.50	20.52	20.61	20.80	
		MID	64QAM	20.47	20.39	20.57	20.80	
		HIGH	64QAM	20.19	20.30	20.19	20.80	
	25	LOW	64QAM	20.38	20.51	20.47	20.80	
	10	1	LOW	QPSK	20.16	20.70	20.11	20.80
			MID	QPSK	20.34	20.66	20.21	20.80
HIGH			QPSK	20.02	20.73	20.22	20.80	
25		LOW	QPSK	20.43	20.57	20.58	20.80	
		MID	QPSK	20.36	20.56	20.34	20.80	
		HIGH	QPSK	20.38	20.42	20.50	20.80	
50		LOW	QPSK	20.19	20.44	20.27	20.80	
10		1	LOW	Q16	19.48	20.49	19.88	20.80
			MID	Q16	19.42	20.61	20.30	20.80
	HIGH		Q16	19.31	20.50	20.02	20.80	
	25	LOW	Q16	20.37	20.40	20.35	20.80	
		MID	Q16	20.31	20.61	20.32	20.80	
		HIGH	Q16	20.20	20.27	20.36	20.80	
	50	LOW	Q16	20.38	20.58	20.31	20.80	
	10	1	LOW	64QAM	19.21	20.68	19.82	20.80
			MID	64QAM	19.68	20.62	20.25	20.80
HIGH			64QAM	19.56	20.63	20.05	20.80	
25		LOW	64QAM	20.41	20.56	20.37	20.80	
		MID	64QAM	20.40	20.37	20.59	20.80	
		HIGH	64QAM	20.44	20.22	20.28	20.80	
50		LOW	64QAM	20.47	20.64	20.53	20.80	

LTE B38-State3 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	19.92	20.75	20.05	20.80	
		MID	QPSK	20.53	20.65	20.37	20.80	
		HIGH	QPSK	20.12	20.74	20.12	20.80	
	36	LOW	QPSK	20.49	20.57	20.44	20.80	
		MID	QPSK	20.43	20.56	20.41	20.80	
		HIGH	QPSK	20.38	20.32	20.38	20.80	
	75	LOW	QPSK	20.36	20.59	20.30	20.80	
	15	1	LOW	Q16	19.28	20.46	19.83	20.80
			MID	Q16	19.56	20.13	20.26	20.80
HIGH			Q16	19.36	20.63	19.96	20.80	
36		LOW	Q16	20.33	20.38	20.35	20.80	
		MID	Q16	20.31	20.53	20.40	20.80	
		HIGH	Q16	20.24	20.33	20.23	20.80	
75		LOW	Q16	20.38	20.40	20.31	20.80	
15		1	LOW	64QAM	19.40	20.63	19.95	20.80
			MID	64QAM	19.73	20.42	19.96	20.80
	HIGH		64QAM	19.59	20.80	20.11	20.80	
	36	LOW	64QAM	20.44	20.37	20.63	20.80	
		MID	64QAM	20.49	20.37	20.60	20.80	
		HIGH	64QAM	20.15	20.20	20.38	20.80	
	75	LOW	64QAM	20.53	20.40	20.56	20.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	20.04	20.66	20.05	20.80
MID			QPSK	20.39	20.74	20.33	20.80	
HIGH			QPSK	20.02	20.68	20.09	20.80	
50		LOW	QPSK	20.35	20.44	20.43	20.80	
		MID	QPSK	20.34	20.45	20.41	20.80	
		HIGH	QPSK	20.38	20.37	20.42	20.80	
100		LOW	QPSK	20.32	20.45	20.42	20.80	
20		1	LOW	Q16	19.35	20.58	19.95	20.80
			MID	Q16	19.56	20.69	20.24	20.80
	HIGH		Q16	19.40	20.61	20.01	20.80	
	50	LOW	Q16	20.28	20.47	20.40	20.80	
		MID	Q16	20.32	20.48	20.40	20.80	
		HIGH	Q16	20.31	20.42	20.31	20.80	
	100	LOW	Q16	20.25	20.46	20.42	20.80	
	20	1	LOW	64QAM	19.34	20.53	19.92	20.80
			MID	64QAM	19.59	20.18	20.11	20.80
HIGH			64QAM	19.45	20.76	20.08	20.80	
50		LOW	64QAM	20.42	20.46	20.49	20.80	
		MID	64QAM	20.47	20.52	20.54	20.80	
		HIGH	64QAM	20.29	20.30	20.34	20.80	
100		LOW	64QAM	20.40	20.51	20.42	20.80	

### 8.3.7 LTE Band38 Output Power

LTE B38-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.23	23.53	23.58	23.80	
		MID	QPSK	23.24	23.51	23.72	23.80	
		HIGH	QPSK	23.11	23.32	23.50	23.80	
	12	LOW	QPSK	22.59	22.51	22.37	22.80	
		MID	QPSK	22.43	22.41	22.57	22.80	
		HIGH	QPSK	22.06	22.58	22.55	22.80	
	25	LOW	QPSK	22.54	22.41	22.23	22.80	
	5	1	LOW	Q16	22.34	21.52	22.65	22.80
			MID	Q16	22.10	21.53	22.72	22.80
HIGH			Q16	22.19	21.46	22.78	22.80	
12		LOW	Q16	21.55	21.16	21.38	21.80	
		MID	Q16	21.29	21.32	21.28	21.80	
		HIGH	Q16	21.32	21.30	21.49	21.80	
25		LOW	Q16	21.29	21.21	21.47	21.80	
5		1	LOW	64QAM	21.11	20.61	21.37	21.80
			MID	64QAM	20.78	20.51	21.74	21.80
	HIGH		64QAM	21.04	20.32	21.38	21.80	
	12	LOW	64QAM	20.56	20.69	20.37	20.80	
		MID	64QAM	20.26	20.36	20.26	20.80	
		HIGH	64QAM	20.27	20.37	20.31	20.80	
	25	LOW	64QAM	20.22	20.08	20.42	20.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.16	23.49	23.55	23.80
MID			QPSK	23.37	23.36	23.66	23.80	
HIGH			QPSK	23.26	23.34	23.69	23.80	
25		LOW	QPSK	22.65	22.58	22.30	22.80	
		MID	QPSK	22.52	22.41	22.45	22.80	
		HIGH	QPSK	22.19	22.47	22.43	22.80	
50		LOW	QPSK	22.45	22.58	22.35	22.80	
10	1	LOW	Q16	21.95	21.37	22.60	22.80	
		MID	Q16	22.06	21.67	22.67	22.80	
		HIGH	Q16	21.96	21.51	22.67	22.80	
	25	LOW	Q16	21.46	21.33	21.38	21.80	
		MID	Q16	21.14	21.54	21.39	21.80	
		HIGH	Q16	21.30	21.49	21.35	21.80	
	50	LOW	Q16	21.15	21.39	21.40	21.80	
10	1	LOW	64QAM	21.23	20.41	21.47	21.80	
		MID	64QAM	20.95	20.63	21.78	21.80	
		HIGH	64QAM	20.80	20.22	21.48	21.80	
	25	LOW	64QAM	20.53	20.32	20.37	20.80	
		MID	64QAM	20.26	20.38	20.48	20.80	
		HIGH	64QAM	20.09	20.13	20.53	20.80	
	50	LOW	64QAM	20.20	20.27	20.26	20.80	

LTE B38-Full Power -Ant.0								
Bandwidth (	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.26	23.49	23.71	23.80	
		MID	QPSK	23.35	23.37	23.74	23.80	
		HIGH	QPSK	23.26	23.31	23.65	23.80	
	36	LOW	QPSK	22.65	22.36	22.33	22.80	
		MID	QPSK	22.29	22.33	22.42	22.80	
		HIGH	QPSK	22.18	22.55	22.51	22.80	
	75	LOW	QPSK	22.50	22.36	22.38	22.80	
	15	1	LOW	Q16	22.24	21.37	22.63	22.80
			MID	Q16	22.10	21.56	22.73	22.80
HIGH			Q16	22.12	21.54	22.64	22.80	
36		LOW	Q16	21.44	21.29	21.33	21.80	
		MID	Q16	21.19	21.42	21.36	21.80	
		HIGH	Q16	21.19	21.29	21.41	21.80	
75		LOW	Q16	21.15	21.30	21.50	21.80	
15		1	LOW	64QAM	21.23	20.52	21.47	21.80
			MID	64QAM	20.93	20.57	21.71	21.80
	HIGH		64QAM	21.01	20.24	21.48	21.80	
	36	LOW	64QAM	20.43	20.58	20.51	20.80	
		MID	64QAM	20.28	20.46	20.35	20.80	
		HIGH	64QAM	20.14	20.38	20.44	20.80	
	75	LOW	64QAM	20.17	20.02	20.39	20.80	
	Bandwidth (	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.25	23.43	23.56	23.80
MID			QPSK	23.40	23.43	23.71	23.80	
HIGH			QPSK	23.24	23.26	23.72	23.80	
50		LOW	QPSK	22.50	22.44	22.44	22.80	
		MID	QPSK	22.43	22.44	22.41	22.80	
		HIGH	QPSK	22.33	22.45	22.44	22.80	
100		LOW	QPSK	22.36	22.44	22.49	22.80	
20		1	LOW	Q16	22.10	21.47	22.74	22.80
			MID	Q16	21.97	21.67	22.68	22.80
	HIGH		Q16	21.98	21.45	22.67	22.80	
	50	LOW	Q16	21.36	21.43	21.36	21.80	
		MID	Q16	21.28	21.43	21.34	21.80	
		HIGH	Q16	21.28	21.36	21.39	21.80	
	100	LOW	Q16	21.27	21.25	21.39	21.80	
	20	1	LOW	64QAM	21.16	20.50	21.58	21.80
			MID	64QAM	20.82	20.63	21.69	21.80
HIGH			64QAM	20.95	20.30	21.62	21.80	
50		LOW	64QAM	20.39	20.45	20.39	20.80	
		MID	64QAM	20.37	20.48	20.42	20.80	
		HIGH	64QAM	20.23	20.28	20.52	20.80	
100		LOW	64QAM	20.29	20.17	20.31	20.80	

### 8.3.7 LTE Band38 Output Power

LTE B38-State1&2&4 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.23	23.53	23.58	23.80	
		MID	QPSK	23.24	23.51	23.72	23.80	
		HIGH	QPSK	23.11	23.32	23.50	23.80	
	12	LOW	QPSK	22.59	22.51	22.37	22.80	
		MID	QPSK	22.43	22.41	22.57	22.80	
		HIGH	QPSK	22.06	22.58	22.55	22.80	
	25	LOW	QPSK	22.54	22.41	22.23	22.80	
	5	1	LOW	Q16	22.34	21.52	22.65	22.80
			MID	Q16	22.10	21.53	22.72	22.80
HIGH			Q16	22.19	21.46	22.78	22.80	
12		LOW	Q16	21.55	21.16	21.38	21.80	
		MID	Q16	21.29	21.32	21.28	21.80	
		HIGH	Q16	21.32	21.30	21.49	21.80	
25		LOW	Q16	21.29	21.21	21.47	21.80	
5		1	LOW	64QAM	21.11	20.61	21.37	21.80
			MID	64QAM	20.78	20.51	21.74	21.80
	HIGH		64QAM	21.04	20.32	21.38	21.80	
	12	LOW	64QAM	20.56	20.69	20.37	20.80	
		MID	64QAM	20.26	20.36	20.26	20.80	
		HIGH	64QAM	20.27	20.37	20.31	20.80	
	25	LOW	64QAM	20.22	20.08	20.42	20.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.16	23.49	23.55	23.80
MID			QPSK	23.37	23.36	23.66	23.80	
HIGH			QPSK	23.26	23.34	23.69	23.80	
25		LOW	QPSK	22.65	22.58	22.30	22.80	
		MID	QPSK	22.52	22.41	22.45	22.80	
		HIGH	QPSK	22.19	22.47	22.43	22.80	
50		LOW	QPSK	22.45	22.58	22.35	22.80	
10		1	LOW	Q16	21.95	21.37	22.60	22.80
			MID	Q16	22.06	21.67	22.67	22.80
	HIGH		Q16	21.96	21.51	22.67	22.80	
	25	LOW	Q16	21.46	21.33	21.38	21.80	
		MID	Q16	21.14	21.54	21.39	21.80	
		HIGH	Q16	21.30	21.49	21.35	21.80	
	50	LOW	Q16	21.15	21.39	21.40	21.80	
	10	1	LOW	64QAM	21.23	20.41	21.47	21.80
			MID	64QAM	20.95	20.63	21.78	21.80
HIGH			64QAM	20.80	20.22	21.48	21.80	
25		LOW	64QAM	20.53	20.32	20.37	20.80	
		MID	64QAM	20.26	20.38	20.48	20.80	
		HIGH	64QAM	20.09	20.13	20.53	20.80	
50		LOW	64QAM	20.20	20.27	20.26	20.80	

LTE B38-State1&2&4 -Ant.0								
Bandwidth (	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.26	23.49	23.71	23.80	
		MID	QPSK	23.35	23.37	23.74	23.80	
		HIGH	QPSK	23.26	23.31	23.65	23.80	
	36	LOW	QPSK	22.65	22.36	22.33	22.80	
		MID	QPSK	22.29	22.33	22.42	22.80	
		HIGH	QPSK	22.18	22.55	22.51	22.80	
	75	LOW	QPSK	22.50	22.36	22.38	22.80	
	15	1	LOW	Q16	22.24	21.37	22.63	22.80
			MID	Q16	22.10	21.56	22.73	22.80
HIGH			Q16	22.12	21.54	22.64	22.80	
36		LOW	Q16	21.44	21.29	21.33	21.80	
		MID	Q16	21.19	21.42	21.36	21.80	
		HIGH	Q16	21.19	21.29	21.41	21.80	
75		LOW	Q16	21.15	21.30	21.50	21.80	
15		1	LOW	64QAM	21.23	20.52	21.47	21.80
			MID	64QAM	20.93	20.57	21.71	21.80
	HIGH		64QAM	21.01	20.24	21.48	21.80	
	36	LOW	64QAM	20.43	20.58	20.51	20.80	
		MID	64QAM	20.28	20.46	20.35	20.80	
		HIGH	64QAM	20.14	20.38	20.44	20.80	
	75	LOW	64QAM	20.17	20.02	20.39	20.80	
	Bandwidth (	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.25	23.43	23.56	23.80
MID			QPSK	23.40	23.43	23.71	23.80	
HIGH			QPSK	23.24	23.26	23.72	23.80	
50		LOW	QPSK	22.50	22.44	22.44	22.80	
		MID	QPSK	22.43	22.44	22.41	22.80	
		HIGH	QPSK	22.33	22.45	22.44	22.80	
100		LOW	QPSK	22.36	22.44	22.49	22.80	
20		1	LOW	Q16	22.10	21.47	22.74	22.80
			MID	Q16	21.97	21.67	22.68	22.80
	HIGH		Q16	21.98	21.45	22.67	22.80	
	50	LOW	Q16	21.36	21.43	21.36	21.80	
		MID	Q16	21.28	21.43	21.34	21.80	
		HIGH	Q16	21.28	21.36	21.39	21.80	
	100	LOW	Q16	21.27	21.25	21.39	21.80	
	20	1	LOW	64QAM	21.16	20.50	21.58	21.80
			MID	64QAM	20.82	20.63	21.69	21.80
HIGH			64QAM	20.95	20.30	21.62	21.80	
50		LOW	64QAM	20.39	20.45	20.39	20.80	
		MID	64QAM	20.37	20.48	20.42	20.80	
		HIGH	64QAM	20.23	20.28	20.52	20.80	
100		LOW	64QAM	20.29	20.17	20.31	20.80	

## LTE Band38 Output Power

LTE B38-State3 -Ant.0						
RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
1	LOW	QPSK	22.86	23.12	22.84	23.30
	MID	QPSK	23.11	23.04	22.91	23.30
	HIGH	QPSK	22.65	23.02	22.65	23.30
12	LOW	QPSK	22.30	22.15	22.49	22.80
	MID	QPSK	22.54	22.26	22.22	22.80
	HIGH	QPSK	22.41	22.17	22.13	22.80
25	LOW	QPSK	22.53	22.37	22.49	22.80
1	LOW	Q16	21.43	21.98	22.44	22.80
	MID	Q16	21.63	22.17	22.45	22.80
	HIGH	Q16	21.25	22.00	22.11	22.80
12	LOW	Q16	21.60	21.68	21.50	21.80
	MID	Q16	21.31	21.62	21.12	21.80
	HIGH	Q16	21.36	21.58	21.09	21.80
25	LOW	Q16	21.10	21.47	21.10	21.80
1	LOW	64QAM	20.46	21.39	21.22	21.80
	MID	64QAM	20.55	20.73	21.45	21.80
	HIGH	64QAM	20.27	21.12	21.06	21.80
12	LOW	64QAM	20.33	20.34	20.20	20.80
	MID	64QAM	20.43	19.99	20.47	20.80
	HIGH	64QAM	20.43	20.56	19.91	20.80
25	LOW	64QAM	20.34	20.30	20.08	20.80
RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
1	LOW	QPSK	22.93	23.13	22.63	23.30
	MID	QPSK	23.16	22.98	22.68	23.30
	HIGH	QPSK	22.46	22.99	22.71	23.30
25	LOW	QPSK	22.22	22.45	22.40	22.80
	MID	QPSK	22.22	22.49	22.59	22.80
	HIGH	QPSK	22.34	22.53	22.30	22.80
50	LOW	QPSK	22.41	22.32	22.60	22.80
1	LOW	Q16	21.34	22.07	22.30	22.80
	MID	Q16	21.46	21.88	22.23	22.80
	HIGH	Q16	21.26	22.01	21.92	22.80
25	LOW	Q16	21.44	21.41	21.32	21.80
	MID	Q16	21.40	21.51	21.33	21.80
	HIGH	Q16	21.31	21.41	21.17	21.80
50	LOW	Q16	21.13	21.42	21.36	21.80
1	LOW	64QAM	20.32	21.32	21.37	21.80
	MID	64QAM	20.60	21.09	21.40	21.80
	HIGH	64QAM	20.33	21.09	20.79	21.80
25	LOW	64QAM	20.53	20.45	20.53	20.80
	MID	64QAM	20.66	20.36	20.35	20.80
	HIGH	64QAM	20.60	20.41	19.99	20.80
50	LOW	64QAM	20.17	20.45	20.25	20.80

LTE B38-State3 -Ant.0						
RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
1	LOW	QPSK	22.83	23.14	22.71	23.30
	MID	QPSK	23.10	22.93	22.79	23.30
	HIGH	QPSK	22.53	23.08	22.52	23.30
36	LOW	QPSK	22.24	22.29	22.49	22.80
	MID	QPSK	22.43	22.38	22.31	22.80
	HIGH	QPSK	22.31	22.32	22.24	22.80
75	LOW	QPSK	22.46	22.35	22.44	22.80
1	LOW	Q16	21.35	22.10	22.32	22.80
	MID	Q16	21.60	22.02	22.37	22.80
	HIGH	Q16	21.17	22.14	22.13	22.80
36	LOW	Q16	21.47	21.53	21.41	21.80
	MID	Q16	21.23	21.47	21.25	21.80
	HIGH	Q16	21.29	21.48	21.23	21.80
75	LOW	Q16	21.09	21.53	21.12	21.80
1	LOW	64QAM	20.31	21.24	21.14	21.80
	MID	64QAM	20.53	20.88	21.34	21.80
	HIGH	64QAM	20.16	21.05	21.02	21.80
36	LOW	64QAM	20.41	20.21	20.35	20.80
	MID	64QAM	20.43	20.11	20.33	20.80
	HIGH	64QAM	20.55	20.46	20.05	20.80
75	LOW	64QAM	20.20	20.39	20.14	20.80
RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
1	LOW	QPSK	22.85	23.12	22.63	23.30
	MID	QPSK	23.03	23.01	22.82	23.30
	HIGH	QPSK	22.55	23.10	22.65	23.30
50	LOW	QPSK	22.35	22.41	22.40	22.80
	MID	QPSK	22.37	22.41	22.45	22.80
	HIGH	QPSK	22.37	22.42	22.38	22.80
100	LOW	QPSK	22.40	22.41	22.45	22.80
1	LOW	Q16	21.45	22.20	22.29	22.80
	MID	Q16	21.60	22.01	22.36	22.80
	HIGH	Q16	21.22	22.07	22.04	22.80
50	LOW	Q16	21.35	21.38	21.37	21.80
	MID	Q16	21.38	21.38	21.24	21.80
	HIGH	Q16	21.37	21.37	21.25	21.80
100	LOW	Q16	21.22	21.41	21.24	21.80
1	LOW	64QAM	20.35	21.31	21.22	21.80
	MID	64QAM	20.63	21.01	21.29	21.80
	HIGH	64QAM	20.21	20.98	20.94	21.80
50	LOW	64QAM	20.38	20.31	20.48	20.80
	MID	64QAM	20.51	20.23	20.24	20.80
	HIGH	64QAM	20.48	20.47	20.13	20.80
100	LOW	64QAM	20.11	20.34	20.16	20.80



## 8.3.8 LTE Band41 Output Power

LTE B41-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	40065	40765	41215	Tune-up power(dBm)	
5	1	LOW	QPSK	23.50	23.44	23.17	23.80	
		MID	QPSK	23.49	23.35	23.36	23.80	
		HIGH	QPSK	23.62	23.37	22.96	23.80	
	12	LOW	QPSK	22.39	22.61	22.43	22.80	
		MID	QPSK	22.55	22.49	22.55	22.80	
		HIGH	QPSK	22.34	22.69	22.53	22.80	
	25	LOW	QPSK	22.33	22.49	22.52	22.80	
	5	1	LOW	Q16	22.65	22.00	21.81	22.80
			MID	Q16	22.65	22.45	21.78	22.80
HIGH			Q16	22.49	22.41	21.35	22.80	
12		LOW	Q16	21.60	21.59	21.46	21.80	
		MID	Q16	21.39	21.49	21.28	21.80	
		HIGH	Q16	21.51	21.54	21.40	21.80	
25		LOW	Q16	21.31	21.59	21.09	21.80	
5		1	LOW	64QAM	21.63	21.20	20.60	21.80
			MID	64QAM	21.48	21.68	20.70	21.80
	HIGH		64QAM	21.66	21.45	20.33	21.80	
	12	LOW	64QAM	20.33	20.71	20.21	20.80	
		MID	64QAM	20.20	20.42	20.32	20.80	
		HIGH	64QAM	20.28	20.54	20.48	20.80	
	25	LOW	64QAM	20.46	20.51	20.29	20.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	40090	40765	41190	Tune-up power(dBm)
	10	1	LOW	QPSK	23.42	23.47	23.03	23.80
MID			QPSK	23.66	23.33	23.33	23.80	
HIGH			QPSK	23.42	23.37	23.15	23.80	
25		LOW	QPSK	22.45	22.53	22.51	22.80	
		MID	QPSK	22.40	22.47	22.45	22.80	
		HIGH	QPSK	22.38	22.52	22.36	22.80	
50		LOW	QPSK	22.50	22.75	22.43	22.80	
10		1	LOW	Q16	22.61	22.12	21.58	22.80
			MID	Q16	22.61	22.56	21.69	22.80
	HIGH		Q16	22.65	22.54	21.26	22.80	
	25	LOW	Q16	21.51	21.55	21.53	21.80	
		MID	Q16	21.52	21.62	21.34	21.80	
		HIGH	Q16	21.50	21.46	21.38	21.80	
	50	LOW	Q16	21.49	21.67	21.10	21.80	
	10	1	LOW	64QAM	21.44	21.16	20.69	21.80
			MID	64QAM	21.37	21.58	20.55	21.80
HIGH			64QAM	21.53	21.28	20.11	21.80	
25		LOW	64QAM	20.21	20.64	20.34	20.80	
		MID	64QAM	20.30	20.48	20.50	20.80	
		HIGH	64QAM	20.44	20.54	20.50	20.80	
50		LOW	64QAM	20.51	20.39	20.07	20.80	

LTE B41-Full Power -Ant.1							
Bandwidth (	RB Size	RB offset	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	23.45	23.49	23.02	23.80
		MID	QPSK	23.52	23.50	23.29	23.80
		HIGH	QPSK	23.60	23.37	23.17	23.80
	36	LOW	QPSK	22.33	22.64	22.27	22.80
		MID	QPSK	22.51	22.60	22.46	22.80
		HIGH	QPSK	22.57	22.56	22.44	22.80
75	LOW	QPSK	22.32	22.47	22.34	22.80	
15	1	LOW	Q16	22.47	22.06	21.73	22.80
		MID	Q16	22.55	22.54	21.64	22.80
		HIGH	Q16	22.66	22.38	21.29	22.80
	36	LOW	Q16	21.55	21.50	21.40	21.80
		MID	Q16	21.48	21.63	21.28	21.80
		HIGH	Q16	21.47	21.45	21.60	21.80
75	LOW	Q16	21.58	21.38	21.23	21.80	
15	1	LOW	64QAM	21.41	21.24	20.83	21.80
		MID	64QAM	21.57	21.65	20.58	21.80
		HIGH	64QAM	21.43	21.33	20.20	21.80
	36	LOW	64QAM	20.28	20.57	20.19	20.80
		MID	64QAM	20.27	20.62	20.45	20.80
		HIGH	64QAM	20.31	20.58	20.52	20.80
75	LOW	64QAM	20.30	20.25	20.10	20.80	
Bandwidth (	RB Size	RB offset	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	23.46	23.37	23.04	23.80
		MID	QPSK	23.60	23.40	23.38	23.80
		HIGH	QPSK	23.51	23.33	23.03	23.80
	50	LOW	QPSK	22.47	22.52	22.38	22.80
		MID	QPSK	22.47	22.56	22.40	22.80
		HIGH	QPSK	22.44	22.62	22.43	22.80
100	LOW	QPSK	22.43	22.61	22.46	22.80	
20	1	LOW	Q16	22.53	22.07	21.67	22.80
		MID	Q16	22.51	22.57	21.72	22.80
		HIGH	Q16	22.53	22.48	21.32	22.80
	50	LOW	Q16	21.48	21.59	21.40	21.80
		MID	Q16	21.42	21.53	21.43	21.80
		HIGH	Q16	21.50	21.53	21.47	21.80
100	LOW	Q16	21.44	21.52	21.23	21.80	
20	1	LOW	64QAM	21.49	21.16	20.74	21.80
		MID	64QAM	21.48	21.71	20.58	21.80
		HIGH	64QAM	21.51	21.41	20.20	21.80
	50	LOW	64QAM	20.34	20.70	20.25	20.80
		MID	64QAM	20.28	20.52	20.45	20.80
		HIGH	64QAM	20.40	20.68	20.39	20.80
100	LOW	64QAM	20.42	20.40	20.15	20.80	

## 8.3.8 LTE Band41 Output Power

## 8.3.8

LTE B41-State1 -Ant.1										
Bandwidth (	RB Size	RB offset	Modulation	40065	40765	41215	Tune-up power(dBm)	Bandwidth (		
5	1	LOW	QPSK	22.45	22.71	22.78	23.30	5		
		MID	QPSK	22.81	22.80	23.17	23.30			
		HIGH	QPSK	22.52	22.61	22.86	23.30			
	12	LOW	QPSK	22.32	22.08	22.14	22.80			
		MID	QPSK	22.27	22.06	22.11	22.80			
		HIGH	QPSK	22.32	22.13	22.02	22.80			
	25	LOW	QPSK	22.15	22.22	22.05	22.80			
	5	1	LOW	Q16	22.01	21.27	22.75		22.80	5
			MID	Q16	22.57	21.28	22.75		22.80	
HIGH			Q16	21.93	20.98	22.56	22.80			
12		LOW	Q16	21.06	21.05	21.15	21.80			
		MID	Q16	21.10	20.96	21.33	21.80			
		HIGH	Q16	21.24	21.00	21.14	21.80			
25		LOW	Q16	20.98	21.16	21.04	21.80			
5		1	LOW	64QAM	21.20	20.62	21.79	21.80	5	
			MID	64QAM	21.47	20.17	21.69	21.80		
	HIGH		64QAM	21.10	19.92	21.59	21.80			
	12	LOW	64QAM	20.04	20.03	20.17	20.80			
		MID	64QAM	20.23	19.92	20.18	20.80			
		HIGH	64QAM	20.17	20.07	19.81	20.80			
	25	LOW	64QAM	19.93	20.01	20.26	20.80			
	Bandwidth (	RB Size	RB offset	Modulation	40090	40765	41190	Tune-up power(dBm)		Bandwidth (
	10	1	LOW	QPSK	22.44	22.65	22.80	23.30		10
MID			QPSK	22.86	22.63	23.18	23.30			
HIGH			QPSK	22.74	22.47	22.94	23.30			
25		LOW	QPSK	22.17	22.30	22.15	22.80			
		MID	QPSK	22.11	22.06	22.02	22.80			
		HIGH	QPSK	22.43	22.07	22.06	22.80			
50		LOW	QPSK	22.26	22.18	22.12	22.80			
10		1	LOW	Q16	21.90	21.53	22.75	22.80	10	
			MID	Q16	22.43	21.32	22.57	22.80		
	HIGH		Q16	22.07	20.86	22.47	22.80			
	25	LOW	Q16	21.20	21.18	21.25	21.80			
		MID	Q16	21.09	21.05	21.04	21.80			
		HIGH	Q16	21.33	21.09	21.00	21.80			
	50	LOW	Q16	21.03	20.87	21.04	21.80			
	10	1	LOW	64QAM	21.13	20.25	21.45	21.80		10
			MID	64QAM	21.55	20.10	21.64	21.80		
HIGH			64QAM	21.04	20.10	21.74	21.80			
25		LOW	64QAM	20.11	20.42	20.16	20.80			
		MID	64QAM	19.99	20.13	20.37	20.80			
		HIGH	64QAM	20.15	20.18	20.12	20.80			
50		LOW	64QAM	20.25	19.91	20.07	20.80			

LTE B41-State1 -Ant.1

Bandwidth (	RB Size	RB offset	Modulation	40115	40765	41165	Tune-up power(dBm)	
15	1	LOW	QPSK	22.40	22.75	22.81	23.30	
		MID	QPSK	22.72	22.68	23.29	23.30	
		HIGH	QPSK	22.55	22.55	22.97	23.30	
	36	LOW	QPSK	22.15	22.12	22.19	22.80	
		MID	QPSK	22.12	22.06	22.22	22.80	
		HIGH	QPSK	22.44	22.20	21.90	22.80	
	75	LOW	QPSK	22.26	22.03	22.19	22.80	
	15	1	LOW	Q16	21.95	21.38	22.77	22.80
			MID	Q16	22.54	21.19	22.76	22.80
HIGH			Q16	21.93	20.92	22.65	22.80	
36		LOW	Q16	21.26	21.11	21.18	21.80	
		MID	Q16	21.27	21.16	21.06	21.80	
		HIGH	Q16	21.11	21.27	20.98	21.80	
75		LOW	Q16	20.99	21.08	21.04	21.80	
15		1	LOW	64QAM	21.06	20.18	21.45	21.80
			MID	64QAM	21.60	20.41	21.35	21.80
	HIGH		64QAM	21.10	20.04	21.76	21.80	
	36	LOW	64QAM	20.38	19.98	20.22	20.80	
		MID	64QAM	20.08	19.93	19.97	20.80	
		HIGH	64QAM	20.23	20.22	20.21	20.80	
	75	LOW	64QAM	20.25	19.97	20.19	20.80	
	Bandwidth (	RB Size	RB offset	Modulation	40140	40765	41140	Tune-up power(dBm)
	20	1	LOW	QPSK	22.48	22.74	22.84	23.30
MID			QPSK	22.73	22.85	23.19	23.30	
HIGH			QPSK	22.61	22.59	22.86	23.30	
50		LOW	QPSK	22.21	22.21	22.21	22.80	
		MID	QPSK	22.24	22.16	22.11	22.80	
		HIGH	QPSK	22.35	22.15	22.05	22.80	
100		LOW	QPSK	22.16	22.13	22.18	22.80	
20		1	LOW	Q16	21.99	21.40	22.79	22.80
			MID	Q16	22.53	21.29	22.71	22.80
	HIGH		Q16	22.08	20.98	22.61	22.80	
	50	LOW	Q16	21.11	21.20	21.16	21.80	
		MID	Q16	21.16	21.11	21.19	21.80	
		HIGH	Q16	21.18	21.15	21.05	21.80	
	100	LOW	Q16	21.12	21.02	21.17	21.80	
	20	1	LOW	64QAM	20.95	20.50	21.43	21.80
			MID	64QAM	21.56	20.43	21.70	21.80
HIGH			64QAM	21.23	19.98	21.67	21.80	
50		LOW	64QAM	20.10	20.28	20.20	20.80	
		MID	64QAM	20.28	20.24	20.20	20.80	
		HIGH	64QAM	20.29	20.30	19.98	20.80	
100		LOW	64QAM	20.21	20.07	20.22	20.80	

Bandwidth (
15
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15
Bandwidth (
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20
20

## LTE Band41 Output Power

LTE B41-State2&State4 -Ant.1						
RB Size	RB offset	Modulation	40065	40765	41215	Tune-up power (dBm)
1	LOW	QPSK	21.35	21.73	20.89	21.80
	MID	QPSK	21.74	21.66	21.28	21.80
	HIGH	QPSK	21.31	21.68	21.17	21.80
12	LOW	QPSK	21.28	21.52	21.33	21.80
	MID	QPSK	21.38	21.55	21.42	21.80
	HIGH	QPSK	21.53	21.30	21.29	21.80
25	LOW	QPSK	21.40	21.30	21.28	21.80
1	LOW	Q16	20.51	21.51	21.12	21.80
	MID	Q16	20.57	21.76	21.08	21.80
	HIGH	Q16	20.38	21.63	21.33	21.80
12	LOW	Q16	21.28	21.47	21.47	21.80
	MID	Q16	21.46	21.41	21.16	21.80
	HIGH	Q16	21.43	21.57	21.43	21.80
25	LOW	Q16	21.45	21.31	21.35	21.80
1	LOW	64QAM	20.61	21.79	21.01	21.80
	MID	64QAM	20.55	21.74	21.10	21.80
	HIGH	64QAM	20.62	21.68	21.35	21.80
12	LOW	64QAM	20.43	20.48	20.49	20.80
	MID	64QAM	20.13	20.48	20.19	20.80
	HIGH	64QAM	20.57	20.28	20.59	20.80
25	LOW	64QAM	20.20	20.40	20.39	20.80
RB Size	RB offset	Modulation	40090	40765	41190	Tune-up power (dBm)
1	LOW	QPSK	21.40	21.67	20.91	21.80
	MID	QPSK	21.63	21.56	21.11	21.80
	HIGH	QPSK	21.36	21.79	20.95	21.80
25	LOW	QPSK	21.44	21.44	21.44	21.80
	MID	QPSK	21.45	21.30	21.19	21.80
	HIGH	QPSK	21.45	21.52	21.35	21.80
50	LOW	QPSK	21.49	21.44	21.37	21.80
1	LOW	Q16	20.41	21.55	21.25	21.80
	MID	Q16	20.51	21.56	21.11	21.80
	HIGH	Q16	20.34	21.72	21.16	21.80
25	LOW	Q16	21.38	21.56	21.19	21.80
	MID	Q16	21.53	21.33	21.20	21.80
	HIGH	Q16	21.29	21.50	21.26	21.80
50	LOW	Q16	21.48	21.38	21.18	21.80
1	LOW	64QAM	20.34	21.72	20.95	21.80
	MID	64QAM	20.60	21.51	21.07	21.80
	HIGH	64QAM	20.44	21.48	21.21	21.80
25	LOW	64QAM	20.20	20.58	20.34	20.80
	MID	64QAM	20.22	20.47	20.24	20.80
	HIGH	64QAM	20.45	20.25	20.57	20.80
50	LOW	64QAM	20.50	20.70	20.31	20.80

LTE B41-State2&State4 -Ant.1						
RB Size	RB offset	Modulation	40115	40765	41165	Tune-up power (dBm)
1	LOW	QPSK	21.29	21.61	21.12	21.80
	MID	QPSK	21.74	21.58	21.23	21.80
	HIGH	QPSK	21.22	21.78	21.12	21.80
36	LOW	QPSK	21.58	21.39	21.48	21.80
	MID	QPSK	21.35	21.45	21.27	21.80
	HIGH	QPSK	21.57	21.38	21.30	21.80
75	LOW	QPSK	21.44	21.52	21.23	21.80
1	LOW	Q16	20.54	21.60	21.08	21.80
	MID	Q16	20.51	21.53	21.30	21.80
	HIGH	Q16	20.30	21.73	21.24	21.80
36	LOW	Q16	21.37	21.35	21.43	21.80
	MID	Q16	21.41	21.54	21.44	21.80
	HIGH	Q16	21.38	21.46	21.39	21.80
75	LOW	Q16	21.20	21.37	21.42	21.80
1	LOW	64QAM	20.62	21.78	21.03	21.80
	MID	64QAM	20.67	21.52	21.19	21.80
	HIGH	64QAM	20.51	21.63	21.31	21.80
36	LOW	64QAM	20.34	20.48	20.53	20.80
	MID	64QAM	20.26	20.39	20.21	20.80
	HIGH	64QAM	20.38	20.43	20.48	20.80
75	LOW	64QAM	20.42	20.48	20.40	20.80
RB Size	RB offset	Modulation	40140	40765	41140	Tune-up power (dBm)
1	LOW	QPSK	21.34	21.73	20.97	21.80
	MID	QPSK	21.62	21.70	21.21	21.80
	HIGH	QPSK	21.22	21.75	21.08	21.80
50	LOW	QPSK	21.43	21.44	21.34	21.80
	MID	QPSK	21.48	21.43	21.30	21.80
	HIGH	QPSK	21.51	21.45	21.29	21.80
100	LOW	QPSK	21.52	21.45	21.31	21.80
1	LOW	Q16	20.40	21.66	21.15	21.80
	MID	Q16	20.54	21.65	21.18	21.80
	HIGH	Q16	20.43	21.58	21.19	21.80
50	LOW	Q16	21.28	21.43	21.34	21.80
	MID	Q16	21.38	21.40	21.31	21.80
	HIGH	Q16	21.35	21.48	21.30	21.80
100	LOW	Q16	21.34	21.41	21.33	21.80
1	LOW	64QAM	20.48	21.66	21.01	21.80
	MID	64QAM	20.69	21.59	21.06	21.80
	HIGH	64QAM	20.51	21.60	21.21	21.80
50	LOW	64QAM	20.33	20.46	20.46	20.80
	MID	64QAM	20.24	20.50	20.29	20.80
	HIGH	64QAM	20.48	20.35	20.45	20.80
100	LOW	64QAM	20.35	20.55	20.27	20.80

## 8.3.8 LTE Band41 Output Power

LTE B41-State3 -Ant.1									
Bandwidth (MHz)	RB Size	RB offset	Modulation	40065	40765	41215	Tune-up power (dBm)		
5	1	LOW	QPSK	19.60	19.56	20.08	20.30		
		MID	QPSK	20.12	20.17	19.99	20.30		
		HIGH	QPSK	19.69	19.58	20.26	20.30		
	12	LOW	QPSK	19.94	20.08	19.82	20.30		
		MID	QPSK	19.87	20.10	19.80	20.30		
		HIGH	QPSK	20.03	19.99	19.78	20.30		
	25	LOW	QPSK	20.09	20.12	19.94	20.30		
	5	1	LOW	Q16	19.62	18.90	20.04	20.30	
			MID	Q16	19.75	19.06	20.13	20.30	
HIGH			Q16	19.51	18.88	20.09	20.30		
12		LOW	Q16	19.83	19.94	19.97	20.30		
		MID	Q16	20.04	19.93	19.83	20.30		
		HIGH	Q16	20.01	19.97	19.78	20.30		
25		LOW	Q16	19.90	19.86	19.99	20.30		
5		1	LOW	64QAM	19.51	18.73	20.25	20.30	
			MID	64QAM	19.83	19.20	20.07	20.30	
	HIGH		64QAM	19.58	18.79	20.20	20.30		
	12	LOW	64QAM	20.18	20.01	19.89	20.30		
		MID	64QAM	19.98	20.16	19.68	20.30		
		HIGH	64QAM	19.92	19.93	19.74	20.30		
	25	LOW	64QAM	20.14	19.98	19.78	20.30		
	10	10	1	LOW	QPSK	19.79	19.58	19.96	20.30
				MID	QPSK	20.06	20.18	20.12	20.30
HIGH				QPSK	19.80	19.64	20.08	20.30	
25			LOW	QPSK	20.06	20.04	19.92	20.30	
			MID	QPSK	19.96	20.05	19.74	20.30	
			HIGH	QPSK	19.86	20.13	19.98	20.30	
50		LOW	QPSK	19.95	19.98	19.91	20.30		
10		1	LOW	Q16	19.57	18.75	20.27	20.30	
			MID	Q16	19.94	19.04	20.05	20.30	
			HIGH	Q16	19.65	18.84	20.03	20.30	
		25	LOW	Q16	19.95	19.85	19.95	20.30	
			MID	Q16	19.85	20.10	19.97	20.30	
			HIGH	Q16	19.93	20.01	19.76	20.30	
50		LOW	Q16	19.87	19.97	19.78	20.30		
10		1	LOW	64QAM	19.61	18.64	20.10	20.30	
	MID		64QAM	19.75	19.29	20.12	20.30		
	HIGH		64QAM	19.59	18.99	20.01	20.30		
	25	LOW	64QAM	20.17	19.89	19.92	20.30		
		MID	64QAM	20.10	20.14	19.73	20.30		
		HIGH	64QAM	20.09	20.17	19.79	20.30		
	50	LOW	64QAM	20.08	19.81	19.96	20.30		

LTE B41-State3 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	40115	40765	41165	Tune-up power (dBm)	
15	1	LOW	QPSK	19.78	19.58	19.99	20.30	
		MID	QPSK	20.03	20.11	20.06	20.30	
		HIGH	QPSK	19.84	19.72	20.17	20.30	
	36	LOW	QPSK	20.05	20.05	19.70	20.30	
		MID	QPSK	19.77	19.96	19.85	20.30	
		HIGH	QPSK	19.82	20.14	19.86	20.30	
	75	LOW	QPSK	20.07	19.85	19.80	20.30	
	15	1	LOW	Q16	19.58	18.93	20.02	20.30
			MID	Q16	19.85	19.02	20.04	20.30
HIGH			Q16	19.72	18.85	20.05	20.30	
36		LOW	Q16	20.09	19.94	19.85	20.30	
		MID	Q16	19.85	19.97	19.78	20.30	
		HIGH	Q16	19.97	20.04	19.93	20.30	
75		LOW	Q16	19.81	19.77	19.98	20.30	
15		1	LOW	64QAM	19.64	18.63	20.22	20.30
			MID	64QAM	19.62	19.22	20.09	20.30
	HIGH		64QAM	19.41	18.87	20.18	20.30	
	36	LOW	64QAM	20.06	19.99	19.98	20.30	
		MID	64QAM	20.13	20.02	19.68	20.30	
		HIGH	64QAM	20.03	20.02	19.74	20.30	
	75	LOW	64QAM	20.05	19.98	19.85	20.30	
	20	1	LOW	QPSK	19.65	19.61	20.11	20.30
			MID	QPSK	20.02	20.23	20.12	20.30
HIGH			QPSK	19.76	19.68	20.22	20.30	
50		LOW	QPSK	19.94	19.98	19.80	20.30	
		MID	QPSK	19.89	20.03	19.86	20.30	
		HIGH	QPSK	19.93	20.02	19.84	20.30	
100		LOW	QPSK	19.94	19.99	19.88	20.30	
20		1	LOW	Q16	19.68	18.78	20.14	20.30
			MID	Q16	19.89	19.14	20.11	20.30
			HIGH	Q16	19.63	18.89	20.13	20.30
		50	LOW	Q16	19.98	19.94	19.82	20.30
			MID	Q16	19.93	19.96	19.84	20.30
			HIGH	Q16	19.89	19.98	19.89	20.30
100		LOW	Q16	19.90	19.85	19.87	20.30	
20		1	LOW	64QAM	19.63	18.68	20.12	20.30
	MID		64QAM	19.75	19.14	20.00	20.30	
	HIGH		64QAM	19.51	18.88	20.16	20.30	
	50	LOW	64QAM	20.13	19.95	19.92	20.30	
		MID	64QAM	20.05	20.09	19.75	20.30	
		HIGH	64QAM	19.96	20.03	19.78	20.30	
	100	LOW	64QAM	20.04	19.96	19.84	20.30	



## 8.3.8 LTE Band41 Output Power

LTE B41-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	40065	40765	41215	Tune-up power(dBm)
5	1	LOW	QPSK	23.42	23.36	23.22	23.80
		MID	QPSK	23.50	23.46	23.64	23.80
		HIGH	QPSK	23.44	23.13	23.11	23.80
	12	LOW	QPSK	22.54	22.58	22.55	22.80
		MID	QPSK	22.65	22.48	22.50	22.80
		HIGH	QPSK	22.34	22.43	22.23	22.80
25	LOW	QPSK	22.47	22.53	22.53	22.80	
5	1	LOW	Q16	22.57	22.53	21.01	22.80
		MID	Q16	22.49	22.63	21.41	22.80
		HIGH	Q16	22.69	22.31	21.50	22.80
	12	LOW	Q16	21.40	21.67	21.32	21.80
		MID	Q16	21.35	21.60	21.40	21.80
		HIGH	Q16	21.63	21.56	21.37	21.80
25	LOW	Q16	21.39	21.36	21.26	21.80	
5	1	LOW	64QAM	21.59	21.47	20.06	21.80
		MID	64QAM	21.35	21.75	20.31	21.80
		HIGH	64QAM	21.59	21.40	20.51	21.80
	12	LOW	64QAM	20.33	20.80	20.31	20.80
		MID	64QAM	20.57	20.68	20.54	20.80
		HIGH	64QAM	20.55	20.80	20.38	20.80
25	LOW	64QAM	20.41	20.60	20.21	20.80	
Bandwidth (MHz)	RB Size	RB offset	Modulation	40090	40765	41190	Tune-up power(dBm)
10	1	LOW	QPSK	23.49	23.25	23.24	23.80
		MID	QPSK	23.73	23.46	23.43	23.80
		HIGH	QPSK	23.37	23.37	23.08	23.80
	25	LOW	QPSK	22.54	22.58	22.48	22.80
		MID	QPSK	22.41	22.66	22.47	22.80
		HIGH	QPSK	22.43	22.58	22.24	22.80
50	LOW	QPSK	22.43	22.75	22.30	22.80	
10	1	LOW	Q16	22.34	22.42	21.01	22.80
		MID	Q16	22.41	22.69	21.59	22.80
		HIGH	Q16	22.69	22.38	21.61	22.80
	25	LOW	Q16	21.36	21.52	21.31	21.80
		MID	Q16	21.20	21.50	21.21	21.80
		HIGH	Q16	21.49	21.55	21.57	21.80
50	LOW	Q16	21.49	21.63	21.07	21.80	
10	1	LOW	64QAM	21.57	21.70	20.16	21.80
		MID	64QAM	21.38	21.73	20.42	21.80
		HIGH	64QAM	21.57	21.58	20.48	21.80
	25	LOW	64QAM	20.45	20.58	20.30	20.80
		MID	64QAM	20.39	20.79	20.47	20.80
		HIGH	64QAM	20.79	20.55	20.53	20.80
50	LOW	64QAM	20.33	20.42	20.09	20.80	

LTE B41-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	23.31	23.28	23.36	23.80
		MID	QPSK	23.50	23.32	23.37	23.80
		HIGH	QPSK	23.45	23.14	23.21	23.80
	36	LOW	QPSK	22.48	22.55	22.44	22.80
		MID	QPSK	22.42	22.56	22.31	22.80
		HIGH	QPSK	22.44	22.64	22.34	22.80
75	LOW	QPSK	22.45	22.66	22.58	22.80	
15	1	LOW	Q16	22.34	22.48	21.04	22.80
		MID	Q16	22.44	22.45	21.51	22.80
		HIGH	Q16	22.79	22.43	21.46	22.80
	36	LOW	Q16	21.35	21.73	21.45	21.80
		MID	Q16	21.31	21.63	21.35	21.80
		HIGH	Q16	21.59	21.52	21.58	21.80
75	LOW	Q16	21.56	21.43	21.14	21.80	
15	1	LOW	64QAM	21.40	21.64	19.98	21.80
		MID	64QAM	21.51	21.61	20.45	21.80
		HIGH	64QAM	21.77	21.53	20.72	21.80
	36	LOW	64QAM	20.49	20.64	20.34	20.80
		MID	64QAM	20.42	20.54	20.48	20.80
		HIGH	64QAM	20.73	20.65	20.47	20.80
75	LOW	64QAM	20.36	20.34	20.10	20.80	
Bandwidth (MHz)	RB Size	RB offset	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	23.41	23.27	23.32	23.80
		MID	QPSK	23.60	23.39	23.50	23.80
		HIGH	QPSK	23.49	23.26	23.13	23.80
	50	LOW	QPSK	22.47	22.53	22.40	22.80
		MID	QPSK	22.50	22.55	22.37	22.80
		HIGH	QPSK	22.45	22.58	22.38	22.80
100	LOW	QPSK	22.49	22.60	22.44	22.80	
20	1	LOW	Q16	22.46	22.46	21.15	22.80
		MID	Q16	22.34	22.58	21.48	22.80
		HIGH	Q16	22.66	22.46	21.52	22.80
	50	LOW	Q16	21.37	21.58	21.36	21.80
		MID	Q16	21.34	21.53	21.32	21.80
		HIGH	Q16	21.51	21.51	21.43	21.80
100	LOW	Q16	21.49	21.49	21.21	21.80	
20	1	LOW	64QAM	21.51	21.58	20.05	21.80
		MID	64QAM	21.49	21.72	20.46	21.80
		HIGH	64QAM	21.62	21.51	20.61	21.80
	50	LOW	64QAM	20.45	20.66	20.24	20.80
		MID	64QAM	20.49	20.67	20.39	20.80
		HIGH	64QAM	20.64	20.65	20.52	20.80
100	LOW	64QAM	20.46	20.47	20.23	20.80	

LTE B41-State1&2&3&4 -Ant.0								
Bandwidth (	RB Size	RB offset	Modulation	40065	40765	41215	Tune-up power(dBm)	
5	1	LOW	QPSK	23.42	23.36	23.22	23.80	
		MID	QPSK	23.50	23.46	23.64	23.80	
		HIGH	QPSK	23.44	23.13	23.11	23.80	
	12	LOW	QPSK	22.54	22.58	22.55	22.80	
		MID	QPSK	22.65	22.48	22.50	22.80	
		HIGH	QPSK	22.34	22.43	22.23	22.80	
	25	LOW	QPSK	22.47	22.53	22.53	22.80	
	5	1	LOW	Q16	22.57	22.53	21.01	22.80
			MID	Q16	22.49	22.63	21.41	22.80
HIGH			Q16	22.69	22.31	21.50	22.80	
12		LOW	Q16	21.40	21.67	21.32	21.80	
		MID	Q16	21.35	21.60	21.40	21.80	
		HIGH	Q16	21.63	21.56	21.37	21.80	
25		LOW	Q16	21.39	21.36	21.26	21.80	
5		1	LOW	64QAM	21.59	21.47	20.06	21.80
			MID	64QAM	21.35	21.75	20.31	21.80
	HIGH		64QAM	21.59	21.40	20.51	21.80	
	12	LOW	64QAM	20.33	20.80	20.31	20.80	
		MID	64QAM	20.57	20.68	20.54	20.80	
		HIGH	64QAM	20.55	20.80	20.38	20.80	
	25	LOW	64QAM	20.41	20.60	20.21	20.80	
	Bandwidth (	RB Size	RB offset	Modulation	40090	40765	41190	Tune-up power(dBm)
	10	1	LOW	QPSK	23.49	23.25	23.24	23.80
MID			QPSK	23.73	23.46	23.43	23.80	
HIGH			QPSK	23.37	23.37	23.08	23.80	
25		LOW	QPSK	22.54	22.58	22.48	22.80	
		MID	QPSK	22.41	22.66	22.47	22.80	
		HIGH	QPSK	22.43	22.58	22.24	22.80	
50		LOW	QPSK	22.43	22.75	22.30	22.80	
10		1	LOW	Q16	22.34	22.42	21.01	22.80
			MID	Q16	22.41	22.69	21.59	22.80
	HIGH		Q16	22.69	22.38	21.61	22.80	
	25	LOW	Q16	21.36	21.52	21.31	21.80	
		MID	Q16	21.20	21.50	21.21	21.80	
		HIGH	Q16	21.49	21.55	21.57	21.80	
	50	LOW	Q16	21.49	21.63	21.07	21.80	
	10	1	LOW	64QAM	21.57	21.70	20.16	21.80
			MID	64QAM	21.38	21.73	20.42	21.80
HIGH			64QAM	21.57	21.58	20.48	21.80	
25		LOW	64QAM	20.45	20.58	20.30	20.80	
		MID	64QAM	20.39	20.79	20.47	20.80	
		HIGH	64QAM	20.79	20.55	20.53	20.80	
50		LOW	64QAM	20.33	20.42	20.09	20.80	

LTE B41-State1&2&3&4 -Ant.0								
Bandwidth (	RB Size	RB offset	Modulation	40115	40765	41165	Tune-up power(dBm)	
15	1	LOW	QPSK	23.31	23.28	23.36	23.80	
		MID	QPSK	23.50	23.32	23.37	23.80	
		HIGH	QPSK	23.45	23.14	23.21	23.80	
	36	LOW	QPSK	22.48	22.55	22.44	22.80	
		MID	QPSK	22.42	22.56	22.31	22.80	
		HIGH	QPSK	22.44	22.64	22.34	22.80	
	75	LOW	QPSK	22.45	22.66	22.58	22.80	
	15	1	LOW	Q16	22.34	22.48	21.04	22.80
			MID	Q16	22.44	22.45	21.51	22.80
HIGH			Q16	22.79	22.43	21.46	22.80	
36		LOW	Q16	21.35	21.73	21.45	21.80	
		MID	Q16	21.31	21.63	21.35	21.80	
		HIGH	Q16	21.59	21.52	21.58	21.80	
75		LOW	Q16	21.56	21.43	21.14	21.80	
15		1	LOW	64QAM	21.40	21.64	19.98	21.80
			MID	64QAM	21.51	21.61	20.45	21.80
	HIGH		64QAM	21.77	21.53	20.72	21.80	
	36	LOW	64QAM	20.49	20.64	20.34	20.80	
		MID	64QAM	20.42	20.54	20.48	20.80	
		HIGH	64QAM	20.73	20.65	20.47	20.80	
	75	LOW	64QAM	20.36	20.34	20.10	20.80	
	Bandwidth (	RB Size	RB offset	Modulation	40140	40765	41140	Tune-up power(dBm)
	20	1	LOW	QPSK	23.41	23.27	23.32	23.80
MID			QPSK	23.60	23.39	23.50	23.80	
HIGH			QPSK	23.49	23.26	23.13	23.80	
50		LOW	QPSK	22.47	22.53	22.40	22.80	
		MID	QPSK	22.50	22.55	22.37	22.80	
		HIGH	QPSK	22.45	22.58	22.38	22.80	
100		LOW	QPSK	22.49	22.60	22.44	22.80	
20		1	LOW	Q16	22.46	22.46	21.15	22.80
			MID	Q16	22.34	22.58	21.48	22.80
	HIGH		Q16	22.66	22.46	21.52	22.80	
	50	LOW	Q16	21.37	21.58	21.36	21.80	
		MID	Q16	21.34	21.53	21.32	21.80	
		HIGH	Q16	21.51	21.51	21.43	21.80	
	100	LOW	Q16	21.49	21.49	21.21	21.80	
	20	1	LOW	64QAM	21.51	21.58	20.05	21.80
			MID	64QAM	21.49	21.72	20.46	21.80
HIGH			64QAM	21.62	21.51	20.61	21.80	
50		LOW	64QAM	20.45	20.66	20.24	20.80	
		MID	64QAM	20.49	20.67	20.39	20.80	
		HIGH	64QAM	20.64	20.65	20.52	20.80	
100		LOW	64QAM	20.46	20.47	20.23	20.80	