

## 8 CONDUCTED RF OUTPUT POWER

8.1	GSM Output Power
8.1.1	GSM (Ant.0) Output Power
8.1.2	GSM (Ant.1) Output Power
8.1.3	GSM (Ant.3) Output Power
8.1.4	GSM (Ant.4) Output Power
8.2	WCDMA Output Power
8.2.1	WCDMA (Ant.0) Output Power
8.2.2	WCDMA (Ant.1) Output Power
8.2.3	WCDMA (Ant.3) Output Power
8.2.4	WCDMA (Ant.4) Output Power
8.3	LTE Output Power
8.3.1	LTE Band2 (Ant.3) Output Power
8.3.2	LTE Band2 (Ant.4) Output Power
8.3.3	LTE Band4 (Ant.3) Output Power
8.3.4	LTE Band4 (Ant.4) Output Power
8.3.5	LTE Band5 (Ant.0) Output Power
8.3.6	LTE Band5 (Ant.1) Output Power
8.3.7	LTE Band7 (Ant.3) Output Power
8.3.8	LTE Band7 (Ant.4) Output Power
8.3.9	LTE Band12 (Ant.0) Output Power
8.3.10	LTE Band12 (Ant.1) Output Power
8.3.11	LTE Band13 (Ant.0) Output Power
8.3.12	LTE Band13 (Ant.1) Output Power
8.3.13	LTE Band17 (Ant.0) Output Power
8.3.14	LTE Band17 (Ant.1) Output Power
8.3.15	LTE Band25 (Ant.3) Output Power
8.3.16	LTE Band25 (Ant.4) Output Power
8.3.17	LTE Band26 (Ant.0) Output Power
8.3.18	LTE Band26 (Ant.1) Output Power
8.3.19	LTE Band66 (Ant.3) Output Power
8.3.20	LTE Band66 (Ant.4) Output Power
8.3.21	LTE Band38 (Ant.3) Output Power
8.3.22	LTE Band38 (Ant.4) Output Power
8.3.23	LTE Band41 (Ant.3) Output Power
8.3.24	LTE Band41 (Ant.4) Output Power
8.4	Intra-Band CA Power
8.4.1	LTE Band7 Uplink CA Output Power
8.4.2	LTE Band38 Uplink CA Output Power
8.4.3	LTE Band41 Uplink CA Output Power
8.5	5G NR Output Power
8.5.1	NR Band5 (Ant.0) Output Power
8.5.2	NR Band5 (Ant.1) Output Power
8.5.3	NR Band7 (Ant.3) Output Power
8.5.4	NR Band7 (Ant.4) Output Power
8.5.5	NR Band12 (Ant.0) Output Power
8.5.6	NR Band12 (Ant.1) Output Power
8.5.7	NR Band13 (Ant.0) Output Power
8.5.8	NR Band13 (Ant.1) Output Power
8.5.9	NR Band26 (Ant.0) Output Power
8.5.10	NR Band26 (Ant.1) Output Power
8.5.11	NR Band38 (Ant.3) Output Power
8.5.12	NR Band38 (Ant.4) Output Power
8.5.13	NR Band41 (Ant.3) Output Power
8.5.14	NR Band41 (Ant.4) Output Power
8.5.15	NR Band41 (Ant.5) Output Power
8.5.16	NR Band66 (Ant.3) Output Power
8.5.17	NR Band66 (Ant.4) Output Power
8.5.18	NR Band66 (Ant.6) Output Power
8.6	LTE Output Power With ENDC
8.6.1	LTE Band5 (Ant.0) Output Power
8.6.2	LTE Band5 (Ant.1) Output Power
8.6.3	LTE Band7 (Ant.3) Output Power
8.6.4	LTE Band7 (Ant.4) Output Power
8.6.5	LTE Band7 (Ant.5) Output Power
8.6.6	LTE Band7 (Ant.6) Output Power
8.6.7	LTE Band66 (Ant.4) Output Power
8.6.8	LTE Band66 (Ant.5) Output Power
8.7	LTE Downlink Carrier Aggregation

## 8.1 GSM Output Power

### 8.1.1 GSM (Ant.0) Output Power

GSM-State17-Ant.0									
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)	32.78	32.92	32.62	33.20	9.19	23.59	23.73	23.43	24.01
GPRS (GMSK, 1-Slot)	32.80	32.91	32.61	33.20	9.19	23.61	23.72	23.42	24.01
GPRS (GMSK, 2-Slots)	29.60	29.73	29.48	31.20	6.13	23.47	23.60	23.35	25.07
GPRS (GMSK, 3-Slots)	28.27	28.28	28.22	29.70	4.42	23.85	23.86	23.80	<b>25.28</b>
GPRS (GMSK, 4-Slots)	26.71	26.72	26.59	27.70	3.18	23.53	23.54	23.41	24.52
EGPRS (8PSK, 1-Slot)	26.55	26.47	26.38	27.70	9.19	17.36	17.28	17.19	18.51
EGPRS (8PSK, 2-Slots)	23.62	23.40	23.53	25.20	6.13	17.49	17.27	17.40	19.07
EGPRS (8PSK, 3-Slots)	22.20	22.25	22.21	24.20	4.42	17.78	17.83	17.79	19.78
EGPRS (8PSK, 4-Slots)	21.48	21.49	21.28	22.70	3.18	18.30	18.31	18.10	19.52

GSM-State18-Ant.0								
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm )
	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.03	32.17	31.93	32.70	22.84	22.98	22.74	23.51
GPRS (GMSK, 1-Slot)	32.06	32.18	31.95	32.70	22.87	22.99	22.76	23.51
GPRS (GMSK, 2-Slots)	29.74	29.78	29.73	30.70	23.61	23.65	23.60	24.57
GPRS (GMSK, 3-Slots)	28.37	28.59	28.46	29.20	23.95	24.17	24.04	<b>24.78</b>
GPRS (GMSK, 4-Slots)	25.89	26.11	25.93	27.20	22.71	22.93	22.75	24.02
EGPRS (8PSK, 1-Slot)	26.99	27.16	26.76	27.20	17.80	17.97	17.57	18.01
EGPRS (8PSK, 2-Slots)	23.93	23.98	23.83	24.70	17.80	17.85	17.70	18.57
EGPRS (8PSK, 3-Slots)	22.79	22.86	22.74	23.70	18.37	18.44	18.32	19.28
EGPRS (8PSK, 4-Slots)	21.86	21.86	21.71	22.20	18.68	18.68	18.53	19.02

## 8.1.2 GSM (Ant.1) Output Power

GSM-State17-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)	32.64	32.72	32.63	33.50	9.19	23.45	23.53	23.44	24.31
GPRS (GMSK, 1-Slot)	32.49	32.46	32.48	33.50	9.19	23.30	23.27	23.29	24.31
GPRS (GMSK, 2-Slots)	29.68	29.82	29.74	31.50	6.13	23.55	23.69	23.61	25.37
GPRS (GMSK, 3-Slots)	28.34	28.45	28.08	30.00	4.42	23.92	24.03	23.66	25.58
GPRS (GMSK, 4-Slots)	26.34	26.44	26.54	28.00	3.18	23.16	23.26	23.36	24.82
EGPRS (8PSK, 1-Slot)	26.23	26.30	26.32	28.00	9.19	17.04	17.11	17.13	18.81
EGPRS (8PSK, 2-Slots)	23.62	23.81	23.74	25.50	6.13	17.49	17.68	17.61	19.37
EGPRS (8PSK, 3-Slots)	23.00	22.82	22.94	24.50	4.42	18.58	18.40	18.52	20.08
EGPRS (8PSK, 4-Slots)	21.25	21.24	21.08	23.00	3.18	18.07	18.06	17.90	19.82

GSM-State18-Ant.1								
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)	32.64	32.72	32.63	33.50	23.45	23.53	23.44	24.31
GPRS (GMSK, 1-Slot)	32.49	32.46	32.48	33.50	23.30	23.27	23.29	24.31
GPRS (GMSK, 2-Slots)	29.68	29.82	29.74	31.50	23.55	23.69	23.61	25.37
GPRS (GMSK, 3-Slots)	28.34	28.45	28.08	30.00	23.92	24.03	23.66	25.58
GPRS (GMSK, 4-Slots)	26.34	26.44	26.54	28.00	23.16	23.26	23.36	24.82
EGPRS (8PSK, 1-Slot)	26.23	26.30	26.32	28.00	17.04	17.11	17.13	18.81
EGPRS (8PSK, 2-Slots)	23.62	23.81	23.74	25.50	17.49	17.68	17.61	19.37
EGPRS (8PSK, 3-Slots)	23.00	22.82	22.94	24.50	18.58	18.40	18.52	20.08
EGPRS (8PSK, 4-Slots)	21.25	21.24	21.08	23.00	18.07	18.06	17.90	19.82

## 8.1.3 GSM (Ant.3) Output Power

GSM-State17-Ant.3									
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)	28.21	28.24	28.23	29.00	9.19	19.02	19.05	19.04	19.81
GPRS (GMSK, 1-Slot)	28.22	28.06	28.18	29.00	9.19	19.03	18.87	18.99	19.81
GPRS (GMSK, 2-Slots)	25.49	25.57	25.75	26.50	6.13	19.36	19.44	19.62	20.37
GPRS (GMSK, 3-Slots)	24.65	24.67	24.64	25.50	4.42	20.23	20.25	20.22	<b>21.08</b>
GPRS (GMSK, 4-Slots)	23.32	23.10	23.27	24.00	3.18	20.14	19.92	20.09	20.82
EGPRS (8PSK, 1-Slot)	24.17	24.28	24.34	25.50	9.19	14.98	15.09	15.15	16.31
EGPRS (8PSK, 2-Slots)	23.04	22.91	23.00	23.50	6.13	16.91	16.78	16.87	17.37
EGPRS (8PSK, 3-Slots)	21.25	21.27	21.28	22.50	4.42	16.83	16.85	16.86	18.08
EGPRS (8PSK, 4-Slots)	20.38	20.48	20.39	21.50	3.18	17.20	17.30	17.21	18.32

GSM-State18-Ant.3								
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm )
	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	25.17	25.26	25.27	26.10	15.98	16.07	16.08	16.91
GPRS (GMSK, 1-Slot)	25.14	25.22	25.20	26.10	15.95	16.03	16.01	16.91
GPRS (GMSK, 2-Slots)	22.68	22.84	22.71	23.60	16.55	16.71	16.58	17.47
GPRS (GMSK, 3-Slots)	22.11	22.18	21.92	22.60	17.69	17.76	17.50	<b>18.18</b>
GPRS (GMSK, 4-Slots)	20.25	20.29	20.39	21.10	17.07	17.11	17.21	17.92
EGPRS (8PSK, 1-Slot)	22.28	22.12	22.19	22.60	13.09	12.93	13.00	13.41
EGPRS (8PSK, 2-Slots)	19.93	19.93	20.01	20.60	13.80	13.80	13.88	14.47
EGPRS (8PSK, 3-Slots)	19.27	19.30	19.30	19.60	14.85	14.88	14.88	15.18
EGPRS (8PSK, 4-Slots)	17.71	17.82	17.76	18.60	14.53	14.64	14.58	15.42

## 8.1.4 GSM (Ant.4) Output Power

GSM-State17-Ant.4									
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)	29.35	29.96	29.67	30.50	9.19	20.16	20.77	20.48	21.31
GPRS (GMSK, 1-Slot)	30.32	30.19	30.49	30.50	9.19	21.13	21.00	21.30	21.31
GPRS (GMSK, 2-Slots)	26.39	26.49	26.82	28.00	6.13	20.26	20.36	20.69	21.87
GPRS (GMSK, 3-Slots)	25.83	25.96	25.57	27.00	4.42	21.41	21.54	21.15	22.58
GPRS (GMSK, 4-Slots)	24.01	24.06	24.23	25.50	3.18	20.83	20.88	21.05	22.32
EGPRS (8PSK, 1-Slot)	25.24	25.12	25.03	27.00	9.19	16.05	15.93	15.84	17.81
EGPRS (8PSK, 2-Slots)	23.14	23.29	23.65	25.00	6.13	17.01	17.16	17.52	18.87
EGPRS (8PSK, 3-Slots)	22.04	22.17	22.46	24.00	4.42	17.62	17.75	18.04	19.58
EGPRS (8PSK, 4-Slots)	21.18	21.33	21.60	23.00	3.18	18.00	18.15	18.42	19.82



GSM-State18-Ant.4								
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)	29.35	29.96	29.67	30.50	20.16	20.77	20.48	21.31
GPRS (GMSK, 1-Slot)	30.32	30.19	30.49	30.50	21.13	21.00	21.30	21.31
GPRS (GMSK, 2-Slots)	26.39	26.49	26.82	28.00	20.26	20.36	20.69	21.87
GPRS (GMSK, 3-Slots)	25.83	25.96	25.57	27.00	21.41	21.54	21.15	22.58
GPRS (GMSK, 4-Slots)	24.01	24.06	24.23	25.50	20.83	20.88	21.05	22.32
EGPRS (8PSK, 1-Slot)	25.24	25.12	25.03	27.00	16.05	15.93	15.84	17.81
EGPRS (8PSK, 2-Slots)	23.14	23.29	23.65	25.00	17.01	17.16	17.52	18.87
EGPRS (8PSK, 3-Slots)	22.04	22.17	22.46	24.00	17.62	17.75	18.04	19.58
EGPRS (8PSK, 4-Slots)	21.18	21.33	21.60	23.00	18.00	18.15	18.42	19.82

## 8.2 WCDMA Output Power

### 8.2.1 WCDMA (Ant.0) Output Power

WCDMA-State17-Ant.0				
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	23.95	<b>24.1</b>	23.97	24.90
AMR 12.2Kbps	23.92	23.98	23.97	24.90
HSDPA Subtest-1	22.41	22.39	22.27	23.90
HSDPA Subtest-2	22.26	22.40	22.33	23.90
HSDPA Subtest-3	21.52	21.58	21.49	23.40
HSDPA Subtest-4	21.63	21.57	21.52	23.40
DC-HSDPA Subtest-1	22.21	22.20	22.27	23.90
DC-HSDPA Subtest-2	22.12	22.33	22.27	23.90
DC-HSDPA Subtest-3	21.45	21.52	21.57	23.40
DC-HSDPA Subtest-4	21.52	21.53	21.62	23.40
HSUPA Subtest-1	22.28	22.43	22.49	23.90
HSUPA Subtest-2	20.09	20.12	20.16	21.90
HSUPA Subtest-3	21.21	21.15	21.14	22.90
HSUPA Subtest-4	20.11	19.90	20.05	21.90
HSUPA Subtest-5	<b>22.51</b>	22.41	22.44	23.90
HSPA+	21.50	21.46	21.57	23.40

WCDMA-State18-Ant.0				
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	23.35	<b>23.48</b>	23.41	24.90
AMR 12.2Kbps	23.24	23.36	23.38	24.90
HSDPA Subtest-1	22.38	22.48	22.40	23.90
HSDPA Subtest-2	22.54	22.51	22.53	23.90
HSDPA Subtest-3	22.08	21.98	21.83	23.40
HSDPA Subtest-4	22.05	21.94	21.84	23.40
DC-HSDPA Subtest-1	22.35	22.37	22.37	23.90
DC-HSDPA Subtest-2	22.43	22.42	22.35	23.90
DC-HSDPA Subtest-3	21.93	21.98	21.70	23.40
DC-HSDPA Subtest-4	21.94	21.88	21.73	23.40
HSUPA Subtest-1	22.63	22.50	22.60	23.90
HSUPA Subtest-2	20.62	20.48	20.33	21.90
HSUPA Subtest-3	21.48	21.50	21.53	22.90
HSUPA Subtest-4	20.35	20.49	20.40	21.90
HSUPA Subtest-5	22.42	22.43	<b>22.53</b>	23.90
HSPA+	21.79	21.85	21.92	23.40

## 8.2.2 WCDMA (Ant.1) Output Power

WCDMA-State17-Ant.1				
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	23.49	<b>23.59</b>	23.46	25.00
AMR 12.2Kbps	23.43	23.41	23.34	25.00
HSDPA Subtest-1	22.65	22.24	22.54	24.00
HSDPA Subtest-2	22.25	22.35	22.74	24.00
HSDPA Subtest-3	21.61	21.72	21.67	23.50
HSDPA Subtest-4	21.72	21.59	21.81	23.50
DC-HSDPA Subtest-1	22.42	22.38	22.57	24.00
DC-HSDPA Subtest-2	22.45	22.37	22.61	24.00
DC-HSDPA Subtest-3	21.68	21.59	21.74	23.50
DC-HSDPA Subtest-4	21.64	21.53	21.75	23.50
HSUPA Subtest-1	22.34	22.51	22.48	24.00
HSUPA Subtest-2	20.52	20.61	20.56	22.00
HSUPA Subtest-3	21.42	21.57	21.54	23.00
HSUPA Subtest-4	20.40	20.39	20.40	22.00
HSUPA Subtest-5	<b>22.62</b>	22.51	22.06	24.00
HSPA+	21.01	21.09	21.10	22.50

WCDMA-State18-Ant.1				
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	23.49	<b>23.59</b>	23.46	25.00
AMR 12.2Kbps	23.43	23.41	23.34	25.00
HSDPA Subtest-1	22.65	22.24	22.54	24.00
HSDPA Subtest-2	22.25	22.35	22.74	24.00
HSDPA Subtest-3	21.61	21.72	21.67	23.50
HSDPA Subtest-4	21.72	21.59	21.81	23.50
DC-HSDPA Subtest-1	22.42	22.38	22.57	24.00
DC-HSDPA Subtest-2	22.45	22.37	22.61	24.00
DC-HSDPA Subtest-3	21.68	21.59	21.74	23.50
DC-HSDPA Subtest-4	21.64	21.53	21.75	23.50
HSUPA Subtest-1	22.34	22.51	22.48	24.00
HSUPA Subtest-2	20.52	20.61	20.56	22.00
HSUPA Subtest-3	21.42	21.57	21.54	23.00
HSUPA Subtest-4	20.40	20.39	20.40	22.00
HSUPA Subtest-5	<b>22.62</b>	22.51	22.06	24.00
HSPA+	21.01	21.09	21.10	22.50

## 8.2.3 WCDMA (Ant.3) Output Power

WCDMA-State17-Ant.3				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	20.19	<b>20.24</b>	20.14	20.50
AMR 12.2Kbps	20.18	20.03	19.96	20.50
HSDPA Subtest-1	19.69	19.79	19.64	20.00
HSDPA Subtest-2	19.79	19.82	19.93	20.00
HSDPA Subtest-3	18.82	18.71	18.58	19.00
HSDPA Subtest-4	18.84	18.70	18.62	19.00
DC-HSDPA Subtest-1	19.56	19.63	19.60	20.00
DC-HSDPA Subtest-2	19.66	19.79	19.74	20.00
DC-HSDPA Subtest-3	18.65	18.67	18.57	19.00
DC-HSDPA Subtest-4	18.74	18.54	18.52	19.00
HSUPA Subtest-1	19.88	19.80	19.95	20.00
HSUPA Subtest-2	17.28	17.27	17.21	18.50
HSUPA Subtest-3	18.35	18.24	18.19	19.50
HSUPA Subtest-4	17.10	17.22	17.28	18.50
HSUPA Subtest-5	19.63	19.77	19.84	20.00
HSPA+	17.27	17.10	17.19	19.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	18.95	<b>18.98</b>	18.94	19.80
AMR 12.2Kbps	18.94	18.79	18.90	19.80
HSDPA Subtest-1	18.66	18.78	18.75	19.60
HSDPA Subtest-2	18.93	18.84	18.88	19.60
HSDPA Subtest-3	17.39	17.49	17.63	18.30
HSDPA Subtest-4	17.57	17.47	17.42	18.30
DC-HSDPA Subtest-1	18.54	18.78	18.62	19.60
DC-HSDPA Subtest-2	18.93	18.81	18.87	19.60
DC-HSDPA Subtest-3	17.36	17.48	17.47	18.30
DC-HSDPA Subtest-4	17.56	17.27	17.26	18.30
HSUPA Subtest-1	18.91	18.76	18.91	19.60
HSUPA Subtest-2	15.88	16.01	15.98	16.80
HSUPA Subtest-3	17.11	16.99	17.13	17.80
HSUPA Subtest-4	15.90	15.90	15.99	16.80
HSUPA Subtest-5	18.94	18.80	18.74	19.30
HSPA+	16.86	16.79	16.77	18.30

WCDMA-State18-Ant.3				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	16.90	<b>16.93</b>	16.82	17.20
AMR 12.2Kbps	16.79	16.71	16.65	17.20
HSDPA Subtest-1	16.45	16.48	16.33	16.70
HSDPA Subtest-2	16.49	16.50	16.55	16.70
HSDPA Subtest-3	15.43	15.44	15.48	15.70
HSDPA Subtest-4	15.32	15.42	15.44	15.70
DC-HSDPA Subtest-1	16.35	16.42	16.27	16.70
DC-HSDPA Subtest-2	16.46	16.38	16.55	16.70
DC-HSDPA Subtest-3	15.40	15.44	15.48	15.70
DC-HSDPA Subtest-4	15.27	15.27	15.33	15.70
HSUPA Subtest-1	16.54	16.49	16.46	16.70
HSUPA Subtest-2	14.05	13.95	13.89	15.20
HSUPA Subtest-3	14.87	14.92	14.81	16.20
HSUPA Subtest-4	13.83	13.93	14.01	15.20
HSUPA Subtest-5	16.55	16.41	16.26	16.70
HSPA+	13.84	13.83	14.08	15.70
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	15.45	15.47	15.42	16.30
AMR 12.2Kbps	15.31	15.32	15.41	16.30
HSDPA Subtest-1	15.30	15.30	15.44	16.10
HSDPA Subtest-2	15.37	15.35	15.34	16.10
HSDPA Subtest-3	14.07	13.98	14.08	14.80
HSDPA Subtest-4	14.00	13.99	13.91	14.80
DC-HSDPA Subtest-1	15.22	15.10	15.30	16.10
DC-HSDPA Subtest-2	15.35	15.23	15.17	16.10
DC-HSDPA Subtest-3	13.94	13.98	14.03	14.80
DC-HSDPA Subtest-4	14.00	13.89	13.74	14.80
HSUPA Subtest-1	15.25	15.38	<b>15.49</b>	16.10
HSUPA Subtest-2	12.61	12.49	12.49	13.30
HSUPA Subtest-3	13.48	13.54	13.69	14.30
HSUPA Subtest-4	12.66	12.55	12.66	13.30
HSUPA Subtest-5	15.43	15.29	15.43	15.80
HSPA+	12.84	12.92	13.24	14.80

8.2.4 WCDMA (Ant.4) Output Power

WCDMA-State17-Ant.4				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	20.16	20.19	20.17	20.90
AMR 12.2Kbps	19.96	19.99	20.17	20.90
HSDPA Subtest-1	19.77	19.74	19.64	20.40
HSDPA Subtest-2	19.69	19.76	19.72	20.40
HSDPA Subtest-3	18.58	18.68	18.61	19.40
HSDPA Subtest-4	18.58	18.65	18.52	19.40
DC-HSDPA Subtest-1	19.68	19.65	19.45	20.40
DC-HSDPA Subtest-2	19.59	19.68	19.52	20.40
DC-HSDPA Subtest-3	18.45	18.63	18.61	19.40
DC-HSDPA Subtest-4	18.54	18.55	18.47	19.40
HSUPA Subtest-1	19.64	19.62	19.71	20.40
HSUPA Subtest-2	17.44	17.31	17.24	18.90
HSUPA Subtest-3	18.40	18.26	18.26	19.90
HSUPA Subtest-4	17.31	17.21	17.30	18.90
HSUPA Subtest-5	19.59	19.64	19.65	20.40
HSPA+	18.17	18.30	18.23	19.40
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	21.23	21.28	21.17	22.20
AMR 12.2Kbps	21.17	21.22	21.14	22.20
HSDPA Subtest-1	21.03	21.07	20.99	22.00
HSDPA Subtest-2	21.11	21.09	21.12	22.00
HSDPA Subtest-3	19.66	19.76	19.64	20.70
HSDPA Subtest-4	19.70	19.75	19.80	20.70
DC-HSDPA Subtest-1	20.84	20.82	20.97	22.00
DC-HSDPA Subtest-2	21.06	20.94	21.01	22.00
DC-HSDPA Subtest-3	19.56	19.75	19.49	20.70
DC-HSDPA Subtest-4	19.57	19.65	19.73	20.70
HSUPA Subtest-1	21.05	20.97	20.85	22.00
HSUPA Subtest-2	18.16	18.21	18.10	19.20
HSUPA Subtest-3	19.10	19.23	19.10	20.20
HSUPA Subtest-4	18.42	18.27	18.23	19.20
HSUPA Subtest-5	20.91	21.01	21.01	22.00
HSPA+	19.19	19.30	19.35	20.70

WCDMA-State18-Ant.4				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	22.63	22.72	22.63	24.00
AMR 12.2Kbps	22.60	22.54	22.61	24.00
HSDPA Subtest-1	22.31	22.16	22.01	23.50
HSDPA Subtest-2	22.20	22.22	22.32	23.50
HSDPA Subtest-3	21.77	21.70	21.72	22.50
HSDPA Subtest-4	21.68	21.67	21.52	22.50
DC-HSDPA Subtest-1	22.22	22.09	21.89	23.50
DC-HSDPA Subtest-2	22.16	22.22	22.17	23.50
DC-HSDPA Subtest-3	21.68	21.70	21.54	22.50
DC-HSDPA Subtest-4	21.66	21.65	21.51	22.50
HSUPA Subtest-1	21.93	22.03	22.04	23.50
HSUPA Subtest-2	20.66	20.62	20.59	22.00
HSUPA Subtest-3	21.60	21.62	21.74	23.00
HSUPA Subtest-4	20.51	20.65	20.62	22.00
HSUPA Subtest-5	22.13	22.19	22.17	23.50
HSPA+	20.86	20.73	20.72	22.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	22.74	22.78	22.68	24.00
AMR 12.2Kbps	22.71	22.74	22.63	24.00
HSDPA Subtest-1	22.38	22.25	22.24	23.80
HSDPA Subtest-2	22.46	22.31	22.24	23.80
HSDPA Subtest-3	21.36	21.31	21.37	22.50
HSDPA Subtest-4	21.38	21.27	21.27	22.50
DC-HSDPA Subtest-1	22.33	22.11	22.22	23.80
DC-HSDPA Subtest-2	22.39	22.21	22.21	23.80
DC-HSDPA Subtest-3	21.31	21.19	21.35	22.50
DC-HSDPA Subtest-4	21.26	21.23	21.12	22.50
HSUPA Subtest-1	22.45	22.33	22.41	23.80
HSUPA Subtest-2	20.27	20.30	20.25	21.00
HSUPA Subtest-3	21.24	21.21	21.07	22.00
HSUPA Subtest-4	20.37	20.42	20.45	21.00
HSUPA Subtest-5	22.12	22.27	22.18	23.80
HSPA+	20.67	20.86	20.53	22.50

## 8.3 LTE Output Power

## 8.3.1 LTE Band2 (Ant.3) Output Power

LTE B2-State17 -Ant.3								
Bandwidth	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.13	19.87	19.75	20.60	
		MID	QPSK	20.06	19.96	19.94	20.60	
		HIGH	QPSK	20.08	19.82	19.73	20.60	
	3	LOW	QPSK	19.91	19.96	19.80	20.60	
		MID	QPSK	20.24	19.90	20.01	20.60	
		HIGH	QPSK	20.09	20.11	20.03	20.60	
	6	LOW	QPSK	20.19	20.04	20.15	20.60	
		LOW	Q16	20.51	20.40	20.32	20.60	
		MID	Q16	20.39	<b>20.58</b>	20.23	20.60	
1.4	1	HIGH	Q16	20.39	20.52	20.16	20.60	
		LOW	Q16	19.91	19.90	19.95	20.60	
		MID	Q16	20.16	19.98	19.97	20.60	
	3	HIGH	Q16	20.17	19.97	19.89	20.60	
		LOW	Q16	20.26	19.84	19.98	20.60	
		MID	Q16	20.26	19.84	19.98	20.60	
	1.4	1	LOW	64QAM	20.43	20.35	20.21	20.60
			MID	64QAM	20.36	20.45	20.23	20.60
			HIGH	64QAM	20.41	20.57	20.31	20.60
3		LOW	64QAM	20.13	19.96	20.00	20.60	
		MID	64QAM	20.03	19.93	19.88	20.60	
		HIGH	64QAM	20.09	20.13	19.84	20.60	
6		LOW	64QAM	20.18	20.12	20.11	20.50	
		RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)	
		3	1	LOW	QPSK	20.06	19.78	19.78
MID	QPSK			19.91	19.87	19.70	20.60	
HIGH	QPSK			20.05	19.84	19.79	20.60	
8	LOW		QPSK	19.96	20.06	19.77	20.60	
	MID		QPSK	19.99	20.07	19.89	20.60	
	HIGH		QPSK	19.94	20.20	19.97	20.60	
3	15		LOW	QPSK	20.26	20.00	19.92	20.60
			LOW	Q16	20.54	20.49	20.28	20.60
			MID	Q16	20.36	20.30	20.23	20.60
	8	HIGH	Q16	20.41	20.52	20.37	20.60	
		LOW	Q16	20.06	20.03	20.00	20.60	
		MID	Q16	20.08	19.98	20.16	20.60	
	15	HIGH	Q16	20.30	20.06	19.88	20.60	
		LOW	Q16	20.04	19.96	19.93	20.60	
		LOW	64QAM	20.42	20.38	20.20	20.60	
3	1	MID	64QAM	<b>20.59</b>	20.46	20.39	20.60	
		HIGH	64QAM	20.42	20.58	20.22	20.60	
		LOW	64QAM	20.08	19.86	19.85	20.50	
	8	MID	64QAM	20.01	20.03	20.00	20.50	
		HIGH	64QAM	20.29	20.04	19.94	20.50	
		LOW	64QAM	19.99	20.07	20.14	20.50	
	5	1	LOW	QPSK	20.09	19.97	19.78	20.60
			MID	QPSK	20.10	20.07	19.80	20.60
			HIGH	QPSK	20.00	19.98	19.85	20.60
12		LOW	QPSK	20.13	20.07	19.82	20.60	
		MID	QPSK	20.02	19.84	20.12	20.60	
		HIGH	QPSK	20.08	19.95	20.03	20.60	
25		LOW	QPSK	19.96	19.93	19.92	20.60	
		LOW	Q16	20.56	20.41	20.16	20.60	
		MID	Q16	20.47	20.52	20.36	20.60	
5	1	HIGH	Q16	20.58	20.39	20.22	20.60	
		LOW	Q16	19.96	19.98	19.79	20.60	
		MID	Q16	20.22	20.00	20.10	20.60	
	12	HIGH	Q16	20.31	20.01	20.01	20.60	
		LOW	Q16	20.01	19.96	19.92	20.60	
		LOW	64QAM	20.49	20.43	20.40	20.60	
	5	1	MID	64QAM	20.42	20.56	20.26	20.60
			HIGH	64QAM	<b>20.59</b>	20.34	20.35	20.60
			LOW	64QAM	19.98	19.85	19.82	20.50
12		MID	64QAM	20.06	19.86	20.17	20.50	
		HIGH	64QAM	20.09	20.15	19.90	20.50	
		LOW	64QAM	20.23	20.02	19.87	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	20.08	19.87	19.89	20.60	
		MID	QPSK	20.06	20.02	19.89	20.60	
		HIGH	QPSK	19.98	20.01	19.97	20.60	
	25	LOW	QPSK	20.01	19.88	19.76	20.60	
		MID	QPSK	20.13	20.06	19.98	20.60	
		HIGH	QPSK	20.06	20.05	19.84	20.60	
	50	LOW	QPSK	20.24	19.90	20.12	20.60	
		LOW	Q16	20.49	20.38	20.29	20.60	
		MID	Q16	20.34	<b>20.59</b>	20.15	20.60	
10	1	HIGH	Q16	20.42	20.32	20.32	20.60	
		LOW	Q16	19.98	19.99	20.02	20.60	
		MID	Q16	19.97	19.90	20.12	20.60	
	25	HIGH	Q16	20.22	20.00	19.84	20.60	
		LOW	Q16	20.03	20.11	20.10	20.60	
		LOW	64QAM	20.44	20.42	20.18	20.60	
	50	MID	64QAM	20.47	20.37	20.20	20.60	
		HIGH	64QAM	20.42	20.30	20.22	20.60	
		LOW	64QAM	20.10	19.95	19.93	20.50	
10	25	MID	64QAM	20.13	19.95	20.01	20.50	
		HIGH	64QAM	20.07	20.21	20.05	20.50	
		LOW	64QAM	20.20	20.07	20.06	20.50	
	50	LOW	64QAM	20.20	20.07	20.06	20.50	
		LOW	QPSK	20.12	19.81	19.89	20.60	
		MID	QPSK	19.87	19.92	19.88	20.60	
	15	1	HIGH	QPSK	20.07	20.07	19.73	20.60
			LOW	QPSK	19.87	19.92	20.03	20.60
			MID	QPSK	20.10	19.97	19.91	20.60
36		HIGH	QPSK	19.94	20.24	20.03	20.60	
		LOW	QPSK	20.25	19.94	20.03	20.60	
		LOW	Q16	<b>20.56</b>	20.54	20.36	20.60	
75		MID	Q16	20.51	20.30	20.35	20.60	
		HIGH	Q16	20.48	20.45	20.25	20.60	
		LOW	Q16	19.94	19.91	19.86	20.60	
15	36	MID	Q16	20.01	19.93	20.17	20.60	
		HIGH	Q16	20.18	20.00	20.00	20.60	
		LOW	Q16	20.16	20.08	19.87	20.60	
	75	LOW	64QAM	20.42	20.51	20.23	20.60	
		MID	64QAM	20.42	20.51	20.35	20.60	
		HIGH	64QAM	20.43	20.42	20.32	20.60	
	15	LOW	64QAM	19.96	20.09	19.75	20.50	
		MID	64QAM	20.00	19.91	20.01	20.50	
		HIGH	64QAM	20.12	20.19	19.87	20.50	
75	LOW	64QAM	20.08	19.96	20.12	20.50		
	LOW	QPSK	20.00	19.91	19.84	20.60		
	MID	QPSK	20.02	19.98	19.84	20.60		
20	1	HIGH	QPSK	19.93	<b>20.04</b>	19.86	20.60	
		LOW	QPSK	19.99	19.99	19.90	20.60	
		MID	QPSK	20.05	19.98	20.03	20.60	
	50	HIGH	QPSK	20.08	<b>20.09</b>	19.98	20.60	
		LOW	QPSK	20.11	19.95	20.00	20.60	
		LOW	Q16	<b>20.58</b>	20.49	20.30	20.60	
	100	MID	Q16	20.53	20.45	20.30	20.60	
		HIGH	Q16	20.54	20.45	20.27	20.60	
		LOW	Q16	20.03	19.99	19.87	20.60	
20	50	MID	Q16	20.12	20.00	20.02	20.60	
		HIGH	Q16	20.16	20.11	19.95	20.60	
		LOW	Q16	20.12	19.97	20.00	20.60	
	100	LOW	64QAM	20.46	20.46	20.22	20.60	
		MID	64QAM	20.57	20.48	20.24	20.60	
		HIGH	64QAM	20.57	20.52	20.35	20.60	
	1	LOW	64QAM	19.90	20.04	19.89	20.50	
		MID	64QAM	20.08	19.96	19.90	20.50	
		HIGH	64QAM	20.22	20.16	19.88	20.50	
100	LOW	64QAM	20.01	19.89	20.02	20.50		

LTE B2-State18 -Ant.3								
Bandwidth	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	17.18	17.25	17.10	17.70	
		MID	QPSK	16.96	17.03	17.08	17.70	
		HIGH	QPSK	17.19	17.00	17.05	17.70	
	3	LOW	QPSK	17.12	17.11	17.13	17.70	
		MID	QPSK	17.23	17.01	17.20	17.70	
		HIGH	QPSK	17.29	17.36	17.25	17.70	
	6	LOW	QPSK	17.16	17.10	17.18	17.70	
		MID	Q16	17.57	17.68	17.44	17.70	
		HIGH	Q16	17.46	17.43	17.50	17.70	
1.4	1	LOW	Q16	17.43	17.60	17.52	17.70	
		MID	Q16	17.14	17.12	17.16	17.70	
		HIGH	Q16	17.41	17.08	17.09	17.70	
	3	LOW	Q16	17.15	17.15	16.98	17.70	
		MID	Q16	17.36	17.05	17.26	17.70	
		HIGH	Q16	17.37	17.44	17.40	17.70	
	1.4	1	LOW	64QAM	17.40	17.45	17.46	17.70
			MID	64QAM	17.48	17.50	17.47	17.70
			HIGH	64QAM	17.07	17.10	16.94	17.70
3		LOW	64QAM	17.24	17.17	17.00	17.70	
		MID	64QAM	17.36	17.32	17.26	17.70	
		HIGH	64QAM	17.19	17.16	17.11	17.70	
3	1	LOW	QPSK	17.05	16.95	17.05	17.70	
		MID	QPSK	17.16	17.03	16.93	17.70	
		HIGH	QPSK	17.11	17.14	16.89	17.70	
	8	LOW	QPSK	17.09	17.26	17.11	17.70	
		MID	QPSK	17.24	17.05	17.27	17.70	
		HIGH	QPSK	17.38	17.21	17.16	17.70	
	15	LOW	QPSK	17.27	17.03	17.10	17.70	
		MID	Q16	17.24	17.60	17.61	17.70	
		HIGH	Q16	17.37	17.34	17.40	17.70	
3	1	LOW	Q16	17.31	17.69	17.40	17.70	
		MID	Q16	17.02	17.00	17.05	17.70	
		HIGH	Q16	17.48	17.16	17.19	17.70	
	8	LOW	Q16	17.24	17.11	17.27	17.70	
		MID	Q16	17.22	17.27	17.11	17.70	
		HIGH	Q16	17.63	17.46	17.45	17.70	
	3	1	LOW	64QAM	17.37	17.21	17.42	17.70
			MID	64QAM	17.37	17.62	17.41	17.70
			HIGH	64QAM	17.03	17.13	17.03	17.70
8		LOW	64QAM	17.18	17.21	17.00	17.70	
		MID	64QAM	17.14	17.16	17.15	17.70	
		HIGH	64QAM	17.35	17.09	17.27	17.70	
5	1	LOW	QPSK	17.22	17.17	16.96	17.70	
		MID	QPSK	17.11	17.00	17.10	17.70	
		HIGH	QPSK	17.29	17.16	16.95	17.70	
	12	LOW	QPSK	17.05	17.11	17.03	17.70	
		MID	QPSK	17.30	16.98	17.28	17.70	
		HIGH	QPSK	17.30	17.28	17.05	17.70	
	25	LOW	QPSK	17.22	17.06	17.21	17.70	
		MID	Q16	17.50	17.63	17.66	17.70	
		HIGH	Q16	17.38	17.58	17.47	17.70	
5	1	LOW	Q16	17.40	17.50	17.61	17.70	
		MID	Q16	17.00	17.10	17.06	17.70	
		HIGH	Q16	17.19	17.25	17.15	17.70	
	12	LOW	Q16	17.42	17.15	16.98	17.70	
		MID	Q16	17.35	17.20	17.19	17.70	
		HIGH	Q16	17.54	17.58	17.47	17.70	
5	1	LOW	64QAM	17.54	17.58	17.61	17.70	
		MID	64QAM	17.41	17.52	17.65	17.70	
		HIGH	64QAM	17.04	17.19	17.09	17.70	
	12	LOW	64QAM	17.29	17.19	17.14	17.70	
		MID	64QAM	17.32	17.15	17.02	17.70	
		HIGH	64QAM	17.27	17.23	17.11	17.70	



Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	16.99	17.18	16.91	17.70	
		MID	QPSK	17.16	16.99	17.01	17.70	
		HIGH	QPSK	17.08	17.30	17.11	17.70	
	25	LOW	QPSK	17.06	17.16	17.02	17.70	
		MID	QPSK	17.41	17.15	17.26	17.70	
		HIGH	QPSK	17.40	17.14	17.07	17.70	
	50	LOW	QPSK	17.24	17.07	17.11	17.70	
	10	1	LOW	Q16	<b>17.65</b>	17.43	17.44	17.70
			MID	Q16	17.27	17.42	17.58	17.70
			HIGH	Q16	17.39	<b>17.65</b>	17.43	17.70
		25	LOW	Q16	17.08	17.01	17.11	17.70
			MID	Q16	17.48	17.21	17.17	17.70
HIGH			Q16	17.40	17.30	17.03	17.70	
50		LOW	Q16	17.38	17.22	17.30	17.70	
10		1	LOW	64QAM	17.62	17.44	17.59	17.70
			MID	64QAM	17.52	17.55	17.58	17.70
			HIGH	64QAM	17.58	17.48	17.47	17.70
		25	LOW	64QAM	17.20	17.28	17.09	17.70
			MID	64QAM	17.32	17.34	17.23	17.70
	HIGH		64QAM	17.17	17.14	17.24	17.70	
	50	LOW	64QAM	17.36	16.99	17.25	17.70	
	15	1	LOW	QPSK	17.20	17.00	17.13	17.70
			MID	QPSK	17.02	17.02	17.02	17.70
			HIGH	QPSK	17.26	17.13	16.86	17.70
		36	LOW	QPSK	17.01	17.14	16.95	17.70
			MID	QPSK	17.15	16.99	17.07	17.70
HIGH			QPSK	17.27	17.30	17.09	17.70	
75		LOW	QPSK	17.29	17.01	17.13	17.70	
15		1	LOW	Q16	17.62	17.55	17.42	17.70
			MID	Q16	17.48	17.42	17.48	17.70
			HIGH	Q16	17.36	17.58	17.46	17.70
		36	LOW	Q16	17.21	17.23	16.98	17.70
			MID	Q16	17.45	17.27	17.15	17.70
	HIGH		Q16	17.39	17.12	17.22	17.70	
	75	LOW	Q16	17.22	17.22	17.22	17.70	
	15	1	LOW	64QAM	<b>17.67</b>	17.43	17.50	17.70
			MID	64QAM	17.54	17.41	17.49	17.70
			HIGH	64QAM	17.37	17.61	17.49	17.70
		36	LOW	64QAM	17.27	17.26	17.03	17.70
			MID	64QAM	17.28	17.11	17.15	17.70
HIGH			64QAM	17.18	17.20	17.09	17.70	
75		LOW	64QAM	17.15	17.04	17.12	17.70	
20		1	LOW	QPSK	17.09	17.10	17.03	17.70
			MID	QPSK	17.08	17.13	17.00	17.70
			HIGH	QPSK	17.13	<b>17.15</b>	17.08	17.70
		50	LOW	QPSK	17.08	17.15	17.05	17.70
			MID	QPSK	17.14	17.11	<b>17.27</b>	17.70
	HIGH		QPSK	17.26	17.21	17.16	17.70	
	100	LOW	QPSK	<b>17.24</b>	17.11	17.17	17.70	
	20	1	LOW	Q16	<b>17.68</b>	17.57	17.52	17.70
			MID	Q16	17.41	17.56	17.46	17.70
			HIGH	Q16	17.43	17.59	17.50	17.70
		50	LOW	Q16	17.13	17.15	17.03	17.70
			MID	Q16	17.33	17.22	17.14	17.70
HIGH			Q16	17.27	17.24	17.13	17.70	
100		LOW	Q16	17.28	17.14	17.18	17.70	
20		1	LOW	64QAM	17.53	<b>17.68</b>	17.38	17.70
			MID	64QAM	17.32	17.48	17.54	17.70
			HIGH	64QAM	17.34	17.80	17.51	17.70
		50	LOW	64QAM	17.03	17.02	17.12	17.70
			MID	64QAM	17.38	17.31	17.08	17.70
	HIGH		64QAM	17.21	17.21	17.07	17.70	
	100	LOW	64QAM	17.17	17.15	17.20	17.70	

## 8.3.2 LTE Band2 (Ant.4) Output Power

LTE B2-State17 -Ant.4								
Bandwidth	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.96	21.01	20.81	21.60	
		MID	QPSK	20.93	20.94	20.87	21.60	
		HIGH	QPSK	21.04	21.04	20.88	21.60	
	3	LOW	QPSK	21.05	20.97	20.86	21.60	
		MID	QPSK	21.03	20.93	21.12	21.60	
		HIGH	QPSK	21.17	21.23	21.11	21.60	
	6	LOW	QPSK	20.97	21.15	21.15	21.60	
	1.4	1	LOW	Q16	21.48	21.45	21.20	21.60
			MID	Q16	21.42	21.38	21.39	21.60
HIGH			Q16	21.15	21.45	21.51	21.60	
3		LOW	Q16	20.44	20.50	20.62	21.60	
		MID	Q16	20.80	20.54	20.81	21.60	
		HIGH	Q16	20.70	20.80	20.60	21.60	
6		LOW	Q16	20.72	20.54	20.74	21.60	
1.4		1	LOW	64QAM	21.45	21.37	21.21	21.60
			MID	64QAM	21.42	21.37	21.24	21.60
	HIGH		64QAM	<b>21.56</b>	21.43	21.46	21.60	
	3	LOW	64QAM	20.49	20.79	20.39	21.60	
		MID	64QAM	20.65	20.59	20.82	21.60	
		HIGH	64QAM	20.80	20.71	20.81	21.60	
	6	LOW	64QAM	20.77	20.53	20.62	21.00	
	Bandwidth	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	20.88	20.85	20.90	21.60
MID			QPSK	20.88	21.06	20.78	21.60	
HIGH			QPSK	21.05	20.94	20.92	21.60	
8		LOW	QPSK	20.95	20.89	21.01	21.60	
		MID	QPSK	21.23	20.93	21.00	21.60	
		HIGH	QPSK	21.12	21.24	21.22	21.60	
15		LOW	QPSK	21.03	21.12	21.08	21.60	
3		1	LOW	Q16	21.54	21.51	21.35	21.60
			MID	Q16	<b>21.55</b>	21.50	21.19	21.60
	HIGH		Q16	21.54	21.48	21.45	21.60	
	8	LOW	Q16	20.53	20.65	20.59	21.60	
		MID	Q16	20.67	20.80	20.72	21.60	
		HIGH	Q16	20.74	20.73	20.53	21.60	
	15	LOW	Q16	20.66	20.48	20.74	21.60	
	3	1	LOW	64QAM	21.34	21.36	21.49	21.60
			MID	64QAM	21.41	21.54	21.43	21.60
HIGH			64QAM	21.35	21.43	21.27	21.60	
8		LOW	64QAM	20.67	20.50	20.52	21.00	
		MID	64QAM	20.90	20.80	20.82	21.00	
		HIGH	64QAM	20.76	20.63	20.72	21.00	
15		LOW	64QAM	20.66	20.59	20.59	21.00	
Bandwidth		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	20.87	20.92	20.77	21.60
	MID		QPSK	20.83	20.88	20.75	21.60	
	HIGH		QPSK	21.02	21.11	20.92	21.60	
	12	LOW	QPSK	20.99	20.96	21.05	21.60	
		MID	QPSK	21.11	20.85	21.12	21.60	
		HIGH	QPSK	21.12	21.01	21.20	21.60	
	25	LOW	QPSK	21.12	21.13	21.17	21.60	
	5	1	LOW	Q16	21.50	21.54	21.42	21.60
			MID	Q16	21.38	21.32	21.24	21.60
HIGH			Q16	21.45	21.40	21.53	21.60	
12		LOW	Q16	20.43	20.61	20.58	21.60	
		MID	Q16	20.87	20.70	20.64	21.60	
		HIGH	Q16	20.81	20.64	20.65	21.60	
25		LOW	Q16	20.64	20.66	20.76	21.60	
5		1	LOW	64QAM	21.38	<b>21.58</b>	21.24	21.60
			MID	64QAM	21.41	21.52	21.42	21.60
	HIGH		64QAM	21.45	21.34	21.37	21.60	
	12	LOW	64QAM	20.68	20.54	20.60	21.00	
		MID	64QAM	20.64	20.58	20.61	21.00	
		HIGH	64QAM	20.81	20.78	20.73	21.00	
	25	LOW	64QAM	20.82	20.50	20.62	21.00	

Bandwidth	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	20.88	21.05	20.83	21.60	
		MID	QPSK	20.83	21.07	20.74	21.60	
		HIGH	QPSK	21.04	21.14	20.90	21.60	
	25	LOW	QPSK	21.06	21.08	20.89	21.60	
		MID	QPSK	21.03	21.01	20.97	21.60	
		HIGH	QPSK	21.16	21.08	21.14	21.60	
	50	LOW	QPSK	21.21	20.85	21.04	21.60	
	10	1	LOW	Q16	21.33	21.36	21.30	21.60
			MID	Q16	21.54	21.32	21.35	21.60
HIGH			Q16	21.38	21.39	21.55	21.60	
25		LOW	Q16	20.58	20.72	20.38	21.60	
		MID	Q16	20.60	20.53	20.64	21.60	
		HIGH	Q16	20.76	20.65	20.60	21.60	
50		LOW	Q16	20.68	20.43	20.62	21.60	
10		1	LOW	64QAM	<b>21.57</b>	21.53	21.29	21.60
			MID	64QAM	21.42	21.46	21.22	21.60
	HIGH		64QAM	21.40	21.40	21.41	21.60	
	25	LOW	64QAM	20.45	20.66	20.60	21.00	
		MID	64QAM	20.72	20.57	20.64	21.00	
		HIGH	64QAM	20.68	20.72	20.70	21.00	
	50	LOW	64QAM	20.60	20.42	20.56	21.00	
	Bandwidth	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	20.89	20.86	20.93	21.60
MID			QPSK	20.97	21.02	20.77	21.60	
HIGH			QPSK	20.97	20.91	20.89	21.60	
36		LOW	QPSK	20.98	21.02	20.80	21.60	
		MID	QPSK	20.99	21.03	21.07	21.60	
		HIGH	QPSK	21.12	21.21	21.25	21.60	
75		LOW	QPSK	21.12	21.01	21.19	21.60	
15		1	LOW	Q16	<b>21.57</b>	21.49	21.37	21.60
			MID	Q16	21.53	21.53	21.40	21.60
	HIGH		Q16	21.32	21.35	21.52	21.60	
	36	LOW	Q16	20.51	20.50	20.63	21.60	
		MID	Q16	20.79	20.69	20.70	21.60	
		HIGH	Q16	20.83	20.58	20.57	21.60	
	75	LOW	Q16	20.67	20.47	20.56	21.60	
	15	1	LOW	64QAM	21.40	21.38	21.32	21.60
			MID	64QAM	21.33	21.32	21.25	21.60
HIGH			64QAM	21.45	21.40	21.42	21.60	
36		LOW	64QAM	20.63	20.61	20.52	21.00	
		MID	64QAM	20.83	20.66	20.65	21.00	
		HIGH	64QAM	20.75	20.84	20.78	21.00	
75		LOW	64QAM	20.68	20.63	20.81	21.00	
Bandwidth		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	20.98	20.90	20.89	21.60
	MID		QPSK	20.96	20.96	20.89	21.60	
	HIGH		QPSK	20.99	21.02	20.94	21.60	
	50	LOW	QPSK	20.97	21.02	20.95	21.60	
		MID	QPSK	21.08	20.98	21.09	21.60	
		HIGH	QPSK	21.12	21.13	21.11	21.60	
	100	LOW	QPSK	21.08	21.00	21.05	21.60	
	20	1	LOW	Q16	21.54	<b>21.58</b>	21.34	21.60
			MID	Q16	21.55	21.47	21.32	21.60
HIGH			Q16	21.56	21.55	21.42	21.60	
50		LOW	Q16	20.57	20.64	20.51	21.60	
		MID	Q16	20.75	20.78	20.81	21.60	
		HIGH	Q16	20.72	20.69	20.66	21.60	
100		LOW	Q16	20.72	20.57	20.66	21.60	
20		1	LOW	64QAM	21.52	21.48	21.41	21.60
			MID	64QAM	21.56	21.32	21.21	21.60
	HIGH		64QAM	21.42	21.51	21.45	21.60	
	50	LOW	64QAM	20.57	20.63	20.44	21.00	
		MID	64QAM	20.86	20.75	20.80	21.00	
		HIGH	64QAM	20.80	20.78	20.51	21.00	
	100	LOW	64QAM	20.70	20.66	20.70	21.00	

LTE B2-State18 -Ant.4							
Bandwidth	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.32	22.46	22.46	24.00
		MID	QPSK	22.44	22.44	22.47	24.00
		HIGH	QPSK	22.38	22.40	22.39	24.00
	3	LOW	QPSK	22.42	22.37	22.48	24.00
		MID	QPSK	22.41	22.45	22.48	24.00
		HIGH	QPSK	22.41	22.41	<b>22.52</b>	24.00
6	LOW	QPSK	21.48	21.53	21.46	23.00	
1.4	1	LOW	Q16	21.57	21.85	21.49	23.00
		MID	Q16	21.62	21.90	21.67	23.00
		HIGH	Q16	21.64	21.93	21.60	23.00
	3	LOW	Q16	21.60	21.71	21.73	23.00
		MID	Q16	21.63	21.73	21.79	23.00
		HIGH	Q16	21.60	21.70	21.69	23.00
6	LOW	Q16	20.77	20.44	20.73	22.00	
1.4	1	LOW	64QAM	20.55	20.83	20.51	22.00
		MID	64QAM	20.55	20.79	20.80	22.00
		HIGH	64QAM	20.77	21.07	20.59	22.00
	3	LOW	64QAM	20.47	20.65	20.59	22.00
		MID	64QAM	20.49	20.72	20.74	22.00
		HIGH	64QAM	20.53	20.55	20.70	22.00
6	LOW	64QAM	19.67	19.59	19.66	21.00	
Bandwidth	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.53	22.45	22.54	24.00
		MID	QPSK	22.57	22.54	<b>22.60</b>	24.00
		HIGH	QPSK	22.57	22.51	22.57	24.00
	8	LOW	QPSK	21.59	21.51	21.58	23.00
		MID	QPSK	21.60	21.56	21.61	23.00
		HIGH	QPSK	21.58	21.59	21.59	23.00
15	LOW	QPSK	21.60	21.59	21.59	23.00	
3	1	LOW	Q16	21.51	21.92	21.69	23.00
		MID	Q16	21.61	22.09	21.68	23.00
		HIGH	Q16	21.53	22.05	21.63	23.00
	8	LOW	Q16	20.73	20.59	20.65	22.00
		MID	Q16	20.69	20.69	20.69	22.00
		HIGH	Q16	20.70	20.67	20.60	22.00
15	LOW	Q16	20.67	20.64	20.63	22.00	
3	1	LOW	64QAM	20.39	20.98	20.62	22.00
		MID	64QAM	20.54	20.94	20.63	22.00
		HIGH	64QAM	20.48	21.14	20.49	22.00
	8	LOW	64QAM	19.63	19.49	19.76	21.00
		MID	64QAM	19.76	19.76	19.64	21.00
		HIGH	64QAM	19.58	19.75	19.66	21.00
15	LOW	64QAM	19.57	19.66	19.60	21.00	
Bandwidth	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.31	22.35	22.35	24.00
		MID	QPSK	<b>22.49</b>	22.45	22.47	24.00
		HIGH	QPSK	22.37	22.45	22.43	24.00
	12	LOW	QPSK	21.49	21.34	21.29	23.00
		MID	QPSK	21.54	21.49	21.52	23.00
		HIGH	QPSK	21.50	21.52	21.49	23.00
25	LOW	QPSK	21.46	21.46	21.40	23.00	
5	1	LOW	Q16	21.61	21.88	21.58	23.00
		MID	Q16	21.67	21.99	21.65	23.00
		HIGH	Q16	21.69	21.97	21.64	23.00
	12	LOW	Q16	20.57	20.54	20.49	22.00
		MID	Q16	20.61	20.68	20.58	22.00
		HIGH	Q16	20.56	20.68	20.57	22.00
25	LOW	Q16	20.53	20.55	20.33	22.00	
5	1	LOW	64QAM	20.52	20.84	20.68	22.00
		MID	64QAM	20.70	21.13	20.52	22.00
		HIGH	64QAM	20.62	20.97	20.76	22.00
	12	LOW	64QAM	19.56	19.64	19.53	21.00
		MID	64QAM	19.69	19.81	19.43	21.00
		HIGH	64QAM	19.47	19.73	19.72	21.00
25	LOW	64QAM	19.39	19.41	19.19	21.00	

Bandwidth	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	22.37	22.27	22.27	24.00	
		MID	QPSK	<b>22.39</b>	22.29	22.32	24.00	
		HIGH	QPSK	<b>22.39</b>	22.35	22.37	24.00	
	25	LOW	QPSK	21.43	21.35	21.33	23.00	
		MID	QPSK	21.50	21.51	21.35	23.00	
		HIGH	QPSK	21.49	21.48	21.47	23.00	
	50	LOW	QPSK	21.49	21.47	21.38	23.00	
	10	1	LOW	Q16	21.34	21.81	21.37	23.00
			MID	Q16	21.34	21.75	21.40	23.00
HIGH			Q16	21.37	21.79	21.39	23.00	
25		LOW	Q16	20.53	20.40	20.43	22.00	
		MID	Q16	20.54	20.50	20.48	22.00	
		HIGH	Q16	20.55	20.54	20.57	22.00	
50		LOW	Q16	20.49	20.50	20.43	22.00	
10		1	LOW	64QAM	20.35	20.82	20.24	22.00
			MID	64QAM	20.36	20.82	20.36	22.00
	HIGH		64QAM	20.45	20.73	20.24	22.00	
	25	LOW	64QAM	19.57	19.54	19.38	21.00	
		MID	64QAM	19.53	19.57	19.58	21.00	
		HIGH	64QAM	19.40	19.59	19.46	21.00	
	50	LOW	64QAM	19.52	19.53	19.56	21.00	
	Bandwidth	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	22.40	22.31	22.22	24.00
MID			QPSK	22.45	22.32	22.21	24.00	
HIGH			QPSK	<b>22.51</b>	22.22	22.24	24.00	
36		LOW	QPSK	21.51	21.35	21.27	23.00	
		MID	QPSK	21.61	21.45	21.40	23.00	
		HIGH	QPSK	21.63	21.46	21.42	23.00	
75		LOW	QPSK	21.53	21.41	21.36	23.00	
15		1	LOW	Q16	21.35	21.76	21.49	23.00
			MID	Q16	21.29	21.72	21.84	23.00
	HIGH		Q16	21.34	21.75	21.87	23.00	
	36	LOW	Q16	20.34	20.39	20.28	22.00	
		MID	Q16	20.51	20.46	20.37	22.00	
		HIGH	Q16	20.48	20.47	20.39	22.00	
	75	LOW	Q16	20.50	20.47	20.36	22.00	
	15	1	LOW	64QAM	20.23	20.84	20.36	22.00
			MID	64QAM	20.34	20.64	20.97	22.00
HIGH			64QAM	20.43	20.84	20.92	22.00	
36		LOW	64QAM	19.29	19.29	19.35	21.00	
		MID	64QAM	19.56	19.39	19.47	21.00	
		HIGH	64QAM	19.53	19.32	19.49	21.00	
75		LOW	64QAM	19.65	19.61	19.22	21.00	
Bandwidth		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	22.40	22.48	22.47	24.00
	MID		QPSK	<b>22.57</b>	22.55	22.49	24.00	
	HIGH		QPSK	22.40	22.49	22.51	24.00	
	50	LOW	QPSK	21.44	21.57	21.49	23.00	
		MID	QPSK	21.55	21.68	21.58	23.00	
		HIGH	QPSK	21.54	21.72	21.65	23.00	
	100	LOW	QPSK	21.55	21.65	21.55	23.00	
	20	1	LOW	Q16	21.92	22.04	21.86	23.00
			MID	Q16	22.16	22.00	21.92	23.00
HIGH			Q16	22.13	22.09	22.00	23.00	
50		LOW	Q16	20.63	20.61	20.51	22.00	
		MID	Q16	20.74	20.74	20.52	22.00	
		HIGH	Q16	20.76	20.71	20.62	22.00	
100		LOW	Q16	20.72	20.66	20.55	22.00	
20		1	LOW	64QAM	20.89	20.94	20.95	22.00
			MID	64QAM	21.25	20.90	20.93	22.00
	HIGH		64QAM	21.08	21.24	21.02	22.00	
	50	LOW	64QAM	19.60	19.48	19.48	21.00	
		MID	64QAM	19.73	19.67	19.52	21.00	
		HIGH	64QAM	19.76	19.81	19.66	21.00	
	100	LOW	64QAM	19.80	19.57	19.46	21.00	

## 8.3.3 LTE Band4 (Ant.3) Output Power

LTE B4-State17 -Ant.3								
Bandwidth	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.11	19.22	18.82	19.70	
		MID	QPSK	19.05	18.90	18.84	19.70	
		HIGH	QPSK	19.03	18.93	19.05	19.70	
	3	LOW	QPSK	19.21	18.97	19.17	19.70	
		MID	QPSK	19.11	19.21	18.98	19.70	
		HIGH	QPSK	19.11	18.93	18.92	19.70	
	6	LOW	QPSK	19.26	19.11	19.24	19.70	
	1.4	1	LOW	Q16	<b>19.69</b>	19.53	19.54	19.70
			MID	Q16	19.45	19.51	19.29	19.70
HIGH			Q16	19.64	19.68	19.46	19.70	
3		LOW	Q16	19.27	19.00	19.16	19.70	
		MID	Q16	19.26	19.33	19.05	19.70	
		HIGH	Q16	19.25	19.03	18.96	19.70	
6		LOW	Q16	19.32	19.11	19.01	19.70	
1.4		1	LOW	64QAM	18.54	18.37	18.38	19.70
			MID	64QAM	18.61	18.35	18.25	19.70
	HIGH		64QAM	18.50	18.58	18.30	19.70	
	3	LOW	64QAM	18.23	18.17	17.95	19.70	
		MID	64QAM	18.21	18.04	18.17	19.70	
		HIGH	64QAM	18.01	18.02	18.11	19.70	
	6	LOW	64QAM	18.21	18.21	18.03	19.70	
	Bandwidth	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	18.92	18.95	19.05	19.70
MID			QPSK	18.92	19.02	18.97	19.70	
HIGH			QPSK	19.03	19.05	18.91	19.70	
8		LOW	QPSK	19.12	18.98	19.13	19.70	
		MID	QPSK	19.24	19.26	19.10	19.70	
		HIGH	QPSK	19.12	19.12	19.13	19.70	
15		LOW	QPSK	19.06	19.21	19.15	19.70	
3		1	LOW	Q16	19.54	19.53	19.42	19.70
			MID	Q16	19.44	19.62	19.23	19.70
	HIGH		Q16	19.62	<b>19.66</b>	19.32	19.70	
	8	LOW	Q16	19.10	19.05	19.22	19.70	
		MID	Q16	19.20	19.08	18.94	19.70	
		HIGH	Q16	19.08	19.21	19.08	19.70	
	15	LOW	Q16	19.14	18.98	19.24	19.70	
	3	1	LOW	64QAM	18.55	18.33	18.55	19.70
			MID	64QAM	18.65	18.59	18.32	19.70
HIGH			64QAM	18.50	18.57	18.30	19.70	
8		LOW	64QAM	18.20	18.20	18.08	19.70	
		MID	64QAM	18.19	18.20	18.08	19.70	
		HIGH	64QAM	18.27	18.09	18.13	19.70	
15		LOW	64QAM	18.02	18.13	18.00	19.70	
Bandwidth		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	18.98	19.10	18.80	19.70
	MID		QPSK	19.00	18.90	18.72	19.70	
	HIGH		QPSK	19.21	18.95	19.02	19.70	
	12	LOW	QPSK	19.19	19.18	18.99	19.70	
		MID	QPSK	19.31	19.27	19.21	19.70	
		HIGH	QPSK	19.03	19.21	19.09	19.70	
	25	LOW	QPSK	19.25	18.95	18.97	19.70	
	5	1	LOW	Q16	19.53	19.49	19.59	19.70
			MID	Q16	19.65	19.55	19.22	19.70
HIGH			Q16	<b>19.68</b>	19.61	19.51	19.70	
12		LOW	Q16	19.15	19.25	19.13	19.70	
		MID	Q16	19.17	19.20	18.99	19.70	
		HIGH	Q16	19.18	19.05	19.11	19.70	
25		LOW	Q16	19.03	19.13	19.17	19.70	
5		1	LOW	64QAM	18.66	18.51	18.33	19.70
			MID	64QAM	18.59	18.56	18.22	19.70
	HIGH		64QAM	18.76	18.45	18.47	19.70	
	12	LOW	64QAM	18.01	18.19	17.99	19.70	
		MID	64QAM	18.26	18.05	18.04	19.70	
		HIGH	64QAM	18.28	18.19	18.10	19.70	
	25	LOW	64QAM	18.32	18.28	18.00	19.70	

Bandwidth	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	<b>19.21</b>	19.03	18.94	19.70	
		MID	QPSK	19.01	18.95	18.86	19.70	
		HIGH	QPSK	19.09	19.10	18.99	19.70	
	25	LOW	QPSK	19.02	19.18	19.09	19.70	
		MID	QPSK	19.02	19.19	19.23	19.70	
		HIGH	QPSK	19.23	19.19	18.94	19.70	
	50	LOW	QPSK	19.07	19.11	18.98	19.70	
	10	1	LOW	Q16	<b>19.67</b>	19.34	19.62	19.70
			MID	Q16	19.57	19.44	19.26	19.70
HIGH			Q16	19.63	19.39	19.41	19.70	
25		LOW	Q16	19.16	19.12	18.95	19.70	
		MID	Q16	19.19	19.10	19.01	19.70	
		HIGH	Q16	19.25	19.02	18.97	19.70	
50		LOW	Q16	19.04	19.09	19.21	19.70	
10		1	LOW	64QAM	18.68	18.53	18.45	19.70
			MID	64QAM	18.49	18.52	18.52	19.70
	HIGH		64QAM	18.61	18.58	18.56	19.70	
	25	LOW	64QAM	18.21	18.16	18.07	19.70	
		MID	64QAM	18.27	18.25	18.07	19.70	
		HIGH	64QAM	18.29	18.12	18.20	19.70	
	50	LOW	64QAM	18.03	18.13	18.18	19.70	
	Bandwidth	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	19.22	18.96	18.99	19.70
MID			QPSK	18.97	18.80	18.86	19.70	
HIGH			QPSK	19.13	19.14	19.13	19.70	
36		LOW	QPSK	19.13	19.20	19.19	19.70	
		MID	QPSK	19.14	19.05	19.22	19.70	
		HIGH	QPSK	19.11	19.18	18.94	19.70	
75		LOW	QPSK	19.30	19.14	19.17	19.70	
15		1	LOW	Q16	19.63	19.48	19.60	19.70
			MID	Q16	19.46	19.39	19.24	19.70
	HIGH		Q16	19.62	<b>19.64</b>	19.35	19.70	
	36	LOW	Q16	19.29	19.10	19.06	19.70	
		MID	Q16	19.13	19.13	19.10	19.70	
		HIGH	Q16	19.21	19.06	19.03	19.70	
	75	LOW	Q16	19.10	19.07	19.23	19.70	
	15	1	LOW	64QAM	18.75	18.58	18.39	19.70
			MID	64QAM	18.56	18.56	18.36	19.70
HIGH			64QAM	18.66	18.50	18.47	19.70	
36		LOW	64QAM	18.18	18.22	18.06	19.70	
		MID	64QAM	18.28	18.09	18.02	19.70	
		HIGH	64QAM	18.27	18.20	18.02	19.70	
75		LOW	64QAM	18.23	18.19	18.22	19.70	
Bandwidth		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	19.07	<b>19.10</b>	18.93	19.70
	MID		QPSK	18.94	18.92	18.85	19.70	
	HIGH		QPSK	19.06	19.07	19.00	19.70	
	50	LOW	QPSK	19.07	19.09	19.08	19.70	
		MID	QPSK	19.16	19.12	19.10	19.70	
		HIGH	QPSK	19.12	19.07	19.06	19.70	
	100	LOW	QPSK	19.15	19.10	19.10	19.70	
	20	1	LOW	Q16	19.63	<b>19.47</b>	19.47	19.70
			MID	Q16	19.50	19.47	19.37	19.70
HIGH			Q16	<b>19.64</b>	19.53	19.44	19.70	
50		LOW	Q16	19.14	19.14	19.08	19.70	
		MID	Q16	19.17	19.19	19.08	19.70	
		HIGH	Q16	19.14	19.09	19.09	19.70	
100		LOW	Q16	19.17	19.13	19.15	19.70	
20		1	LOW	64QAM	18.48	18.59	18.35	19.70
			MID	64QAM	18.51	18.57	18.47	19.70
	HIGH		64QAM	18.78	18.39	18.33	19.70	
	50	LOW	64QAM	18.07	18.28	18.00	19.70	
		MID	64QAM	18.27	18.11	18.15	19.70	
		HIGH	64QAM	18.15	18.24	17.95	19.70	
	100	LOW	64QAM	18.11	18.08	18.24	19.70	

LTE B4-State18 -Ant.3							
Bandwidth	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	15.73	15.76	15.54	16.30
		MID	QPSK	15.69	15.60	15.55	16.30
		HIGH	QPSK	15.73	15.69	15.67	16.30
	3	LOW	QPSK	15.68	15.72	15.66	16.30
		MID	QPSK	15.80	15.84	15.74	16.30
		HIGH	QPSK	15.87	15.78	15.81	16.30
6	LOW	QPSK	15.84	15.97	15.92	16.30	
1.4	1	LOW	Q16	16.17	16.18	16.09	16.30
		MID	Q16	16.13	16.12	16.09	16.30
		HIGH	Q16	15.98	16.18	<b>16.19</b>	16.30
	3	LOW	Q16	15.68	15.83	15.66	16.30
		MID	Q16	15.60	15.90	15.78	16.30
		HIGH	Q16	15.78	15.65	15.68	16.30
6	LOW	Q16	15.89	15.87	15.73	16.30	
1.4	1	LOW	64QAM	15.27	15.40	15.21	16.30
		MID	64QAM	14.90	15.31	15.05	16.30
		HIGH	64QAM	15.03	15.37	15.07	16.30
	3	LOW	64QAM	14.88	14.76	14.90	16.30
		MID	64QAM	14.71	14.74	14.68	16.30
		HIGH	64QAM	14.84	14.87	14.73	16.30
6	LOW	64QAM	14.63	14.67	14.82	16.30	
Bandwidth	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	15.71	15.81	15.62	16.30
		MID	QPSK	15.69	15.63	15.74	16.30
		HIGH	QPSK	15.49	15.63	15.85	16.30
	8	LOW	QPSK	15.87	15.63	15.86	16.30
		MID	QPSK	15.79	15.94	15.66	16.30
		HIGH	QPSK	15.76	15.79	15.80	16.30
15	LOW	QPSK	15.74	15.72	15.90	16.30	
3	1	LOW	Q16	16.21	16.18	<b>16.24</b>	16.30
		MID	Q16	15.98	16.10	16.09	16.30
		HIGH	Q16	16.15	16.21	16.21	16.30
	8	LOW	Q16	15.60	15.85	15.77	16.30
		MID	Q16	15.89	15.70	15.90	16.30
		HIGH	Q16	15.86	15.67	15.93	16.30
15	LOW	Q16	15.80	15.70	15.84	16.30	
3	1	LOW	64QAM	15.28	15.12	15.13	16.30
		MID	64QAM	15.12	15.31	15.11	16.30
		HIGH	64QAM	14.93	15.38	15.26	16.30
	8	LOW	64QAM	14.75	14.73	14.68	16.30
		MID	64QAM	14.80	14.67	14.77	16.30
		HIGH	64QAM	14.80	14.82	14.93	16.30
15	LOW	64QAM	14.66	14.73	14.90	16.30	
Bandwidth	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	15.77	15.67	15.74	16.30
		MID	QPSK	15.51	15.48	15.68	16.30
		HIGH	QPSK	15.53	15.78	15.83	16.30
	12	LOW	QPSK	15.85	15.88	15.69	16.30
		MID	QPSK	15.85	15.77	15.72	16.30
		HIGH	QPSK	15.89	15.74	15.62	16.30
25	LOW	QPSK	15.65	15.90	15.83	16.30	
5	1	LOW	Q16	16.01	16.15	16.17	16.30
		MID	Q16	16.13	<b>16.18</b>	16.12	16.30
		HIGH	Q16	15.97	16.15	16.00	16.30
	12	LOW	Q16	15.65	15.80	15.70	16.30
		MID	Q16	15.81	15.89	15.91	16.30
		HIGH	Q16	15.67	15.77	15.92	16.30
25	LOW	Q16	15.80	15.70	15.86	16.30	
5	1	LOW	64QAM	15.01	15.33	15.41	16.30
		MID	64QAM	15.01	15.24	15.13	16.30
		HIGH	64QAM	15.11	15.33	15.16	16.30
	12	LOW	64QAM	14.63	14.73	14.65	16.30
		MID	64QAM	14.90	14.74	14.76	16.30
		HIGH	64QAM	14.74	14.72	14.63	16.30
25	LOW	64QAM	14.73	14.91	14.90	16.30	



Bandwidth	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	15.77	15.64	15.62	16.30	
		MID	QPSK	15.51	15.68	15.65	16.30	
		HIGH	QPSK	15.55	15.66	15.85	16.30	
	25	LOW	QPSK	15.68	15.84	15.81	16.30	
		MID	QPSK	15.84	15.80	15.76	16.30	
		HIGH	QPSK	15.91	15.62	15.81	16.30	
	50	LOW	QPSK	15.75	15.78	15.83	16.30	
	10	1	LOW	Q16	16.20	16.19	16.11	16.30
			MID	Q16	16.05	16.23	16.08	16.30
HIGH			Q16	16.18	16.24	<b>16.26</b>	16.30	
25		LOW	Q16	15.90	15.86	15.64	16.30	
		MID	Q16	15.85	15.82	15.81	16.30	
		HIGH	Q16	15.70	15.84	15.81	16.30	
50		LOW	Q16	15.65	15.69	15.80	16.30	
10		1	LOW	64QAM	15.01	15.38	15.24	16.30
			MID	64QAM	15.02	15.31	15.05	16.30
	HIGH		64QAM	15.21	15.26	15.25	16.30	
	25	LOW	64QAM	14.72	14.79	14.89	16.30	
		MID	64QAM	14.83	14.80	14.75	16.30	
		HIGH	64QAM	14.76	14.67	14.69	16.30	
	50	LOW	64QAM	14.69	14.96	14.77	16.30	
	Bandwidth	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	15.64	15.73	15.75	16.30
MID			QPSK	15.69	15.52	15.50	16.30	
HIGH			QPSK	15.57	15.56	15.76	16.30	
36		LOW	QPSK	15.89	15.87	15.81	16.30	
		MID	QPSK	15.89	15.91	15.80	16.30	
		HIGH	QPSK	15.89	15.72	15.60	16.30	
75		LOW	QPSK	15.82	15.88	15.73	16.30	
15		1	LOW	Q16	16.02	16.13	<b>16.28</b>	16.30
			MID	Q16	16.15	16.24	16.24	16.30
	HIGH		Q16	15.94	16.17	16.01	16.30	
	36	LOW	Q16	15.62	15.65	15.88	16.30	
		MID	Q16	15.71	15.85	15.70	16.30	
		HIGH	Q16	15.66	15.78	15.76	16.30	
	75	LOW	Q16	15.68	15.74	15.73	16.30	
	15	1	LOW	64QAM	15.03	15.28	15.28	16.30
			MID	64QAM	15.04	15.34	15.19	16.30
HIGH			64QAM	15.05	15.31	15.04	16.30	
36		LOW	64QAM	14.77	14.76	14.63	16.30	
		MID	64QAM	14.68	14.80	14.80	16.30	
		HIGH	64QAM	14.73	14.63	14.88	16.30	
75		LOW	64QAM	14.89	14.78	14.69	16.30	
Bandwidth		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	15.67	15.71	15.61	16.30
	MID		QPSK	15.54	15.58	15.63	16.30	
	HIGH		QPSK	15.59	15.81	15.79	16.30	
	50	LOW	QPSK	15.75	15.75	15.75	16.30	
		MID	QPSK	15.79	15.78	15.78	16.30	
		HIGH	QPSK	15.77	15.75	15.74	16.30	
	100	LOW	QPSK	15.82	15.80	15.79	16.30	
	20	1	LOW	Q16	16.13	<b>16.27</b>	<b>16.27</b>	16.30
			MID	Q16	16.04	16.20	16.14	16.30
HIGH			Q16	16.07	16.26	16.15	16.30	
50		LOW	Q16	15.75	15.78	15.76	16.30	
		MID	Q16	15.75	15.82	15.82	16.30	
		HIGH	Q16	15.73	15.75	15.78	16.30	
100		LOW	Q16	15.76	15.82	15.80	16.30	
20		1	LOW	64QAM	15.15	15.30	15.26	16.30
			MID	64QAM	15.17	15.24	15.13	16.30
	HIGH		64QAM	15.04	15.37	15.02	16.30	
	50	LOW	64QAM	14.70	14.91	14.74	16.30	
		MID	64QAM	14.66	14.95	14.88	16.30	
		HIGH	64QAM	14.73	14.86	14.91	16.30	
	100	LOW	64QAM	14.68	14.88	14.80	16.30	

## 8.3.4 LTE Band4 (Ant.4) Output Power

LTE B4-State17 -Ant.4								
Bandwidth	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.19	21.40	21.36	22.30	
		MID	QPSK	21.25	21.22	21.26	22.30	
		HIGH	QPSK	21.22	21.18	21.27	22.30	
	3	LOW	QPSK	21.52	21.43	21.38	22.30	
		MID	QPSK	21.33	21.41	21.36	22.30	
		HIGH	QPSK	21.36	21.38	21.21	22.30	
	6	LOW	QPSK	21.52	21.44	21.35	22.30	
	1.4	1	LOW	Q16	21.87	<b>22.01</b>	21.70	22.30
			MID	Q16	21.75	21.84	21.69	22.30
HIGH			Q16	21.69	21.99	21.80	22.30	
3		LOW	Q16	20.68	20.67	20.93	22.30	
		MID	Q16	20.80	20.96	20.84	22.30	
		HIGH	Q16	20.90	20.86	20.82	22.30	
6		LOW	Q16	20.83	20.91	20.78	22.00	
1.4		1	LOW	64QAM	20.70	20.87	20.72	22.00
			MID	64QAM	20.65	20.90	20.78	22.00
	HIGH		64QAM	20.84	20.82	20.57	22.00	
	3	LOW	64QAM	20.35	20.34	20.28	22.00	
		MID	64QAM	20.24	20.18	20.25	22.00	
		HIGH	64QAM	20.28	20.27	20.24	22.00	
	6	LOW	64QAM	19.91	19.74	19.85	21.00	
	Bandwidth	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	21.27	21.26	21.30	22.30
MID			QPSK	21.27	21.07	21.18	22.30	
HIGH			QPSK	21.16	21.26	21.43	22.30	
8		LOW	QPSK	21.34	21.23	21.16	22.30	
		MID	QPSK	21.24	21.33	21.49	22.30	
		HIGH	QPSK	21.32	21.19	21.42	22.30	
15		LOW	QPSK	21.48	21.41	21.38	22.30	
3		1	LOW	Q16	21.88	21.73	<b>21.91</b>	22.30
			MID	Q16	21.75	21.65	21.62	22.30
	HIGH		Q16	21.86	21.87	21.61	22.30	
	8	LOW	Q16	20.90	20.69	20.93	22.00	
		MID	Q16	20.84	20.87	20.91	22.00	
		HIGH	Q16	20.65	20.87	20.77	22.00	
	15	LOW	Q16	20.76	21.00	20.87	22.00	
	3	1	LOW	64QAM	20.69	20.90	20.72	22.00
			MID	64QAM	20.49	20.90	20.77	22.00
HIGH			64QAM	20.78	20.78	20.73	22.00	
8		LOW	64QAM	19.72	19.96	19.68	21.00	
		MID	64QAM	19.90	19.86	19.84	21.00	
		HIGH	64QAM	19.85	19.81	19.70	21.00	
15		LOW	64QAM	19.94	19.80	19.86	21.00	
Bandwidth		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	21.21	21.23	21.28	22.30
	MID		QPSK	21.09	21.22	21.08	22.30	
	HIGH		QPSK	21.22	21.42	21.43	22.30	
	12	LOW	QPSK	21.38	21.28	21.32	22.30	
		MID	QPSK	21.53	21.32	21.30	22.30	
		HIGH	QPSK	21.43	21.29	21.37	22.30	
	25	LOW	QPSK	21.42	21.33	21.29	22.30	
	5	1	LOW	Q16	21.69	21.78	21.64	22.30
			MID	Q16	21.66	21.65	21.60	22.30
HIGH			Q16	21.62	<b>21.86</b>	21.53	22.30	
12		LOW	Q16	20.63	20.68	20.68	22.00	
		MID	Q16	20.81	20.81	20.89	22.00	
		HIGH	Q16	20.72	20.68	20.60	22.00	
25		LOW	Q16	20.73	20.92	20.75	22.00	
5		1	LOW	64QAM	20.59	20.79	20.78	22.00
			MID	64QAM	20.65	20.73	20.53	22.00
	HIGH		64QAM	20.75	21.03	20.69	22.00	
	12	LOW	64QAM	19.81	19.87	19.74	21.00	
		MID	64QAM	19.93	19.72	19.71	21.00	
		HIGH	64QAM	19.62	19.86	19.69	21.00	
	25	LOW	64QAM	19.94	19.86	19.89	21.00	

Bandwidth	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	21.32	<b>21.34</b>	21.17	22.30	
		MID	QPSK	21.14	21.14	21.19	22.30	
		HIGH	QPSK	21.19	21.41	21.34	22.30	
	25	LOW	QPSK	21.35	21.33	21.36	22.30	
		MID	QPSK	21.38	21.53	21.40	22.30	
		HIGH	QPSK	21.26	21.47	21.37	22.30	
	50	LOW	QPSK	21.53	21.49	21.47	22.30	
	10	1	LOW	Q16	21.65	21.77	21.76	22.30
			MID	Q16	21.53	21.63	21.72	22.30
HIGH			Q16	21.62	<b>21.96</b>	21.65	22.30	
25		LOW	Q16	20.70	20.71	20.82	22.00	
		MID	Q16	20.81	20.90	20.78	22.00	
		HIGH	Q16	20.86	20.71	20.71	22.00	
50		LOW	Q16	20.75	20.97	20.86	22.00	
10		1	LOW	64QAM	20.70	20.83	20.76	22.00
			MID	64QAM	20.58	20.64	20.61	22.00
	HIGH		64QAM	20.63	20.87	20.81	22.00	
	25	LOW	64QAM	19.74	19.81	19.87	21.00	
		MID	64QAM	19.83	19.92	19.91	21.00	
		HIGH	64QAM	19.86	19.82	19.61	21.00	
	50	LOW	64QAM	20.00	19.94	19.93	21.00	
	Bandwidth	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	21.21	21.31	21.15	22.30
MID			QPSK	21.07	21.01	21.22	22.30	
HIGH			QPSK	21.09	21.32	21.25	22.30	
36		LOW	QPSK	21.36	21.30	21.17	22.30	
		MID	QPSK	21.38	21.50	21.36	22.30	
		HIGH	QPSK	21.47	21.38	21.25	22.30	
75		LOW	QPSK	21.53	21.46	21.29	22.30	
15		1	LOW	Q16	21.80	<b>21.94</b>	21.81	22.30
			MID	Q16	21.55	21.75	21.58	22.30
	HIGH		Q16	21.89	21.82	21.77	22.30	
	36	LOW	Q16	20.77	20.82	20.79	22.00	
		MID	Q16	20.75	20.79	20.67	22.00	
		HIGH	Q16	20.77	20.66	20.80	22.00	
	75	LOW	Q16	21.01	20.95	20.84	22.00	
	15	1	LOW	64QAM	20.62	21.02	20.77	22.00
			MID	64QAM	20.57	20.89	20.56	22.00
HIGH			64QAM	20.79	20.74	20.78	22.00	
36		LOW	64QAM	19.62	19.69	19.79	21.00	
		MID	64QAM	19.80	19.71	19.64	21.00	
		HIGH	64QAM	19.87	19.66	19.66	21.00	
75		LOW	64QAM	20.01	19.77	19.92	21.00	
Bandwidth		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	21.27	<b>21.34</b>	21.28	22.30
	MID		QPSK	21.14	21.16	21.18	22.30	
	HIGH		QPSK	21.24	21.27	21.26	22.30	
	50	LOW	QPSK	21.37	21.31	21.31	22.30	
		MID	QPSK	21.42	21.37	21.36	22.30	
		HIGH	QPSK	21.34	21.33	21.29	22.30	
	100	LOW	QPSK	21.40	21.37	21.33	22.30	
	20	1	LOW	Q16	21.74	<b>21.88</b>	21.77	22.30
			MID	Q16	21.61	21.75	21.66	22.30
HIGH			Q16	21.74	<b>21.89</b>	21.67	22.30	
50		LOW	Q16	20.76	20.82	20.81	22.00	
		MID	Q16	20.81	20.82	20.79	22.00	
		HIGH	Q16	20.77	20.80	20.75	22.00	
100		LOW	Q16	20.86	20.85	20.83	22.00	
20		1	LOW	64QAM	20.77	20.95	20.63	22.00
			MID	64QAM	20.75	20.83	20.58	22.00
	HIGH		64QAM	20.86	20.89	20.73	22.00	
	50	LOW	64QAM	19.72	19.96	19.90	21.00	
		MID	64QAM	19.86	19.67	19.79	21.00	
		HIGH	64QAM	19.65	19.79	19.73	21.00	
	100	LOW	64QAM	19.99	19.89	19.96	21.00	

LTE B4-State18 -Ant.4							
Bandwidth	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	<b>22.53</b>	22.36	22.22	24.00
		MID	QPSK	22.42	22.35	22.33	24.00
		HIGH	QPSK	22.49	22.32	22.24	24.00
	3	LOW	QPSK	22.48	22.27	22.27	24.00
		MID	QPSK	22.48	22.32	22.34	24.00
		HIGH	QPSK	22.44	22.33	22.31	24.00
6	LOW	QPSK	21.48	21.40	21.28	23.00	
1.4	1	LOW	Q16	21.79	21.74	21.36	23.00
		MID	Q16	21.78	21.86	21.42	23.00
		HIGH	Q16	21.62	21.75	21.32	23.00
	3	LOW	Q16	21.58	21.66	21.44	23.00
		MID	Q16	21.60	21.70	21.60	23.00
		HIGH	Q16	21.59	21.56	21.55	23.00
6	LOW	Q16	20.70	20.34	20.51	22.00	
1.4	1	LOW	64QAM	20.72	20.73	20.22	22.00
		MID	64QAM	20.67	20.79	20.45	22.00
		HIGH	64QAM	20.48	20.88	20.31	22.00
	3	LOW	64QAM	20.58	20.56	20.34	22.00
		MID	64QAM	20.47	20.62	20.63	22.00
		HIGH	64QAM	20.69	20.64	20.54	22.00
6	LOW	64QAM	19.79	19.28	19.44	21.00	
Bandwidth	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	<b>22.57</b>	22.42	22.46	24.00
		MID	QPSK	22.53	22.42	22.51	24.00
		HIGH	QPSK	22.54	22.47	22.47	24.00
	8	LOW	QPSK	21.58	21.47	21.49	23.00
		MID	QPSK	21.64	21.59	21.46	23.00
		HIGH	QPSK	21.59	21.57	21.50	23.00
15	LOW	QPSK	21.59	21.46	21.52	23.00	
3	1	LOW	Q16	21.56	21.91	21.60	23.00
		MID	Q16	21.60	22.00	21.60	23.00
		HIGH	Q16	21.53	21.99	21.58	23.00
	8	LOW	Q16	20.71	20.53	20.48	22.00
		MID	Q16	20.68	20.67	20.53	22.00
		HIGH	Q16	20.70	20.66	20.55	22.00
15	LOW	Q16	20.62	20.53	20.53	22.00	
3	1	LOW	64QAM	20.50	20.90	20.55	22.00
		MID	64QAM	20.74	21.07	20.56	22.00
		HIGH	64QAM	20.48	20.84	20.49	22.00
	8	LOW	64QAM	19.82	19.45	19.40	21.00
		MID	64QAM	19.60	19.61	19.42	21.00
		HIGH	64QAM	19.68	19.67	19.67	21.00
15	LOW	64QAM	19.76	19.53	19.42	21.00	
Bandwidth	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.51	22.40	22.28	24.00
		MID	QPSK	<b>22.59</b>	22.56	22.41	24.00
		HIGH	QPSK	22.46	22.52	22.42	24.00
	12	LOW	QPSK	21.57	21.40	21.31	23.00
		MID	QPSK	21.64	21.54	21.51	23.00
		HIGH	QPSK	21.63	21.53	21.49	23.00
25	LOW	QPSK	21.59	21.44	21.35	23.00	
5	1	LOW	Q16	21.71	21.98	21.49	23.00
		MID	Q16	21.80	22.13	21.65	23.00
		HIGH	Q16	21.79	22.05	21.61	23.00
	12	LOW	Q16	20.67	20.60	20.48	22.00
		MID	Q16	20.74	20.72	20.62	22.00
		HIGH	Q16	20.71	20.75	20.56	22.00
25	LOW	Q16	20.63	20.54	20.40	22.00	
5	1	LOW	64QAM	20.79	21.11	20.60	22.00
		MID	64QAM	20.92	21.00	20.63	22.00
		HIGH	64QAM	20.90	21.11	20.62	22.00
	12	LOW	64QAM	19.76	19.75	19.37	21.00
		MID	64QAM	19.59	19.62	19.49	21.00
		HIGH	64QAM	19.58	19.68	19.60	21.00
25	LOW	64QAM	19.65	19.46	19.39	21.00	

Bandwidth	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	22.18	22.16	22.11	24.00	
		MID	QPSK	22.14	22.14	22.06	24.00	
		HIGH	QPSK	<b>22.22</b>	<b>22.22</b>	22.12	24.00	
	25	LOW	QPSK	21.34	21.19	21.24	23.00	
		MID	QPSK	21.35	21.31	21.08	23.00	
		HIGH	QPSK	21.37	21.33	21.19	23.00	
	50	LOW	QPSK	21.37	21.22	21.05	23.00	
	10	1	LOW	Q16	21.25	21.69	21.14	22.00
			MID	Q16	21.27	21.59	21.05	22.00
HIGH			Q16	21.31	21.56	21.15	22.00	
25		LOW	Q16	20.39	20.21	20.17	22.00	
		MID	Q16	20.42	20.31	20.21	22.00	
		HIGH	Q16	20.46	20.36	20.29	22.00	
50		LOW	Q16	20.34	20.24	20.19	22.00	
10		1	LOW	64QAM	20.27	20.57	20.07	22.00
			MID	64QAM	20.17	20.72	20.10	22.00
	HIGH		64QAM	20.38	20.44	20.08	22.00	
	25	LOW	64QAM	19.33	19.27	19.16	21.00	
		MID	64QAM	19.31	19.44	19.26	21.00	
		HIGH	64QAM	19.49	19.36	19.26	21.00	
	50	LOW	64QAM	19.30	19.14	19.06	21.00	
	Bandwidth	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	<b>22.61</b>	22.49	22.47	24.00
MID			QPSK	22.53	22.35	22.28	24.00	
HIGH			QPSK	22.59	22.37	22.31	24.00	
36		LOW	QPSK	21.72	21.52	21.44	23.00	
		MID	QPSK	21.74	21.45	21.38	23.00	
		HIGH	QPSK	21.74	21.49	21.46	23.00	
75		LOW	QPSK	21.79	21.49	21.37	23.00	
15		1	LOW	Q16	21.68	21.41	21.49	22.00
			MID	Q16	21.53	21.83	22.00	22.00
	HIGH		Q16	21.52	21.82	21.87	22.00	
	36	LOW	Q16	20.69	20.60	20.48	22.00	
		MID	Q16	20.76	20.52	20.44	22.00	
		HIGH	Q16	20.71	20.57	20.48	22.00	
	75	LOW	Q16	20.61	20.61	20.42	22.00	
	15	1	LOW	64QAM	20.78	20.99	21.07	22.00
			MID	64QAM	20.57	20.78	20.93	22.00
HIGH			64QAM	20.38	20.84	20.74	22.00	
36		LOW	64QAM	19.67	19.69	19.50	21.00	
		MID	64QAM	19.70	19.38	19.37	21.00	
		HIGH	64QAM	19.83	19.70	19.36	21.00	
75		LOW	64QAM	19.63	19.50	19.46	21.00	
Bandwidth		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	22.50	<b>22.54</b>	22.50	24.00
	MID		QPSK	22.38	22.42	22.33	24.00	
	HIGH		QPSK	22.48	22.51	22.43	24.00	
	50	LOW	QPSK	21.55	21.57	21.49	23.00	
		MID	QPSK	21.58	21.50	21.50	23.00	
		HIGH	QPSK	21.54	21.54	21.52	23.00	
	100	LOW	QPSK	21.61	21.48	21.51	23.00	
	20	1	LOW	Q16	21.97	21.94	21.93	22.00
			MID	Q16	21.86	21.89	21.78	22.00
HIGH			Q16	21.77	21.98	21.86	22.00	
50		LOW	Q16	20.67	20.59	20.48	22.00	
		MID	Q16	20.68	20.55	20.46	22.00	
		HIGH	Q16	20.62	20.59	20.54	22.00	
100		LOW	Q16	20.66	20.52	20.48	22.00	
20		1	LOW	64QAM	21.37	20.81	20.94	22.00
			MID	64QAM	21.19	21.03	20.75	22.00
	HIGH		64QAM	21.35	20.84	20.95	22.00	
	50	LOW	64QAM	19.63	19.70	19.62	21.00	
		MID	64QAM	19.64	19.69	19.34	21.00	
		HIGH	64QAM	19.52	19.59	19.58	21.00	
	100	LOW	64QAM	19.59	19.56	19.33	21.00	

## 8.3.5 LTE Band5 (Ant.0) Output Power

LTE B5-State17 -Ant.0								
Bandwidth	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.65	23.61	23.48	24.70	
		MID	QPSK	23.67	23.65	23.59	24.70	
		HIGH	QPSK	23.60	23.54	23.46	24.70	
	3	LOW	QPSK	<b>23.72</b>	23.60	23.54	24.70	
		MID	QPSK	23.69	23.65	23.51	24.70	
		HIGH	QPSK	23.67	23.58	23.48	24.70	
	6	LOW	QPSK	22.92	22.85	22.70	23.70	
	1.4	1	LOW	Q16	23.07	23.28	22.78	23.70
			MID	Q16	23.09	23.28	22.84	23.70
HIGH			Q16	23.04	23.21	22.76	23.70	
3		LOW	Q16	23.02	23.06	23.01	23.70	
		MID	Q16	23.04	23.12	22.95	23.70	
		HIGH	Q16	23.03	23.11	22.99	23.70	
6		LOW	Q16	22.16	21.72	21.94	22.70	
1.4		1	LOW	64QAM	21.98	22.42	21.77	22.70
			MID	64QAM	21.95	22.21	21.77	22.70
	HIGH		64QAM	22.01	22.34	21.70	22.70	
	3	LOW	64QAM	21.97	22.03	22.16	22.70	
		MID	64QAM	22.15	22.03	22.07	22.70	
		HIGH	64QAM	21.97	22.20	22.07	22.70	
	6	LOW	64QAM	21.10	20.82	21.00	21.70	
	Bandwidth	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	<b>23.77</b>	23.68	23.71	24.70
MID			QPSK	23.73	23.70	23.65	24.70	
HIGH			QPSK	23.70	23.61	23.54	24.70	
8		LOW	QPSK	23.04	22.94	22.86	23.70	
		MID	QPSK	23.01	22.87	22.84	23.70	
		HIGH	QPSK	22.91	22.90	22.74	23.70	
15		LOW	QPSK	23.03	22.87	22.83	23.70	
3		1	LOW	Q16	23.02	23.34	23.01	23.70
			MID	Q16	23.00	23.40	22.95	23.70
	HIGH		Q16	22.92	23.23	22.88	23.70	
	8	LOW	Q16	22.18	22.02	21.92	22.70	
		MID	Q16	22.08	21.93	21.85	22.70	
		HIGH	Q16	22.06	22.01	21.83	22.70	
	15	LOW	Q16	22.07	21.94	21.87	22.70	
	3	1	LOW	64QAM	22.14	22.22	21.87	22.70
			MID	64QAM	22.02	22.30	22.08	22.70
HIGH			64QAM	22.02	22.13	21.77	22.70	
8		LOW	64QAM	21.18	21.11	20.96	22.70	
		MID	64QAM	21.06	20.80	20.79	22.70	
		HIGH	64QAM	21.20	21.03	20.96	22.70	
15		LOW	64QAM	21.09	20.97	20.91	21.70	

Bandwidth	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	<b>23.83</b>	23.74	23.64	24.70	
		MID	QPSK	23.76	23.73	23.62	24.70	
		HIGH	QPSK	23.61	23.67	23.55	24.70	
	12	LOW	QPSK	23.02	22.88	22.80	23.70	
		MID	QPSK	23.01	22.86	22.72	23.70	
		HIGH	QPSK	22.92	22.88	22.80	23.70	
	25	LOW	QPSK	23.01	22.86	22.78	23.70	
	5	1	LOW	Q16	23.26	23.49	23.07	23.70
			MID	Q16	23.11	23.51	23.05	23.70
HIGH			Q16	23.08	23.45	22.94	23.70	
12		LOW	Q16	22.10	22.10	21.95	22.70	
		MID	Q16	22.10	21.99	21.89	22.70	
		HIGH	Q16	22.03	22.08	21.88	22.70	
25		LOW	Q16	22.03	21.97	21.75	22.70	
5		1	LOW	64QAM	22.25	22.63	22.09	22.70
			MID	64QAM	22.21	22.36	22.00	22.70
	HIGH		64QAM	22.08	22.35	22.00	22.70	
	12	LOW	64QAM	21.14	20.99	21.05	21.70	
		MID	64QAM	20.99	21.09	21.02	21.70	
		HIGH	64QAM	21.10	21.13	20.80	21.70	
	25	LOW	64QAM	21.08	21.05	20.60	21.70	
	Bandwidth	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.71	23.59	23.65	24.70
MID			QPSK	23.67	23.63	23.63	24.70	
HIGH			QPSK	23.58	23.57	<b>23.74</b>	24.70	
25		LOW	QPSK	22.91	22.87	22.86	23.70	
		MID	QPSK	22.96	22.90	22.87	23.70	
		HIGH	QPSK	22.96	22.99	22.87	23.70	
50		LOW	QPSK	23.02	22.93	22.84	23.70	
10		1	LOW	Q16	22.92	23.26	22.97	23.70
			MID	Q16	22.90	23.28	22.83	23.70
	HIGH		Q16	22.92	23.27	22.83	23.70	
	25	LOW	Q16	21.97	21.97	21.96	22.70	
		MID	Q16	22.07	21.99	21.96	22.70	
		HIGH	Q16	22.03	22.04	21.99	22.70	
	50	LOW	Q16	22.01	21.94	21.93	22.70	
	10	1	LOW	64QAM	21.85	22.32	22.12	22.70
			MID	64QAM	21.80	22.42	21.73	22.70
HIGH			64QAM	21.87	22.21	21.91	22.70	
25		LOW	64QAM	21.06	20.90	21.06	21.70	
		MID	64QAM	21.01	20.86	20.84	21.70	
		HIGH	64QAM	21.13	21.13	21.12	21.70	
50		LOW	64QAM	20.95	20.85	20.99	21.70	

LTE B5-State18 -Ant.0							
Bandwidth	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.08	23.05	22.99	23.80
		MID	QPSK	23.11	23.07	23.01	23.80
		HIGH	QPSK	23.06	23.05	22.89	23.80
	3	LOW	QPSK	23.12	23.01	22.95	23.80
		MID	QPSK	23.11	23.04	23.00	23.80
		HIGH	QPSK	23.10	23.00	22.94	23.80
6	LOW	QPSK	23.01	22.96	22.88	23.70	
1.4	1	LOW	Q16	23.19	23.32	23.03	23.70
		MID	Q16	23.26	<b>23.45</b>	23.03	23.70
		HIGH	Q16	23.18	23.36	22.98	23.70
	3	LOW	Q16	23.14	23.18	23.11	23.70
		MID	Q16	23.16	23.27	23.15	23.70
		HIGH	Q16	23.11	23.22	23.06	23.70
6	LOW	Q16	22.25	21.88	22.13	22.70	
1.4	1	LOW	64QAM	22.09	22.47	21.97	22.70
		MID	64QAM	22.11	22.42	21.94	22.70
		HIGH	64QAM	22.02	22.51	21.92	22.70
	3	LOW	64QAM	21.06	20.96	21.29	22.70
		MID	64QAM	21.09	21.06	20.93	22.70
		HIGH	64QAM	21.31	21.26	21.08	22.70
6	LOW	64QAM	21.24	21.21	20.96	21.70	
Bandwidth	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.25	23.11	23.17	23.80
		MID	QPSK	23.12	23.09	23.10	23.80
		HIGH	QPSK	23.14	23.03	22.99	23.80
	8	LOW	QPSK	23.12	23.02	23.01	23.70
		MID	QPSK	23.12	23.07	22.94	23.70
		HIGH	QPSK	23.03	23.02	22.88	23.70
15	LOW	QPSK	23.11	22.99	22.98	23.70	
3	1	LOW	Q16	23.13	23.49	23.13	23.70
		MID	Q16	23.11	<b>23.50</b>	23.10	23.70
		HIGH	Q16	22.97	23.43	22.99	23.70
	8	LOW	Q16	22.18	22.12	22.08	22.70
		MID	Q16	22.17	22.19	22.08	22.70
		HIGH	Q16	22.19	22.13	21.98	22.70
15	LOW	Q16	22.15	22.03	22.01	22.70	
3	1	LOW	64QAM	22.16	22.43	22.06	22.70
		MID	64QAM	21.98	22.50	21.86	22.70
		HIGH	64QAM	21.99	22.57	22.14	22.70
	8	LOW	64QAM	21.23	21.01	21.16	22.70
		MID	64QAM	21.32	21.03	21.03	22.70
		HIGH	64QAM	21.05	21.18	21.29	22.70
15	LOW	64QAM	21.11	20.94	20.96	21.70	



Bandwidth	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.17	23.15	23.09	23.80	
		MID	QPSK	23.13	23.12	23.07	23.80	
		HIGH	QPSK	23.02	23.08	23.00	23.80	
	12	LOW	QPSK	23.13	23.00	22.90	23.70	
		MID	QPSK	23.12	23.00	22.95	23.70	
		HIGH	QPSK	23.09	22.98	22.93	23.70	
	25	LOW	QPSK	23.10	22.94	22.91	23.70	
	5	1	LOW	Q16	23.38	23.57	23.21	23.70
			MID	Q16	23.30	<b>23.60</b>	23.19	23.70
HIGH			Q16	23.21	23.54	23.04	23.70	
12		LOW	Q16	22.22	22.20	22.11	22.70	
		MID	Q16	22.22	22.10	22.04	22.70	
		HIGH	Q16	22.09	22.20	22.03	22.70	
25		LOW	Q16	22.16	22.06	21.92	22.70	
5		1	LOW	64QAM	21.96	22.23	21.95	22.70
			MID	64QAM	21.88	22.48	21.96	22.70
	HIGH		64QAM	21.99	22.46	22.07	22.70	
	12	LOW	64QAM	21.12	21.22	21.13	22.70	
		MID	64QAM	21.30	21.22	20.92	22.70	
		HIGH	64QAM	21.26	21.09	21.26	22.70	
	25	LOW	64QAM	21.25	21.20	20.99	21.70	
	Bandwidth	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.15	23.00	23.10	23.80
MID			QPSK	23.06	23.04	23.04	23.80	
HIGH			QPSK	23.13	23.05	23.01	23.80	
25		LOW	QPSK	23.09	23.00	23.00	23.70	
		MID	QPSK	23.04	23.16	22.99	23.70	
		HIGH	QPSK	23.01	23.04	23.05	23.70	
50		LOW	QPSK	23.16	23.17	23.00	23.70	
10		1	LOW	Q16	23.06	23.38	23.10	23.70
			MID	Q16	23.01	23.42	22.94	23.70
	HIGH		Q16	23.05	<b>23.45</b>	23.00	23.70	
	25	LOW	Q16	22.12	22.08	22.14	22.70	
		MID	Q16	22.19	22.09	22.07	22.70	
		HIGH	Q16	22.19	22.14	22.16	22.70	
	50	LOW	Q16	22.14	22.06	22.04	22.70	
	10	1	LOW	64QAM	21.92	22.41	22.20	22.70
			MID	64QAM	22.09	22.49	21.90	22.70
HIGH			64QAM	22.19	22.45	21.93	22.70	
25		LOW	64QAM	21.09	20.96	21.09	21.70	
		MID	64QAM	21.22	21.08	21.02	21.70	
		HIGH	64QAM	21.22	21.02	21.02	21.70	
50		LOW	64QAM	21.04	21.11	21.06	21.70	

## 8.3.6 LTE Band5 (Ant.1) Output Power

LTE B5-State17 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.73	23.82	23.88	25.00	
		MID	QPSK	23.90	23.65	23.69	25.00	
		HIGH	QPSK	23.88	23.76	23.51	25.00	
	3	LOW	QPSK	<b>24.12</b>	23.93	23.85	25.00	
		MID	QPSK	23.84	23.83	23.64	25.00	
		HIGH	QPSK	24.03	23.83	23.85	25.00	
	6	LOW	QPSK	23.23	22.94	22.81	24.00	
	1.4	1	LOW	Q16	23.30	23.53	22.94	24.00
			MID	Q16	23.32	23.45	23.15	24.00
HIGH			Q16	23.25	23.61	23.09	24.00	
3		LOW	Q16	23.46	23.20	23.06	24.00	
		MID	Q16	23.23	23.23	23.35	24.00	
		HIGH	Q16	23.28	23.24	22.93	24.00	
6		LOW	Q16	22.47	22.02	21.85	23.00	
1.4		1	LOW	64QAM	22.38	22.59	22.17	23.00
			MID	64QAM	22.37	22.53	22.14	23.00
	HIGH		64QAM	22.24	22.26	22.10	23.00	
	3	LOW	64QAM	22.34	22.35	22.29	23.00	
		MID	64QAM	22.14	22.20	22.35	23.00	
		HIGH	64QAM	22.23	22.24	21.89	23.00	
	6	LOW	64QAM	21.26	20.95	20.90	22.00	
	Bandwidth	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.62	23.73	23.94	25.00
MID			QPSK	23.86	23.55	23.64	25.00	
HIGH			QPSK	<b>23.97</b>	23.84	23.49	25.00	
8		LOW	QPSK	23.07	22.91	22.85	24.00	
		MID	QPSK	22.93	22.85	22.73	24.00	
		HIGH	QPSK	23.00	22.95	22.94	24.00	
15		LOW	QPSK	22.90	22.95	22.79	24.00	
3		1	LOW	Q16	23.15	23.42	23.09	24.00
			MID	Q16	23.17	23.33	23.08	24.00
	HIGH		Q16	23.31	23.55	23.18	24.00	
	8	LOW	Q16	22.49	22.34	22.17	23.00	
		MID	Q16	22.03	22.10	22.24	23.00	
		HIGH	Q16	22.31	22.21	21.86	23.00	
	15	LOW	Q16	22.27	22.29	22.41	23.00	
	3	1	LOW	64QAM	22.21	22.07	22.40	23.00
			MID	64QAM	22.12	22.22	21.75	23.00
HIGH			64QAM	22.34	22.32	22.11	23.00	
8		LOW	64QAM	22.32	22.23	22.22	23.00	
		MID	64QAM	22.24	22.13	22.40	23.00	
		HIGH	64QAM	22.30	22.19	21.75	23.00	
15		LOW	64QAM	21.23	20.83	20.78	22.00	

Bandwidth	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.68	23.77	<b>24.08</b>	25.00	
		MID	QPSK	23.71	23.45	23.50	25.00	
		HIGH	QPSK	24.01	23.95	23.47	25.00	
	12	LOW	QPSK	22.93	22.78	22.86	24.00	
		MID	QPSK	23.03	22.84	22.73	24.00	
		HIGH	QPSK	23.13	22.81	22.80	24.00	
	25	LOW	QPSK	23.01	22.83	22.90	24.00	
	5	1	LOW	Q16	23.12	23.31	22.94	24.00
			MID	Q16	23.25	23.19	22.98	24.00
HIGH			Q16	23.41	23.42	23.20	24.00	
12		LOW	Q16	22.45	22.31	22.10	23.00	
		MID	Q16	22.01	22.22	22.26	23.00	
		HIGH	Q16	22.34	22.16	21.96	23.00	
25		LOW	Q16	22.24	22.39	22.37	23.00	
5		1	LOW	64QAM	22.16	22.18	22.45	23.00
			MID	64QAM	22.03	22.08	21.89	23.00
	HIGH		64QAM	22.48	22.25	22.26	23.00	
	12	LOW	64QAM	21.11	20.73	20.88	22.00	
		MID	64QAM	21.18	20.90	20.93	22.00	
		HIGH	64QAM	21.13	20.95	21.82	22.00	
	25	LOW	64QAM	21.14	20.84	20.79	22.00	
	Bandwidth	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.75	23.75	24.00	25.00
MID			QPSK	23.80	23.39	23.52	25.00	
HIGH			QPSK	23.94	23.87	<b>24.09</b>	25.00	
25		LOW	QPSK	22.89	22.80	22.82	24.00	
		MID	QPSK	23.07	23.10	22.73	24.00	
		HIGH	QPSK	22.92	22.90	22.88	24.00	
50		LOW	QPSK	22.91	23.01	22.91	24.00	
10		1	LOW	Q16	23.25	23.16	22.86	24.00
			MID	Q16	23.27	23.32	22.92	24.00
	HIGH		Q16	23.49	23.52	23.16	24.00	
	25	LOW	Q16	22.40	22.41	22.17	23.00	
		MID	Q16	22.03	22.33	22.16	23.00	
		HIGH	Q16	22.26	22.25	21.82	23.00	
	50	LOW	Q16	22.10	22.41	22.25	23.00	
	10	1	LOW	64QAM	22.27	22.17	22.33	23.00
			MID	64QAM	21.99	22.01	21.77	23.00
HIGH			64QAM	22.53	22.19	22.40	23.00	
25		LOW	64QAM	21.23	20.60	20.98	22.00	
		MID	64QAM	21.20	21.01	20.85	22.00	
		HIGH	64QAM	20.98	21.07	21.96	22.00	
50		LOW	64QAM	21.12	20.92	20.73	22.00	

LTE B5-State18 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.73	23.82	23.88	25.00	
		MID	QPSK	23.90	23.65	23.69	25.00	
		HIGH	QPSK	23.88	23.76	23.51	25.00	
	3	LOW	QPSK	<b>24.12</b>	23.93	23.85	25.00	
		MID	QPSK	23.84	23.83	23.64	25.00	
		HIGH	QPSK	24.03	23.83	23.85	25.00	
	6	LOW	QPSK	23.23	22.94	22.81	24.00	
	1.4	1	LOW	Q16	23.30	23.53	22.94	24.00
			MID	Q16	23.32	23.45	23.15	24.00
HIGH			Q16	23.25	23.61	23.09	24.00	
3		LOW	Q16	23.46	23.20	23.06	24.00	
		MID	Q16	23.23	23.23	23.35	24.00	
		HIGH	Q16	23.28	23.24	22.93	24.00	
6		LOW	Q16	22.47	22.02	21.85	23.00	
1.4		1	LOW	64QAM	22.38	22.59	22.17	23.00
			MID	64QAM	22.37	22.53	22.14	23.00
	HIGH		64QAM	22.24	22.26	22.10	23.00	
	3	LOW	64QAM	22.34	22.35	22.29	23.00	
		MID	64QAM	22.14	22.20	22.35	23.00	
		HIGH	64QAM	22.23	22.24	21.89	23.00	
	6	LOW	64QAM	21.26	20.95	20.90	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.62	23.73	23.94	25.00
MID			QPSK	23.86	23.55	23.64	25.00	
HIGH			QPSK	<b>23.97</b>	23.84	23.49	25.00	
8		LOW	QPSK	23.07	22.91	22.85	24.00	
		MID	QPSK	22.93	22.85	22.73	24.00	
		HIGH	QPSK	23.00	22.95	22.94	24.00	
15		LOW	QPSK	22.90	22.95	22.79	24.00	
3		1	LOW	Q16	23.15	23.42	23.09	24.00
			MID	Q16	23.17	23.33	23.08	24.00
	HIGH		Q16	23.31	23.55	23.18	24.00	
	8	LOW	Q16	22.49	22.34	22.17	23.00	
		MID	Q16	22.03	22.10	22.24	23.00	
		HIGH	Q16	22.31	22.21	21.86	23.00	
	15	LOW	Q16	22.27	22.29	22.41	23.00	
	3	1	LOW	64QAM	22.21	22.07	22.40	23.00
			MID	64QAM	22.12	22.22	21.75	23.00
HIGH			64QAM	22.34	22.32	22.11	23.00	
8		LOW	64QAM	22.32	22.23	22.22	23.00	
		MID	64QAM	22.24	22.13	22.40	23.00	
		HIGH	64QAM	22.30	22.19	21.75	23.00	
15		LOW	64QAM	21.23	20.83	20.78	22.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.68	23.77	<b>24.08</b>	25.00	
		MID	QPSK	23.71	23.45	23.50	25.00	
		HIGH	QPSK	24.01	23.95	23.47	25.00	
	12	LOW	QPSK	22.93	22.78	22.86	24.00	
		MID	QPSK	23.03	22.84	22.73	24.00	
		HIGH	QPSK	23.13	22.81	22.80	24.00	
	25	LOW	QPSK	23.01	22.83	22.90	24.00	
	5	1	LOW	Q16	23.12	23.31	22.94	24.00
			MID	Q16	23.25	23.19	22.98	24.00
HIGH			Q16	23.41	23.42	23.20	24.00	
12		LOW	Q16	22.45	22.31	22.10	23.00	
		MID	Q16	22.01	22.22	22.26	23.00	
		HIGH	Q16	22.34	22.16	21.96	23.00	
25		LOW	Q16	22.24	22.39	22.37	23.00	
5		1	LOW	64QAM	22.16	22.18	22.45	23.00
			MID	64QAM	22.03	22.08	21.89	23.00
	HIGH		64QAM	22.48	22.25	22.26	23.00	
	12	LOW	64QAM	21.11	20.73	20.88	22.00	
		MID	64QAM	21.18	20.90	20.93	22.00	
		HIGH	64QAM	21.13	20.95	21.82	22.00	
	25	LOW	64QAM	21.14	20.84	20.79	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.75	23.75	24.00	25.00
MID			QPSK	23.80	23.39	23.52	25.00	
HIGH			QPSK	23.94	23.87	<b>24.09</b>	25.00	
25		LOW	QPSK	22.89	22.80	22.82	24.00	
		MID	QPSK	23.07	23.10	22.73	24.00	
		HIGH	QPSK	22.92	22.90	22.88	24.00	
50		LOW	QPSK	22.91	23.01	22.91	24.00	
10		1	LOW	Q16	23.25	23.16	22.86	24.00
			MID	Q16	23.27	23.32	22.92	24.00
	HIGH		Q16	23.49	23.52	23.16	24.00	
	25	LOW	Q16	22.40	22.41	22.17	23.00	
		MID	Q16	22.03	22.33	22.16	23.00	
		HIGH	Q16	22.26	22.25	21.82	23.00	
	50	LOW	Q16	22.10	22.41	22.25	23.00	
	10	1	LOW	64QAM	22.27	22.17	22.33	23.00
			MID	64QAM	21.99	22.01	21.77	23.00
HIGH			64QAM	22.53	22.19	22.40	23.00	
25		LOW	64QAM	21.23	20.60	20.98	22.00	
		MID	64QAM	21.20	21.01	20.85	22.00	
		HIGH	64QAM	20.98	21.07	21.96	22.00	
50		LOW	64QAM	21.12	20.92	20.73	22.00	

## 8.3.7 LTE Band7 (Ant.3) Output Power

LTE B7-State17 -Ant.3								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	16.94	16.88	16.92	17.40	
		MID	QPSK	16.73	17.00	16.99	17.40	
		HIGH	QPSK	16.68	17.10	16.89	17.40	
	12	LOW	QPSK	16.72	16.82	17.03	17.40	
		MID	QPSK	17.03	16.86	16.97	17.40	
		HIGH	QPSK	16.71	16.98	16.93	17.40	
	25	LOW	QPSK	17.07	17.10	16.94	17.40	
	5	1	LOW	Q16	17.23	17.24	17.39	17.40
			MID	Q16	16.64	17.12	16.96	17.40
HIGH			Q16	16.71	17.21	17.31	17.40	
12		LOW	Q16	16.83	17.01	16.86	17.40	
		MID	Q16	17.00	16.98	16.75	17.40	
		HIGH	Q16	16.86	17.10	17.08	17.40	
25		LOW	Q16	16.71	17.06	16.64	17.40	
5		1	LOW	64QAM	16.95	17.22	17.32	17.40
			MID	64QAM	16.69	16.94	17.16	17.40
	HIGH		64QAM	16.74	17.29	17.35	17.40	
	12	LOW	64QAM	17.08	16.98	17.09	17.40	
		MID	64QAM	17.25	16.91	16.75	17.40	
		HIGH	64QAM	17.00	16.91	17.18	17.40	
	25	LOW	64QAM	16.86	17.19	16.88	17.40	
	10	1	LOW	QPSK	17.05	17.04	17.05	17.40
			MID	QPSK	16.82	16.80	16.79	17.40
HIGH			QPSK	16.67	17.18	16.72	17.40	
LOW			QPSK	16.83	17.04	16.75	17.40	
MID			QPSK	16.89	16.72	16.98	17.40	
HIGH			QPSK	16.73	17.22	16.95	17.40	
25		LOW	QPSK	16.98	16.99	16.76	17.40	
		LOW	Q16	17.32	17.13	17.27	17.40	
		MID	Q16	16.59	16.93	17.08	17.40	
10		1	HIGH	Q16	16.69	17.06	17.24	17.40
			LOW	Q16	16.88	17.10	16.97	17.40
			MID	Q16	17.06	16.99	16.83	17.40
25		1	HIGH	Q16	17.09	16.94	17.05	17.40
			LOW	Q16	16.72	16.95	16.74	17.40
			LOW	Q16	16.72	16.95	16.74	17.40
10		1	LOW	64QAM	17.25	17.26	17.39	17.40
			MID	64QAM	16.72	16.93	17.03	17.40
			HIGH	64QAM	16.94	17.01	17.20	17.40
	25	LOW	64QAM	17.03	17.06	16.95	17.40	
		MID	64QAM	17.24	17.11	16.97	17.40	
		HIGH	64QAM	17.03	16.94	17.10	17.40	
	50	LOW	64QAM	16.73	17.21	16.84	17.40	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	16.93	16.90	16.93	17.40	
		MID	QPSK	16.85	16.92	16.85	17.40	
		HIGH	QPSK	16.68	17.03	16.81	17.40	
	36	LOW	QPSK	16.74	16.96	16.88	17.40	
		MID	QPSK	16.94	16.85	16.88	17.40	
		HIGH	QPSK	16.75	17.07	17.07	17.40	
	75	LOW	QPSK	17.00	16.99	16.84	17.40	
	15	1	LOW	Q16	17.38	17.22	<b>17.40</b>	17.40
			MID	Q16	16.74	17.01	17.01	17.40
HIGH			Q16	16.84	17.15	17.24	17.40	
36		LOW	Q16	16.96	17.02	17.01	17.40	
		MID	Q16	17.12	16.99	16.83	17.40	
		HIGH	Q16	16.99	17.00	17.11	17.40	
75		LOW	Q16	16.79	17.10	16.73	17.40	
15		1	LOW	64QAM	16.81	17.07	16.93	17.40
			MID	64QAM	16.90	17.10	16.79	17.40
	HIGH		64QAM	16.71	17.04	16.88	17.40	
	36	LOW	64QAM	16.77	16.95	16.95	17.40	
		MID	64QAM	16.94	16.94	17.04	17.40	
		HIGH	64QAM	16.95	16.97	17.04	17.40	
	75	LOW	64QAM	16.91	17.09	16.92	17.40	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	16.98	16.98	16.86	17.40
MID			QPSK	16.80	17.02	16.94	17.40	
HIGH			QPSK	16.80	17.02	16.86	17.40	
50		LOW	QPSK	16.83	16.98	16.89	17.40	
		MID	QPSK	16.97	17.00	16.96	17.40	
		HIGH	QPSK	16.90	17.06	16.98	17.40	
100	LOW	QPSK	16.90	16.93	16.96	17.40		
20	1	LOW	Q16	<b>17.38</b>	17.32	17.31	17.40	
		MID	Q16	<b>17.38</b>	<b>17.38</b>	17.31	17.40	
		HIGH	Q16	16.97	17.25	<b>17.38</b>	17.40	
	50	LOW	Q16	16.85	17.02	16.91	17.40	
		MID	Q16	16.99	17.04	16.90	17.40	
		HIGH	Q16	16.92	17.08	16.97	17.40	
100	LOW	Q16	16.93	17.01	16.88	17.40		
20	1	LOW	64QAM	16.80	16.85	16.76	17.40	
		MID	64QAM	16.94	16.95	16.81	17.40	
		HIGH	64QAM	16.68	17.00	16.71	17.40	
	50	LOW	64QAM	16.97	16.87	16.94	17.40	
		MID	64QAM	17.10	17.00	16.91	17.40	
		HIGH	64QAM	16.87	17.05	17.13	17.40	
	100	LOW	64QAM	16.95	17.03	16.96	17.40	

LTE B7-State18 -Ant.3								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	15.51	15.45	15.64	15.90	
		MID	QPSK	15.47	15.43	15.47	15.90	
		HIGH	QPSK	15.31	15.38	15.52	15.90	
	12	LOW	QPSK	15.39	15.50	15.59	15.90	
		MID	QPSK	15.51	15.45	15.46	15.90	
		HIGH	QPSK	15.66	15.61	15.66	15.90	
	25	LOW	QPSK	15.49	15.72	15.52	15.90	
	5	1	LOW	Q16	15.45	15.60	15.55	15.90
			MID	Q16	15.18	15.30	15.57	15.90
HIGH			Q16	15.22	15.71	15.46	15.90	
12		LOW	Q16	15.31	15.71	15.43	15.90	
		MID	Q16	15.60	15.61	15.69	15.90	
		HIGH	Q16	15.66	15.73	15.62	15.90	
25		LOW	Q16	15.58	15.59	15.58	15.90	
5		1	LOW	64QAM	15.43	15.40	15.45	15.90
			MID	64QAM	15.19	15.35	15.45	15.90
	HIGH		64QAM	15.29	15.52	15.59	15.90	
	12	LOW	64QAM	15.61	15.49	15.42	15.90	
		MID	64QAM	15.47	15.61	15.58	15.90	
		HIGH	64QAM	15.50	15.74	15.70	15.90	
	25	LOW	64QAM	15.54	15.48	15.44	15.90	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	15.33	15.44	15.45	15.90
MID			QPSK	15.34	15.52	15.34	15.90	
HIGH			QPSK	15.45	15.40	15.55	15.90	
25		LOW	QPSK	15.34	15.61	15.57	15.90	
		MID	QPSK	15.61	15.69	15.58	15.90	
		HIGH	QPSK	15.63	15.77	15.47	15.90	
50	LOW	QPSK	15.36	15.69	15.64	15.90		
10	1	LOW	Q16	15.51	15.68	15.35	15.90	
		MID	Q16	15.41	15.27	15.67	15.90	
		HIGH	Q16	15.23	15.62	15.51	15.90	
	25	LOW	Q16	15.61	15.59	15.45	15.90	
		MID	Q16	15.51	15.57	15.49	15.90	
		HIGH	Q16	15.58	15.77	15.66	15.90	
50	LOW	Q16	15.49	15.68	15.45	15.90		
10	1	LOW	64QAM	15.49	15.65	15.46	15.90	
		MID	64QAM	15.40	15.35	15.48	15.90	
		HIGH	64QAM	15.28	15.73	15.65	15.90	
	25	LOW	64QAM	15.49	15.46	15.50	15.90	
		MID	64QAM	15.54	15.46	15.58	15.90	
		HIGH	64QAM	15.48	15.57	15.78	15.90	
50	LOW	64QAM	15.35	15.61	15.53	15.90		



Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	15.28	15.32	15.35	15.90	
		MID	QPSK	15.29	15.45	15.60	15.90	
		HIGH	QPSK	15.52	15.46	15.42	15.90	
	36	LOW	QPSK	15.31	15.55	15.63	15.90	
		MID	QPSK	15.48	15.63	15.69	15.90	
		HIGH	QPSK	15.61	15.55	<b>15.75</b>	15.90	
	75	LOW	QPSK	15.43	15.56	15.51	15.90	
	15	1	LOW	Q16	15.37	15.64	15.42	15.90
			MID	Q16	15.35	15.30	15.57	15.90
HIGH			Q16	15.42	15.58	15.54	15.90	
36		LOW	Q16	15.39	15.48	15.37	15.90	
		MID	Q16	15.48	15.68	15.42	15.90	
		HIGH	Q16	15.52	15.51	15.50	15.90	
75		LOW	Q16	15.42	15.49	15.59	15.90	
15		1	LOW	64QAM	15.44	15.56	15.33	15.90
			MID	64QAM	15.32	15.36	15.53	15.90
	HIGH		64QAM	15.15	15.59	15.61	15.90	
	36	LOW	64QAM	15.59	15.42	15.52	15.90	
		MID	64QAM	15.59	15.49	15.42	15.90	
		HIGH	64QAM	15.67	15.72	15.53	15.90	
	75	LOW	64QAM	15.50	15.54	15.50	15.90	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	15.40	15.44	15.49	15.90
MID			QPSK	15.53	15.56	15.47	15.90	
HIGH			QPSK	15.38	15.51	15.55	15.90	
50		LOW	QPSK	15.46	15.59	15.51	15.90	
		MID	QPSK	15.51	15.60	15.56	15.90	
		HIGH	QPSK	15.52	15.61	15.65	15.90	
100	LOW	QPSK	15.49	15.54	15.58	15.90		
20	1	LOW	Q16	15.43	15.53	15.44	15.90	
		MID	Q16	15.31	15.41	15.59	15.90	
		HIGH	Q16	15.30	15.62	15.52	15.90	
	50	LOW	Q16	15.46	15.56	15.51	15.90	
		MID	Q16	15.55	15.56	15.55	15.90	
		HIGH	Q16	15.53	15.65	15.64	15.90	
100	LOW	Q16	15.50	15.58	15.49	15.90		
20	1	LOW	64QAM	15.50	15.48	15.44	15.90	
		MID	64QAM	15.46	15.49	15.39	15.90	
		HIGH	64QAM	15.50	15.50	15.49	15.90	
	50	LOW	64QAM	15.57	15.46	15.66	15.90	
		MID	64QAM	15.53	15.65	15.41	15.90	
		HIGH	64QAM	15.54	<b>15.71</b>	15.60	15.90	
100	LOW	64QAM	15.65	15.59	15.62	15.90		

## 8.3.8 LTE Band7 (Ant.4) Output Power

LTE B7-State17 -Ant.4									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)		
5	1	LOW	QPSK	19.74	19.93	19.87	20.20		
		MID	QPSK	19.74	19.86	19.75	20.20		
		HIGH	QPSK	19.55	19.47	19.81	20.20		
	12	LOW	QPSK	19.72	19.79	19.74	20.20		
		MID	QPSK	19.77	19.80	19.69	20.20		
		HIGH	QPSK	19.77	20.05	19.88	20.20		
	25	LOW	QPSK	19.81	19.69	19.59	20.20		
	5	1	LOW	Q16	19.78	19.79	19.78	20.20	
			MID	Q16	19.70	19.78	20.05	20.20	
HIGH			Q16	19.57	19.78	20.00	20.20		
12		LOW	Q16	19.79	19.58	19.76	20.20		
		MID	Q16	20.11	20.02	<b>20.15</b>	20.20		
		HIGH	Q16	19.80	19.72	19.94	20.20		
25		LOW	Q16	19.92	19.77	20.11	20.20		
5		1	LOW	64QAM	19.44	19.14	19.45	20.20	
			MID	64QAM	19.25	19.57	19.25	20.20	
	HIGH		64QAM	19.24	19.11	19.40	20.20		
	12	LOW	64QAM	19.33	19.43	19.22	20.20		
		MID	64QAM	19.24	19.15	19.43	20.20		
		HIGH	64QAM	19.55	19.33	19.37	20.20		
	25	LOW	64QAM	19.13	19.32	19.30	20.20		
	10	10	1	LOW	QPSK	19.67	19.66	19.96	20.20
				MID	QPSK	19.54	19.98	19.71	20.20
HIGH				QPSK	19.60	19.50	19.90	20.20	
25			LOW	QPSK	19.74	19.92	19.85	20.20	
			MID	QPSK	19.95	19.75	19.67	20.20	
			HIGH	QPSK	19.80	<b>20.16</b>	20.06	20.20	
50			LOW	QPSK	19.75	19.77	19.81	20.20	
10			1	LOW	Q16	19.67	19.53	19.78	20.20
				MID	Q16	19.80	19.70	20.01	20.20
		HIGH		Q16	19.71	19.88	20.07	20.20	
		25	LOW	Q16	19.52	19.78	19.84	20.20	
			MID	Q16	19.96	19.95	20.02	20.20	
			HIGH	Q16	19.95	19.88	19.87	20.20	
		50	LOW	Q16	19.96	19.83	20.02	20.20	
		10	1	LOW	64QAM	19.49	19.36	19.40	20.20
				MID	64QAM	19.23	19.38	19.19	20.20
HIGH				64QAM	18.96	19.36	19.23	20.20	
25			LOW	64QAM	19.44	19.37	19.25	20.20	
			MID	64QAM	19.38	19.12	19.30	20.20	
			HIGH	64QAM	19.41	19.58	19.36	20.20	
50			LOW	64QAM	19.24	19.43	19.17	20.20	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	19.66	19.76	20.09	20.20	
		MID	QPSK	19.64	19.76	19.68	20.20	
		HIGH	QPSK	19.56	19.76	19.94	20.20	
	36	LOW	QPSK	19.88	19.75	19.73	20.20	
		MID	QPSK	20.01	19.79	19.79	20.20	
		HIGH	QPSK	19.92	<b>20.18</b>	20.15	20.20	
	75	LOW	QPSK	19.74	19.72	19.82	20.20	
	15	1	LOW	Q16	19.68	19.56	19.79	20.20
			MID	Q16	19.58	19.80	20.10	20.20
HIGH			Q16	19.55	19.59	19.93	20.20	
36		LOW	Q16	19.79	19.61	19.71	20.20	
		MID	Q16	19.83	19.85	19.88	20.20	
		HIGH	Q16	19.81	19.91	19.87	20.20	
75		LOW	Q16	19.82	19.67	20.02	20.20	
15		1	LOW	64QAM	19.41	19.25	19.54	20.20
			MID	64QAM	19.29	19.48	19.37	20.20
	HIGH		64QAM	19.24	19.26	19.47	20.20	
	36	LOW	64QAM	19.25	19.47	19.10	20.20	
		MID	64QAM	19.28	19.16	19.34	20.20	
		HIGH	64QAM	19.61	19.41	19.34	20.20	
	75	LOW	64QAM	19.32	19.47	19.32	20.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	19.71	19.78	19.97	20.20
MID			QPSK	19.67	19.83	19.65	20.20	
HIGH			QPSK	19.66	19.62	19.93	20.20	
50		LOW	QPSK	19.82	19.83	19.88	20.20	
		MID	QPSK	19.87	19.73	19.71	20.20	
		HIGH	QPSK	19.87	20.06	20.02	20.20	
100	LOW	QPSK	19.71	19.81	19.84	20.20		
20	1	LOW	Q16	19.67	19.64	19.75	20.20	
		MID	Q16	19.72	19.76	19.97	20.20	
		HIGH	Q16	19.63	19.73	<b>20.07</b>	20.20	
	50	LOW	Q16	19.65	19.68	19.75	20.20	
		MID	Q16	19.97	19.87	20.02	20.20	
		HIGH	Q16	19.80	19.81	19.92	20.20	
100	LOW	Q16	19.83	19.81	19.97	20.20		
20	1	LOW	64QAM	19.34	19.23	19.54	20.20	
		MID	64QAM	19.20	19.48	19.28	20.20	
		HIGH	64QAM	19.09	19.22	19.36	20.20	
	50	LOW	64QAM	19.30	19.45	19.23	20.20	
		MID	64QAM	19.34	19.13	19.30	20.20	
		HIGH	64QAM	19.46	19.45	19.39	20.20	
100	LOW	64QAM	19.23	19.37	19.26	20.20		

LTE B7-Full Power -Ant.4								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.57	22.57	22.58	24.00	
		MID	QPSK	22.63	22.62	<b>22.64</b>	24.00	
		HIGH	QPSK	22.56	22.57	22.52	24.00	
	12	LOW	QPSK	21.70	21.59	21.63	23.00	
		MID	QPSK	21.67	21.70	21.65	23.00	
		HIGH	QPSK	21.69	21.68	21.57	23.00	
	25	LOW	QPSK	21.69	21.58	21.67	23.00	
	5	1	LOW	Q16	21.82	22.13	21.81	23.00
			MID	Q16	21.82	22.20	21.79	23.00
HIGH			Q16	21.78	22.15	21.72	23.00	
12		LOW	Q16	20.80	20.80	20.76	22.00	
		MID	Q16	20.77	20.86	20.74	22.00	
		HIGH	Q16	20.75	20.87	20.73	22.00	
25		LOW	Q16	20.72	20.69	20.61	22.00	
5		1	LOW	64QAM	20.79	21.12	20.73	22.00
			MID	64QAM	20.70	21.24	20.65	22.00
	HIGH		64QAM	20.75	21.26	20.72	22.00	
	12	LOW	64QAM	19.67	19.74	19.61	21.00	
		MID	64QAM	19.83	19.96	19.69	21.00	
		HIGH	64QAM	19.66	20.02	19.79	21.00	
	25	LOW	64QAM	19.72	19.59	19.48	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.57	22.51	22.59	24.00
MID			QPSK	22.47	22.59	22.56	24.00	
HIGH			QPSK	22.57	22.61	<b>22.63</b>	24.00	
25		LOW	QPSK	21.71	21.67	21.72	23.00	
		MID	QPSK	21.74	21.65	21.73	23.00	
		HIGH	QPSK	21.74	21.70	21.70	23.00	
50	LOW	QPSK	21.73	21.68	21.70	23.00		
10	1	LOW	Q16	21.58	22.00	21.63	23.00	
		MID	Q16	21.52	22.02	21.60	23.00	
		HIGH	Q16	21.54	22.04	21.66	23.00	
	25	LOW	Q16	20.75	20.72	20.82	22.00	
		MID	Q16	20.75	20.74	20.85	22.00	
		HIGH	Q16	20.77	20.76	20.82	22.00	
50	LOW	Q16	20.70	20.74	20.76	22.00		
10	1	LOW	64QAM	20.60	21.11	20.62	22.00	
		MID	64QAM	20.65	20.89	20.69	22.00	
		HIGH	64QAM	20.41	21.11	20.74	22.00	
	25	LOW	64QAM	19.75	19.69	19.90	21.00	
		MID	64QAM	19.61	19.79	19.92	21.00	
		HIGH	64QAM	19.81	19.86	19.79	21.00	
50	LOW	64QAM	19.55	19.87	19.88	21.00		

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.57	22.61	22.61	24.00	
		MID	QPSK	22.58	<b>22.66</b>	22.55	24.00	
		HIGH	QPSK	22.61	22.57	22.58	24.00	
	36	LOW	QPSK	21.64	21.67	21.64	23.00	
		MID	QPSK	21.73	21.68	21.66	23.00	
		HIGH	QPSK	21.75	21.73	21.74	23.00	
	75	LOW	QPSK	21.75	21.63	21.63	23.00	
	15	1	LOW	Q16	21.57	22.09	22.07	23.00
			MID	Q16	21.48	22.07	22.30	23.00
HIGH			Q16	21.56	22.03	22.06	23.00	
36		LOW	Q16	20.61	20.73	20.65	22.00	
		MID	Q16	20.77	20.74	20.67	22.00	
		HIGH	Q16	20.76	20.78	20.71	22.00	
75		LOW	Q16	20.72	20.70	20.65	22.00	
15		1	LOW	64QAM	20.46	20.96	21.12	22.00
			MID	64QAM	20.49	21.03	21.34	22.00
	HIGH		64QAM	20.51	20.96	21.12	22.00	
	36	LOW	64QAM	19.74	19.86	19.76	21.00	
		MID	64QAM	19.89	19.87	19.60	21.00	
		HIGH	64QAM	19.74	19.90	19.70	21.00	
	75	LOW	64QAM	19.70	19.58	19.57	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.59	22.55	22.56	24.00
MID			QPSK	22.57	22.68	<b>22.69</b>	24.00	
HIGH			QPSK	22.61	22.67	22.59	24.00	
50		LOW	QPSK	21.64	21.66	21.64	23.00	
		MID	QPSK	21.77	21.68	21.78	23.00	
		HIGH	QPSK	21.75	21.73	21.72	23.00	
100		LOW	QPSK	21.72	21.68	21.73	23.00	
20		1	LOW	Q16	22.14	22.12	22.04	23.00
			MID	Q16	22.12	22.14	22.03	23.00
	HIGH		Q16	22.19	22.12	22.04	23.00	
	50	LOW	Q16	20.69	20.70	20.67	22.00	
		MID	Q16	20.76	20.76	20.72	22.00	
		HIGH	Q16	20.75	20.78	20.72	22.00	
	100	LOW	Q16	20.73	20.68	20.74	22.00	
	20	1	LOW	64QAM	21.06	21.08	21.03	22.00
			MID	64QAM	21.02	21.16	21.08	22.00
HIGH			64QAM	21.10	21.05	21.17	22.00	
50		LOW	64QAM	19.78	19.60	19.70	21.00	
		MID	64QAM	19.67	19.77	19.57	21.00	
		HIGH	64QAM	19.65	19.72	19.76	21.00	
100		LOW	64QAM	19.86	19.78	19.59	21.00	

## 8.3.9 LTE Band12 (Ant.0) Output Power

LTE B12-State17 -Ant.0								
Bandwidth	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.72	23.69	23.65	24.70	
		MID	QPSK	23.73	23.75	23.72	24.70	
		HIGH	QPSK	23.71	23.69	23.59	24.70	
	3	LOW	QPSK	23.73	23.75	<b>23.78</b>	24.70	
		MID	QPSK	23.75	23.72	23.62	24.70	
		HIGH	QPSK	23.72	23.73	23.64	24.70	
	6	LOW	QPSK	22.85	22.63	22.67	23.70	
	1.4	1	LOW	Q16	23.19	22.80	22.90	23.70
			MID	Q16	23.24	22.89	22.84	23.70
HIGH			Q16	23.14	22.80	22.84	23.70	
3		LOW	Q16	23.04	22.90	22.83	23.70	
		MID	Q16	23.06	23.04	22.77	23.70	
		HIGH	Q16	22.99	22.98	22.73	23.70	
6		LOW	Q16	21.70	21.89	21.87	22.70	
1.4		1	LOW	64QAM	22.29	21.75	21.91	22.70
			MID	64QAM	22.37	21.76	21.77	22.70
	HIGH		64QAM	22.10	21.66	21.98	22.70	
	3	LOW	64QAM	22.19	21.94	21.74	22.70	
		MID	64QAM	22.01	21.94	21.76	22.70	
		HIGH	64QAM	22.02	22.01	21.72	22.70	
	6	LOW	64QAM	20.83	20.76	20.88	21.70	
	Bandwidth	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	<b>23.89</b>	23.79	23.86	24.70
MID			QPSK	23.76	23.78	23.82	24.70	
HIGH			QPSK	23.73	23.70	23.74	24.70	
8		LOW	QPSK	22.87	22.83	22.72	23.70	
		MID	QPSK	22.87	22.89	22.78	23.70	
		HIGH	QPSK	22.82	22.85	22.79	23.70	
15		LOW	QPSK	22.86	22.80	22.75	23.70	
3		1	LOW	Q16	22.85	23.30	22.90	23.70
			MID	Q16	22.82	23.32	22.90	23.70
	HIGH		Q16	22.73	23.22	22.78	23.70	
	8	LOW	Q16	21.99	21.91	21.73	22.70	
		MID	Q16	21.93	21.96	21.86	22.70	
		HIGH	Q16	21.93	21.93	21.81	22.70	
	15	LOW	Q16	21.87	21.90	21.71	22.70	
	3	1	LOW	64QAM	21.76	22.21	21.90	22.70
			MID	64QAM	21.97	22.27	21.97	22.70
HIGH			64QAM	21.73	22.11	21.68	22.70	
8		LOW	64QAM	20.91	20.77	20.88	22.70	
		MID	64QAM	21.07	20.85	20.95	22.70	
		HIGH	64QAM	20.99	20.99	20.96	22.70	
15		LOW	64QAM	20.77	20.76	20.59	21.70	

Bandwidth	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	23.79	<b>23.85</b>	23.72	24.70	
		MID	QPSK	23.79	23.83	23.79	24.70	
		HIGH	QPSK	23.65	23.79	23.73	24.70	
	12	LOW	QPSK	22.88	22.84	22.76	23.70	
		MID	QPSK	22.86	22.81	22.85	23.70	
		HIGH	QPSK	22.80	22.83	22.74	23.70	
	25	LOW	QPSK	22.81	22.76	22.75	23.70	
	5	1	LOW	Q16	23.07	23.38	22.93	23.70
			MID	Q16	22.98	23.41	22.97	23.70
HIGH			Q16	22.96	23.35	22.91	23.70	
12		LOW	Q16	21.98	22.04	21.88	22.70	
		MID	Q16	21.96	21.96	21.90	22.70	
		HIGH	Q16	21.88	22.02	21.87	22.70	
25		LOW	Q16	21.88	21.89	21.70	22.70	
5		1	LOW	64QAM	22.12	22.49	21.79	22.70
			MID	64QAM	22.12	22.33	21.90	22.70
	HIGH		64QAM	21.92	22.42	21.94	22.70	
	12	LOW	64QAM	20.97	21.06	20.73	21.70	
		MID	64QAM	20.91	21.10	20.82	21.70	
		HIGH	64QAM	20.77	21.15	20.81	21.70	
	25	LOW	64QAM	20.95	20.76	20.78	21.70	
	Bandwidth	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	23.75	23.72	<b>23.81</b>	24.70
MID			QPSK	23.80	23.75	23.76	24.70	
HIGH			QPSK	23.77	23.75	23.78	24.70	
25		LOW	QPSK	22.91	22.89	22.91	23.70	
		MID	QPSK	22.92	22.87	22.91	23.70	
		HIGH	QPSK	22.89	22.95	22.85	23.70	
50		LOW	QPSK	22.87	22.95	22.92	23.70	
10		1	LOW	Q16	22.82	23.18	22.89	23.70
			MID	Q16	22.80	23.21	22.78	23.70
	HIGH		Q16	22.87	23.23	22.81	23.70	
	25	LOW	Q16	21.98	21.90	21.98	22.70	
		MID	Q16	22.00	21.91	22.03	22.70	
		HIGH	Q16	21.96	21.92	21.96	22.70	
	50	LOW	Q16	21.95	21.91	21.93	22.70	
	10	1	LOW	64QAM	21.69	22.07	21.91	22.70
			MID	64QAM	21.82	22.32	21.85	22.70
HIGH			64QAM	21.85	22.21	21.85	22.70	
25		LOW	64QAM	20.92	21.05	20.88	21.70	
		MID	64QAM	21.09	21.00	21.00	21.70	
		HIGH	64QAM	21.11	21.03	20.97	21.70	
50		LOW	64QAM	21.06	21.04	20.78	21.70	

LTE B12-State18 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.72	23.69	23.65	24.70	
		MID	QPSK	23.73	23.75	23.72	24.70	
		HIGH	QPSK	23.71	23.69	23.59	24.70	
	3	LOW	QPSK	23.73	23.75	<b>23.78</b>	24.70	
		MID	QPSK	23.75	23.72	23.62	24.70	
		HIGH	QPSK	23.72	23.73	23.64	24.70	
	6	LOW	QPSK	22.85	22.63	22.67	23.70	
	1.4	1	LOW	Q16	23.19	22.80	22.90	23.70
			MID	Q16	23.24	22.89	22.84	23.70
HIGH			Q16	23.14	22.80	22.84	23.70	
3		LOW	Q16	23.04	22.90	22.83	23.70	
		MID	Q16	23.06	23.04	22.77	23.70	
		HIGH	Q16	22.99	22.98	22.73	23.70	
6		LOW	Q16	21.70	21.89	21.87	22.70	
1.4		1	LOW	64QAM	22.29	21.75	21.91	22.70
			MID	64QAM	22.37	21.76	21.77	22.70
	HIGH		64QAM	22.10	21.66	21.98	22.70	
	3	LOW	64QAM	22.19	21.94	21.74	22.70	
		MID	64QAM	22.01	21.94	21.76	22.70	
		HIGH	64QAM	22.02	22.01	21.72	22.70	
	6	LOW	64QAM	20.83	20.76	20.88	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	<b>23.89</b>	23.79	23.86	24.70
MID			QPSK	23.76	23.78	23.82	24.70	
HIGH			QPSK	23.73	23.70	23.74	24.70	
8		LOW	QPSK	22.87	22.83	22.72	23.70	
		MID	QPSK	22.87	22.89	22.78	23.70	
		HIGH	QPSK	22.82	22.85	22.79	23.70	
15		LOW	QPSK	22.86	22.80	22.75	23.70	
3		1	LOW	Q16	22.85	23.30	22.90	23.70
			MID	Q16	22.82	23.32	22.90	23.70
	HIGH		Q16	22.73	23.22	22.78	23.70	
	8	LOW	Q16	21.99	21.91	21.73	22.70	
		MID	Q16	21.93	21.96	21.86	22.70	
		HIGH	Q16	21.93	21.93	21.81	22.70	
	15	LOW	Q16	21.87	21.90	21.71	22.70	
	3	1	LOW	64QAM	21.76	22.21	21.90	22.70
			MID	64QAM	21.97	22.27	21.97	22.70
HIGH			64QAM	21.73	22.11	21.68	22.70	
8		LOW	64QAM	20.91	20.77	20.88	22.70	
		MID	64QAM	21.07	20.85	20.95	22.70	
		HIGH	64QAM	20.99	20.99	20.96	22.70	
15		LOW	64QAM	20.77	20.76	20.59	21.70	



Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	23.79	<b>23.85</b>	23.72	24.70	
		MID	QPSK	23.79	23.83	23.79	24.70	
		HIGH	QPSK	23.65	23.79	23.73	24.70	
	12	LOW	QPSK	22.88	22.84	22.76	23.70	
		MID	QPSK	22.86	22.81	22.85	23.70	
		HIGH	QPSK	22.80	22.83	22.74	23.70	
	25	LOW	QPSK	22.81	22.76	22.75	23.70	
	5	1	LOW	Q16	23.07	23.38	22.93	23.70
			MID	Q16	22.98	23.41	22.97	23.70
HIGH			Q16	22.96	23.35	22.91	23.70	
12		LOW	Q16	21.98	22.04	21.88	22.70	
		MID	Q16	21.96	21.96	21.90	22.70	
		HIGH	Q16	21.88	22.02	21.87	22.70	
25		LOW	Q16	21.88	21.89	21.70	22.70	
5		1	LOW	64QAM	22.12	22.49	21.79	22.70
			MID	64QAM	22.12	22.33	21.90	22.70
	HIGH		64QAM	21.92	22.42	21.94	22.70	
	12	LOW	64QAM	20.97	21.06	20.73	21.70	
		MID	64QAM	20.91	21.10	20.82	21.70	
		HIGH	64QAM	20.77	21.15	20.81	21.70	
	25	LOW	64QAM	20.95	20.76	20.78	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	23.75	23.72	<b>23.81</b>	24.70
MID			QPSK	23.80	23.75	23.76	24.70	
HIGH			QPSK	23.77	23.75	23.78	24.70	
25		LOW	QPSK	22.91	22.89	22.91	23.70	
		MID	QPSK	22.92	22.87	22.91	23.70	
		HIGH	QPSK	22.89	22.95	22.85	23.70	
50		LOW	QPSK	22.87	22.95	22.92	23.70	
10		1	LOW	Q16	22.82	23.18	22.89	23.70
			MID	Q16	22.80	23.21	22.78	23.70
	HIGH		Q16	22.87	23.23	22.81	23.70	
	25	LOW	Q16	21.98	21.90	21.98	22.70	
		MID	Q16	22.00	21.91	22.03	22.70	
		HIGH	Q16	21.96	21.92	21.96	22.70	
	50	LOW	Q16	21.95	21.91	21.93	22.70	
	10	1	LOW	64QAM	21.69	22.07	21.91	22.70
			MID	64QAM	21.82	22.32	21.85	22.70
HIGH			64QAM	21.85	22.21	21.85	22.70	
25		LOW	64QAM	20.92	21.05	20.88	21.70	
		MID	64QAM	21.09	21.00	21.00	21.70	
		HIGH	64QAM	21.11	21.03	20.97	21.70	
50		LOW	64QAM	21.06	21.04	20.78	21.70	

## 8.3.10 LTE Band12 (Ant.1) Output Power

LTE B12-State17 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.91	23.88	23.66	25.00	
		MID	QPSK	23.67	23.77	23.80	25.00	
		HIGH	QPSK	23.74	23.85	23.91	25.00	
	3	LOW	QPSK	23.84	23.90	23.80	25.00	
		MID	QPSK	23.87	23.89	23.80	25.00	
		HIGH	QPSK	23.85	<b>23.98</b>	23.79	25.00	
	6	LOW	QPSK	23.23	22.99	22.98	24.00	
	1.4	1	LOW	Q16	22.72	23.43	22.96	24.00
			MID	Q16	22.73	23.10	22.93	24.00
HIGH			Q16	22.74	23.08	23.25	24.00	
3		LOW	Q16	22.59	23.31	22.79	24.00	
		MID	Q16	22.52	23.13	22.87	24.00	
		HIGH	Q16	22.73	23.25	23.15	24.00	
6		LOW	Q16	22.06	22.12	21.97	23.00	
1.4		1	LOW	64QAM	21.85	22.36	22.10	23.00
			MID	64QAM	21.74	22.42	21.85	23.00
	HIGH		64QAM	21.69	22.31	21.95	23.00	
	3	LOW	64QAM	21.92	22.41	22.14	23.00	
		MID	64QAM	21.70	22.32	22.02	23.00	
		HIGH	64QAM	21.65	22.19	21.92	23.00	
	6	LOW	64QAM	21.06	21.09	21.04	22.00	
	Bandwidth	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	23.80	23.73	23.85	25.00
MID			QPSK	23.66	23.87	23.84	25.00	
HIGH			QPSK	23.77	23.85	<b>23.95</b>	25.00	
8		LOW	QPSK	23.02	23.03	22.68	24.00	
		MID	QPSK	22.96	23.21	22.88	24.00	
		HIGH	QPSK	23.09	23.05	23.06	24.00	
15		LOW	QPSK	23.24	22.98	23.07	24.00	
3		1	LOW	Q16	22.60	23.44	22.99	24.00
			MID	Q16	22.66	23.17	22.96	24.00
	HIGH		Q16	22.85	23.23	23.13	24.00	
	8	LOW	Q16	21.95	21.99	22.00	23.00	
		MID	Q16	22.02	21.89	22.06	23.00	
		HIGH	Q16	22.05	22.06	22.28	23.00	
	15	LOW	Q16	21.81	22.10	21.98	23.00	
	3	1	LOW	64QAM	21.90	22.44	21.99	23.00
			MID	64QAM	21.80	22.36	21.82	23.00
HIGH			64QAM	21.81	22.28	22.00	23.00	
8		LOW	64QAM	21.17	21.03	21.15	23.00	
		MID	64QAM	21.53	21.12	21.17	23.00	
		HIGH	64QAM	21.57	21.13	21.06	23.00	
15		LOW	64QAM	20.88	21.30	20.96	22.00	

Bandwidth	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	<b>23.97</b>	23.73	23.70	25.00	
		MID	QPSK	23.67	23.76	23.95	25.00	
		HIGH	QPSK	23.92	23.76	23.96	25.00	
	12	LOW	QPSK	22.90	23.00	22.78	24.00	
		MID	QPSK	22.89	23.19	23.08	24.00	
		HIGH	QPSK	23.13	22.92	23.10	24.00	
	25	LOW	QPSK	23.16	23.02	23.06	24.00	
	5	1	LOW	Q16	22.69	23.51	22.96	24.00
			MID	Q16	22.69	23.33	22.88	24.00
HIGH			Q16	22.74	23.17	23.16	24.00	
12		LOW	Q16	22.03	21.89	22.03	23.00	
		MID	Q16	21.98	21.85	22.18	23.00	
		HIGH	Q16	22.25	22.14	22.32	23.00	
25		LOW	Q16	21.83	21.90	22.02	23.00	
5		1	LOW	64QAM	21.95	22.41	22.19	23.00
			MID	64QAM	21.86	22.28	21.91	23.00
	HIGH		64QAM	21.83	22.22	21.91	23.00	
	12	LOW	64QAM	20.92	20.77	21.15	22.00	
		MID	64QAM	20.85	21.15	21.08	22.00	
		HIGH	64QAM	20.89	21.06	21.24	22.00	
	25	LOW	64QAM	20.91	21.18	20.86	22.00	
	Bandwidth	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	23.82	23.78	23.73	25.00
MID			QPSK	23.73	23.85	<b>23.88</b>	25.00	
HIGH			QPSK	23.81	23.86	23.84	25.00	
25		LOW	QPSK	23.05	23.02	22.79	24.00	
		MID	QPSK	23.04	23.07	22.96	24.00	
		HIGH	QPSK	23.06	23.04	23.01	24.00	
50		LOW	QPSK	22.98	23.11	23.04	24.00	
10		1	LOW	Q16	22.69	23.43	22.91	24.00
			MID	Q16	22.61	23.25	22.91	24.00
	HIGH		Q16	22.85	23.22	23.18	24.00	
	25	LOW	Q16	21.92	21.89	21.95	23.00	
		MID	Q16	22.01	21.99	22.21	23.00	
		HIGH	Q16	22.11	22.16	22.18	23.00	
	50	LOW	Q16	21.91	22.00	22.05	23.00	
	10	1	LOW	64QAM	21.81	22.49	22.04	23.00
			MID	64QAM	21.85	22.31	21.95	23.00
HIGH			64QAM	21.80	22.25	21.86	23.00	
25		LOW	64QAM	21.02	20.88	21.09	22.00	
		MID	64QAM	20.81	21.20	21.02	22.00	
		HIGH	64QAM	20.82	21.02	21.12	22.00	
50		LOW	64QAM	21.01	21.15	20.91	22.00	

LTE B12-State18 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.91	23.88	23.66	25.00	
		MID	QPSK	23.67	23.77	23.80	25.00	
		HIGH	QPSK	23.74	23.85	23.91	25.00	
	3	LOW	QPSK	23.84	23.90	23.80	25.00	
		MID	QPSK	23.87	23.89	23.80	25.00	
		HIGH	QPSK	23.85	<b>23.98</b>	23.79	25.00	
	6	LOW	QPSK	23.23	22.99	22.98	24.00	
	1.4	1	LOW	Q16	22.72	23.43	22.96	24.00
			MID	Q16	22.73	23.10	22.93	24.00
HIGH			Q16	22.74	23.08	23.25	24.00	
3		LOW	Q16	22.59	23.31	22.79	24.00	
		MID	Q16	22.52	23.13	22.87	24.00	
		HIGH	Q16	22.73	23.25	23.15	24.00	
6		LOW	Q16	22.06	22.12	21.97	23.00	
1.4		1	LOW	64QAM	21.85	22.36	22.10	23.00
			MID	64QAM	21.74	22.42	21.85	23.00
	HIGH		64QAM	21.69	22.31	21.95	23.00	
	3	LOW	64QAM	21.92	22.41	22.14	23.00	
		MID	64QAM	21.70	22.32	22.02	23.00	
		HIGH	64QAM	21.65	22.19	21.92	23.00	
	6	LOW	64QAM	21.06	21.09	21.04	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	23.80	23.73	23.85	25.00
MID			QPSK	23.66	23.87	23.84	25.00	
HIGH			QPSK	23.77	23.85	<b>23.95</b>	25.00	
8		LOW	QPSK	23.02	23.03	22.68	24.00	
		MID	QPSK	22.96	23.21	22.88	24.00	
		HIGH	QPSK	23.09	23.05	23.06	24.00	
15		LOW	QPSK	23.24	22.98	23.07	24.00	
3		1	LOW	Q16	22.60	23.44	22.99	24.00
			MID	Q16	22.66	23.17	22.96	24.00
	HIGH		Q16	22.85	23.23	23.13	24.00	
	8	LOW	Q16	21.95	21.99	22.00	23.00	
		MID	Q16	22.02	21.89	22.06	23.00	
		HIGH	Q16	22.05	22.06	22.28	23.00	
	15	LOW	Q16	21.81	22.10	21.98	23.00	
	3	1	LOW	64QAM	21.90	22.44	21.99	23.00
			MID	64QAM	21.80	22.36	21.82	23.00
HIGH			64QAM	21.81	22.28	22.00	23.00	
8		LOW	64QAM	21.17	21.03	21.15	23.00	
		MID	64QAM	21.53	21.12	21.17	23.00	
		HIGH	64QAM	21.57	21.13	21.06	23.00	
15		LOW	64QAM	20.88	21.30	20.96	22.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	<b>23.97</b>	23.73	23.70	25.00	
		MID	QPSK	23.67	23.76	23.95	25.00	
		HIGH	QPSK	23.92	23.76	23.96	25.00	
	12	LOW	QPSK	22.90	23.00	22.78	24.00	
		MID	QPSK	22.89	23.19	23.08	24.00	
		HIGH	QPSK	23.13	22.92	23.10	24.00	
	25	LOW	QPSK	23.16	23.02	23.06	24.00	
	5	1	LOW	Q16	22.69	23.51	22.96	24.00
			MID	Q16	22.69	23.33	22.88	24.00
HIGH			Q16	22.74	23.17	23.16	24.00	
12		LOW	Q16	22.03	21.89	22.03	23.00	
		MID	Q16	21.98	21.85	22.18	23.00	
		HIGH	Q16	22.25	22.14	22.32	23.00	
25		LOW	Q16	21.83	21.90	22.02	23.00	
5		1	LOW	64QAM	21.95	22.41	22.19	23.00
			MID	64QAM	21.86	22.28	21.91	23.00
	HIGH		64QAM	21.83	22.22	21.91	23.00	
	12	LOW	64QAM	20.92	20.77	21.15	22.00	
		MID	64QAM	20.85	21.15	21.08	22.00	
		HIGH	64QAM	20.89	21.06	21.24	22.00	
	25	LOW	64QAM	20.91	21.18	20.86	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	23.82	23.78	23.73	25.00
MID			QPSK	23.73	23.85	<b>23.88</b>	25.00	
HIGH			QPSK	23.81	23.86	23.84	25.00	
25		LOW	QPSK	23.05	23.02	22.79	24.00	
		MID	QPSK	23.04	23.07	22.96	24.00	
		HIGH	QPSK	23.06	23.04	23.01	24.00	
50		LOW	QPSK	22.98	23.11	23.04	24.00	
10		1	LOW	Q16	22.69	23.43	22.91	24.00
			MID	Q16	22.61	23.25	22.91	24.00
	HIGH		Q16	22.85	23.22	23.18	24.00	
	25	LOW	Q16	21.92	21.89	21.95	23.00	
		MID	Q16	22.01	21.99	22.21	23.00	
		HIGH	Q16	22.11	22.16	22.18	23.00	
	50	LOW	Q16	21.91	22.00	22.05	23.00	
	10	1	LOW	64QAM	21.81	22.49	22.04	23.00
			MID	64QAM	21.85	22.31	21.95	23.00
HIGH			64QAM	21.80	22.25	21.86	23.00	
25		LOW	64QAM	21.02	20.88	21.09	22.00	
		MID	64QAM	20.81	21.20	21.02	22.00	
		HIGH	64QAM	20.82	21.02	21.12	22.00	
50		LOW	64QAM	21.01	21.15	20.91	22.00	

## 8.3.11 LTE Band13 (Ant.0) Output Power

LTE B13-State17 -Ant.0						
Bandwidth (MHz)	RB Size	RB offset	Modulation	23230	Tune-up power(dBm)	
5	1	LOW	QPSK	23.13	24.20	
		MID	QPSK	<b>23.22</b>	24.20	
		HIGH	QPSK	23.09	24.20	
	12	LOW	QPSK	22.22	23.20	
		MID	QPSK	22.25	23.20	
		HIGH	QPSK	22.24	23.20	
	25	LOW	QPSK	22.18	23.20	
	5	1	LOW	Q16	22.39	23.20
			MID	Q16	22.41	23.20
HIGH			Q16	22.38	23.20	
12		LOW	Q16	21.36	22.20	
		MID	Q16	21.39	22.20	
		HIGH	Q16	21.34	22.20	
25		LOW	Q16	21.22	22.20	
5		1	LOW	64QAM	21.34	22.20
			MID	64QAM	21.53	22.20
	HIGH		64QAM	21.26	22.20	
	12	LOW	64QAM	20.32	21.20	
		MID	64QAM	20.45	21.20	
		HIGH	64QAM	20.38	21.20	
	25	LOW	64QAM	20.16	21.20	
	10	1	LOW	QPSK	23.11	24.20
			MID	QPSK	23.12	24.20
HIGH			QPSK	<b>23.15</b>	24.20	
LOW			QPSK	22.24	23.20	
MID			QPSK	22.24	23.20	
HIGH			QPSK	22.24	23.20	
25		LOW	QPSK	22.26	23.20	
		LOW	Q16	22.13	23.20	
		MID	Q16	22.16	23.20	
		HIGH	Q16	22.15	23.20	
		LOW	Q16	21.30	22.20	
		MID	Q16	21.28	22.20	
50		HIGH	Q16	21.33	22.20	
		LOW	Q16	21.23	22.20	
		1	LOW	64QAM	21.04	22.20
			MID	64QAM	21.02	22.20
			HIGH	64QAM	21.12	22.20
		25	LOW	64QAM	20.42	21.20
MID	64QAM		20.24	21.20		
HIGH	64QAM		20.29	21.20		
50	LOW	64QAM	20.17	21.20		

LTE B13-State18 -Ant.0						
Bandwidth (MHz)	RB Size	RB offset	Modulation	23230	Tune-up power(dBm)	
5	1	LOW	QPSK	23.13	24.20	
		MID	QPSK	<b>23.22</b>	24.20	
		HIGH	QPSK	23.09	24.20	
	12	LOW	QPSK	22.22	23.20	
		MID	QPSK	22.25	23.20	
		HIGH	QPSK	22.24	23.20	
	25	LOW	QPSK	22.18	23.20	
	5	1	LOW	Q16	22.39	23.20
			MID	Q16	22.41	23.20
HIGH			Q16	22.38	23.20	
12		LOW	Q16	21.36	22.20	
		MID	Q16	21.39	22.20	
		HIGH	Q16	21.34	22.20	
25		LOW	Q16	21.22	22.20	
5		1	LOW	64QAM	21.34	22.20
			MID	64QAM	21.53	22.20
	HIGH		64QAM	21.26	22.20	
	12	LOW	64QAM	20.32	21.20	
		MID	64QAM	20.45	21.20	
		HIGH	64QAM	20.38	21.20	
	25	LOW	64QAM	20.16	21.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23230	Tune-up power(dBm)
	10	1	LOW	QPSK	23.11	24.20
MID			QPSK	23.12	24.20	
HIGH			QPSK	<b>23.15</b>	24.20	
25		LOW	QPSK	22.24	23.20	
		MID	QPSK	22.24	23.20	
		HIGH	QPSK	22.24	23.20	
50		LOW	QPSK	22.26	23.20	
10		1	LOW	Q16	22.13	23.20
			MID	Q16	22.16	23.20
	HIGH		Q16	22.15	23.20	
	25	LOW	Q16	21.30	22.20	
		MID	Q16	21.28	22.20	
		HIGH	Q16	21.33	22.20	
	50	LOW	Q16	21.23	22.20	
	10	1	LOW	64QAM	21.04	22.20
			MID	64QAM	21.02	22.20
HIGH			64QAM	21.12	22.20	
25		LOW	64QAM	20.42	21.20	
		MID	64QAM	20.24	21.20	
		HIGH	64QAM	20.29	21.20	
50		LOW	64QAM	20.17	21.20	

## 8.3.12 LTE Band13 (Ant.1) Output Power

LTE B13-State17 -Ant.1						
Bandwidth (MHz)	RB Size	RB offset	Modulation	23230	Tune-up power(dBm)	
5	1	LOW	QPSK	22.87	24.50	
		MID	QPSK	<b>22.90</b>	24.50	
		HIGH	QPSK	22.54	24.50	
	12	LOW	QPSK	21.56	23.50	
		MID	QPSK	21.65	23.50	
		HIGH	QPSK	21.55	23.50	
	25	LOW	QPSK	21.94	23.50	
	5	1	LOW	Q16	21.61	23.50
			MID	Q16	21.83	23.50
HIGH			Q16	21.55	23.50	
12		LOW	Q16	20.60	22.50	
		MID	Q16	20.90	22.50	
		HIGH	Q16	20.51	22.50	
25		LOW	Q16	20.87	22.50	
5		1	LOW	64QAM	20.74	22.50
			MID	64QAM	20.80	22.50
	HIGH		64QAM	20.67	22.50	
	12	LOW	64QAM	19.57	21.50	
		MID	64QAM	20.04	21.50	
		HIGH	64QAM	19.65	21.50	
	25	LOW	64QAM	19.51	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23230	Tune-up power(dBm)
	10	1	LOW	QPSK	23.12	24.50
MID			QPSK	<b>23.14</b>	24.50	
HIGH			QPSK	23.08	24.50	
25		LOW	QPSK	21.69	23.50	
		MID	QPSK	21.75	23.50	
		HIGH	QPSK	21.74	23.50	
50		LOW	QPSK	21.75	23.50	
10		1	LOW	Q16	21.65	23.50
			MID	Q16	21.66	23.50
	HIGH		Q16	21.64	23.50	
	25	LOW	Q16	20.83	22.50	
		MID	Q16	20.79	22.50	
		HIGH	Q16	20.86	22.50	
	50	LOW	Q16	20.75	22.50	
	10	1	LOW	64QAM	20.65	22.50
			MID	64QAM	20.68	22.50
HIGH			64QAM	20.76	22.50	
25		LOW	64QAM	19.95	21.50	
		MID	64QAM	19.88	21.50	
		HIGH	64QAM	19.88	21.50	
50		LOW	64QAM	19.81	21.50	



LTE B13-State18 -Ant.1						
Bandwidth (MHz)	RB Size	RB offset	Modulation	23230	Tune-up power(dBm)	
5	1	LOW	QPSK	22.87	24.50	
		MID	QPSK	<b>22.90</b>	24.50	
		HIGH	QPSK	22.54	24.50	
	12	LOW	QPSK	21.56	23.50	
		MID	QPSK	21.65	23.50	
		HIGH	QPSK	21.55	23.50	
	25	LOW	QPSK	21.94	23.50	
	5	1	LOW	Q16	21.61	23.50
			MID	Q16	21.83	23.50
HIGH			Q16	21.55	23.50	
12		LOW	Q16	20.60	22.50	
		MID	Q16	20.90	22.50	
		HIGH	Q16	20.51	22.50	
25		LOW	Q16	20.87	22.50	
5		1	LOW	64QAM	20.74	22.50
			MID	64QAM	20.80	22.50
	HIGH		64QAM	20.67	22.50	
	12	LOW	64QAM	19.57	21.50	
		MID	64QAM	20.04	21.50	
		HIGH	64QAM	19.65	21.50	
	25	LOW	64QAM	19.51	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23230	Tune-up power(dBm)
	10	1	LOW	QPSK	23.12	24.50
MID			QPSK	<b>23.14</b>	24.50	
HIGH			QPSK	23.08	24.50	
25		LOW	QPSK	21.69	23.50	
		MID	QPSK	21.75	23.50	
		HIGH	QPSK	21.74	23.50	
50		LOW	QPSK	21.75	23.50	
10		1	LOW	Q16	21.65	23.50
			MID	Q16	21.66	23.50
	HIGH		Q16	21.64	23.50	
	25	LOW	Q16	20.83	22.50	
		MID	Q16	20.79	22.50	
		HIGH	Q16	20.86	22.50	
	50	LOW	Q16	20.75	22.50	
	10	1	LOW	64QAM	20.65	22.50
			MID	64QAM	20.68	22.50
HIGH			64QAM	20.76	22.50	
25		LOW	64QAM	19.95	21.50	
		MID	64QAM	19.88	21.50	
		HIGH	64QAM	19.88	21.50	
50		LOW	64QAM	19.81	21.50	

## 8.3.13 LTE Band17 (Ant.0) Output Power

LTE B17-State17 -Ant.0								
Bandwidth	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	23.79	23.80	23.77	24.70	
		MID	QPSK	<b>23.90</b>	23.86	23.84	24.70	
		HIGH	QPSK	23.83	23.85	23.78	24.70	
	12	LOW	QPSK	22.86	22.80	22.73	23.70	
		MID	QPSK	22.94	22.78	22.86	23.70	
		HIGH	QPSK	22.93	22.85	22.84	23.70	
	25	LOW	QPSK	22.89	22.74	22.90	23.70	
	5	1	LOW	Q16	23.09	23.37	22.95	23.70
			MID	Q16	23.14	23.41	23.04	23.70
HIGH			Q16	23.11	23.40	22.98	23.70	
12		LOW	Q16	21.92	22.00	21.90	22.70	
		MID	Q16	22.05	22.00	21.97	22.70	
		HIGH	Q16	21.99	22.03	21.92	22.70	
25		LOW	Q16	21.98	21.87	21.86	22.70	
5		1	LOW	64QAM	22.19	22.29	21.96	22.70
			MID	64QAM	22.21	22.55	22.11	22.70
	HIGH		64QAM	22.03	22.53	22.10	22.70	
	12	LOW	64QAM	20.88	21.11	20.99	21.70	
		MID	64QAM	21.00	20.90	21.07	21.70	
		HIGH	64QAM	21.14	21.07	21.06	21.70	
	25	LOW	64QAM	21.11	20.79	20.73	21.70	
	Bandwidth	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
	10	1	LOW	QPSK	23.79	23.74	<b>23.85</b>	24.70
MID			QPSK	23.79	23.76	23.79	24.70	
HIGH			QPSK	23.78	23.73	23.83	24.70	
25		LOW	QPSK	22.80	22.80	22.78	23.70	
		MID	QPSK	22.93	22.83	22.95	23.70	
		HIGH	QPSK	22.94	22.92	22.94	23.70	
50		LOW	QPSK	22.86	22.84	22.91	23.70	
10		1	LOW	Q16	22.84	23.27	22.93	23.70
			MID	Q16	22.77	23.27	22.77	23.70
	HIGH		Q16	22.80	23.23	22.79	23.70	
	25	LOW	Q16	21.87	21.92	21.90	22.70	
		MID	Q16	21.98	21.89	22.03	22.70	
		HIGH	Q16	21.94	21.95	22.00	22.70	
	50	LOW	Q16	21.86	21.89	21.92	22.70	
	10	1	LOW	64QAM	21.77	22.16	21.78	22.70
			MID	64QAM	21.69	22.40	21.75	22.70
HIGH			64QAM	21.72	22.12	21.74	22.70	
25		LOW	64QAM	20.91	20.88	20.94	21.70	
		MID	64QAM	20.88	20.85	20.91	21.70	
		HIGH	64QAM	20.99	20.84	20.94	21.70	
50		LOW	64QAM	21.00	20.95	21.00	21.70	

LTE B17-State18 -Ant.0								
Bandwidth	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	23.79	23.80	23.77	24.70	
		MID	QPSK	<b>23.90</b>	23.86	23.84	24.70	
		HIGH	QPSK	23.83	23.85	23.78	24.70	
	12	LOW	QPSK	22.86	22.80	22.73	23.70	
		MID	QPSK	22.94	22.78	22.86	23.70	
		HIGH	QPSK	22.93	22.85	22.84	23.70	
	25	LOW	QPSK	22.89	22.74	22.90	23.70	
	5	1	LOW	Q16	23.09	23.37	22.95	23.70
			MID	Q16	23.14	23.41	23.04	23.70
HIGH			Q16	23.11	23.40	22.98	23.70	
12		LOW	Q16	21.92	22.00	21.90	22.70	
		MID	Q16	22.05	22.00	21.97	22.70	
		HIGH	Q16	21.99	22.03	21.92	22.70	
25		LOW	Q16	21.98	21.87	21.86	22.70	
5		1	LOW	64QAM	22.19	22.29	21.96	22.70
			MID	64QAM	22.21	22.55	22.11	22.70
	HIGH		64QAM	22.03	22.53	22.10	22.70	
	12	LOW	64QAM	20.88	21.11	20.99	21.70	
		MID	64QAM	21.00	20.90	21.07	21.70	
		HIGH	64QAM	21.14	21.07	21.06	21.70	
	25	LOW	64QAM	21.11	20.79	20.73	21.70	
	Bandwidth	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
	10	1	LOW	QPSK	23.79	23.74	<b>23.85</b>	24.70
MID			QPSK	23.79	23.76	23.79	24.70	
HIGH			QPSK	23.78	23.73	23.83	24.70	
25		LOW	QPSK	22.80	22.80	22.78	23.70	
		MID	QPSK	22.93	22.83	22.95	23.70	
		HIGH	QPSK	22.94	22.92	22.94	23.70	
50		LOW	QPSK	22.86	22.84	22.91	23.70	
10		1	LOW	Q16	22.84	23.27	22.93	23.70
			MID	Q16	22.77	23.27	22.77	23.70
	HIGH		Q16	22.80	23.23	22.79	23.70	
	25	LOW	Q16	21.87	21.92	21.90	22.70	
		MID	Q16	21.98	21.89	22.03	22.70	
		HIGH	Q16	21.94	21.95	22.00	22.70	
	50	LOW	Q16	21.86	21.89	21.92	22.70	
	10	1	LOW	64QAM	21.77	22.16	21.78	22.70
			MID	64QAM	21.69	22.40	21.75	22.70
HIGH			64QAM	21.72	22.12	21.74	22.70	
25		LOW	64QAM	20.91	20.88	20.94	21.70	
		MID	64QAM	20.88	20.85	20.91	21.70	
		HIGH	64QAM	20.99	20.84	20.94	21.70	
50		LOW	64QAM	21.00	20.95	21.00	21.70	

## 8.3.14 LTE Band17 (Ant.1) Output Power

LTE B17-State17 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	<b>24.05</b>	<b>24.05</b>	23.93	25.00	
		MID	QPSK	24.04	24.00	23.97	25.00	
		HIGH	QPSK	23.79	23.84	23.79	25.00	
	12	LOW	QPSK	22.04	22.16	22.13	24.00	
		MID	QPSK	22.15	22.16	22.02	24.00	
		HIGH	QPSK	22.22	22.22	22.25	24.00	
	25	LOW	QPSK	22.08	22.09	22.15	24.00	
	5	1	LOW	Q16	22.13	22.39	22.03	24.00
			MID	Q16	22.20	22.46	22.08	24.00
HIGH			Q16	22.17	22.46	22.10	24.00	
12		LOW	Q16	21.01	21.09	21.11	23.00	
		MID	Q16	21.11	21.10	21.09	23.00	
		HIGH	Q16	21.10	21.17	21.07	23.00	
25		LOW	Q16	21.03	21.08	21.13	23.00	
5		1	LOW	64QAM	21.15	21.49	21.38	23.00
			MID	64QAM	21.20	21.44	21.04	23.00
	HIGH		64QAM	21.15	21.47	21.24	23.00	
	12	LOW	64QAM	20.12	20.15	20.03	22.00	
		MID	64QAM	20.10	20.25	20.34	22.00	
		HIGH	64QAM	20.21	20.28	20.13	22.00	
	25	LOW	64QAM	20.03	20.09	20.12	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
	10	1	LOW	QPSK	23.93	24.00	23.96	25.00
MID			QPSK	24.01	24.03	<b>24.04</b>	25.00	
HIGH			QPSK	23.87	23.99	23.84	25.00	
25		LOW	QPSK	22.08	22.02	22.02	24.00	
		MID	QPSK	22.07	22.05	22.08	24.00	
		HIGH	QPSK	22.09	22.10	22.11	24.00	
50	LOW	QPSK	22.00	22.00	22.08	24.00		
10	1	LOW	Q16	21.94	22.29	21.97	23.00	
		MID	Q16	21.92	22.40	21.91	23.00	
		HIGH	Q16	22.03	22.39	21.98	23.00	
	25	LOW	Q16	21.03	21.05	21.01	23.00	
		MID	Q16	21.18	21.08	21.15	23.00	
		HIGH	Q16	21.15	21.11	21.11	23.00	
50	LOW	Q16	21.07	21.04	21.05	23.00		
10	1	LOW	64QAM	21.00	21.41	21.11	23.00	
		MID	64QAM	21.13	21.43	21.34	23.00	
		HIGH	64QAM	21.13	21.26	21.01	23.00	
	25	LOW	64QAM	20.18	20.01	20.06	22.00	
		MID	64QAM	20.22	20.06	20.22	22.00	
		HIGH	64QAM	20.16	20.05	20.21	22.00	
50	LOW	64QAM	20.04	20.18	20.02	22.00		

LTE B17-State18 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	<b>24.05</b>	<b>24.05</b>	23.93	25.00	
		MID	QPSK	24.04	24.00	23.97	25.00	
		HIGH	QPSK	23.79	23.84	23.79	25.00	
	12	LOW	QPSK	22.04	22.16	22.13	24.00	
		MID	QPSK	22.15	22.16	22.02	24.00	
		HIGH	QPSK	22.22	22.22	22.25	24.00	
	25	LOW	QPSK	22.08	22.09	22.15	24.00	
	5	1	LOW	Q16	22.13	22.39	22.03	24.00
			MID	Q16	22.20	22.46	22.08	24.00
HIGH			Q16	22.17	22.46	22.10	24.00	
12		LOW	Q16	21.01	21.09	21.11	23.00	
		MID	Q16	21.11	21.10	21.09	23.00	
		HIGH	Q16	21.10	21.17	21.07	23.00	
25		LOW	Q16	21.03	21.08	21.13	23.00	
5		1	LOW	64QAM	21.15	21.49	21.38	23.00
			MID	64QAM	21.20	21.44	21.04	23.00
	HIGH		64QAM	21.15	21.47	21.24	23.00	
	12	LOW	64QAM	20.12	20.15	20.03	22.00	
		MID	64QAM	20.10	20.25	20.34	22.00	
		HIGH	64QAM	20.21	20.28	20.13	22.00	
	25	LOW	64QAM	20.03	20.09	20.12	22.00	
	Bandwidth	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
	10	1	LOW	QPSK	23.93	24.00	23.96	25.00
MID			QPSK	24.01	24.03	<b>24.04</b>	25.00	
HIGH			QPSK	23.87	23.99	23.84	25.00	
25		LOW	QPSK	22.08	22.02	22.02	24.00	
		MID	QPSK	22.07	22.05	22.08	24.00	
		HIGH	QPSK	22.09	22.10	22.11	24.00	
50	LOW	QPSK	22.00	22.00	22.08	24.00		
10	1	LOW	Q16	21.94	22.29	21.97	23.00	
		MID	Q16	21.92	22.40	21.91	23.00	
		HIGH	Q16	22.03	22.39	21.98	23.00	
	25	LOW	Q16	21.03	21.05	21.01	23.00	
		MID	Q16	21.18	21.08	21.15	23.00	
		HIGH	Q16	21.15	21.11	21.11	23.00	
50	LOW	Q16	21.07	21.04	21.05	23.00		
10	1	LOW	64QAM	21.00	21.41	21.11	23.00	
		MID	64QAM	21.13	21.43	21.34	23.00	
		HIGH	64QAM	21.13	21.26	21.01	23.00	
	25	LOW	64QAM	20.18	20.01	20.06	22.00	
		MID	64QAM	20.22	20.06	20.22	22.00	
		HIGH	64QAM	20.16	20.05	20.21	22.00	
	50	LOW	64QAM	20.04	20.18	20.02	22.00	

## 8.3.15 LTE Band25 (Ant.3) Output Power

LTE B25-State17 -Ant.3								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.61	19.39	19.35	20.70	
		MID	QPSK	19.59	19.60	19.33	20.70	
		HIGH	QPSK	19.78	19.48	19.52	20.70	
	3	LOW	QPSK	19.63	19.42	19.42	20.70	
		MID	QPSK	19.71	19.51	19.55	20.70	
		HIGH	QPSK	19.64	19.44	19.57	20.70	
	6	LOW	QPSK	19.68	19.52	19.51	20.70	
	1.4	1	LOW	Q16	20.02	20.25	19.78	20.70
			MID	Q16	20.23	<b>20.30</b>	20.00	20.70
HIGH			Q16	20.00	20.05	19.97	20.70	
3		LOW	Q16	19.51	19.56	19.69	20.70	
		MID	Q16	19.76	19.43	19.88	20.70	
		HIGH	Q16	19.77	19.46	19.48	20.70	
6		LOW	Q16	19.75	19.62	19.64	20.70	
1.4		1	LOW	64QAM	18.91	19.24	18.84	20.70
			MID	64QAM	19.23	19.28	19.09	20.70
	HIGH		64QAM	19.15	18.96	19.01	20.70	
	3	LOW	64QAM	18.67	18.55	18.66	20.50	
		MID	64QAM	18.85	18.75	18.68	20.50	
		HIGH	64QAM	18.62	18.57	18.61	20.50	
	6	LOW	64QAM	18.87	18.67	18.54	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	19.61	19.46	19.37	20.70
MID			QPSK	19.60	19.52	19.51	20.70	
HIGH			QPSK	19.69	19.42	19.52	20.70	
8		LOW	QPSK	19.69	19.36	19.40	20.70	
		MID	QPSK	19.76	19.60	19.60	20.70	
		HIGH	QPSK	19.76	19.59	19.51	20.70	
15		LOW	QPSK	19.80	19.55	19.55	20.70	
3		1	LOW	Q16	20.10	20.14	19.90	20.70
			MID	Q16	<b>20.43</b>	20.15	20.11	20.70
	HIGH		Q16	20.02	20.13	20.13	20.70	
	8	LOW	Q16	19.47	19.40	19.48	20.70	
		MID	Q16	19.97	19.65	19.86	20.70	
		HIGH	Q16	19.66	19.60	19.49	20.70	
	15	LOW	Q16	19.97	19.62	19.66	20.70	
	3	1	LOW	64QAM	19.05	19.10	18.72	20.70
			MID	64QAM	19.20	19.12	19.14	20.70
HIGH			64QAM	19.15	18.98	18.88	20.70	
8		LOW	64QAM	18.66	18.58	18.52	20.50	
		MID	64QAM	18.87	18.71	18.73	20.50	
		HIGH	64QAM	18.69	18.63	18.59	20.50	
15		LOW	64QAM	18.95	18.84	18.70	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	19.55	19.56	19.35	20.70
	MID		QPSK	19.66	19.59	19.33	20.70	
	HIGH		QPSK	19.75	19.37	19.61	20.70	
	12	LOW	QPSK	19.68	19.57	19.40	20.70	
		MID	QPSK	19.79	19.52	19.62	20.70	
		HIGH	QPSK	19.71	19.69	19.63	20.70	
	25	LOW	QPSK	19.61	19.66	19.63	20.70	
	5	1	LOW	Q16	20.13	20.16	19.99	20.70
			MID	Q16	20.23	<b>20.27</b>	20.04	20.70
HIGH			Q16	20.11	19.86	19.86	20.70	
12		LOW	Q16	19.64	19.63	19.60	20.70	
		MID	Q16	19.90	19.65	19.64	20.70	
		HIGH	Q16	19.57	19.49	19.58	20.70	
25		LOW	Q16	19.78	19.56	19.60	20.70	
5		1	LOW	64QAM	18.97	19.15	18.72	20.70
			MID	64QAM	19.34	19.11	19.01	20.70
	HIGH		64QAM	18.97	19.07	19.14	20.70	
	12	LOW	64QAM	18.56	18.59	18.51	20.50	
		MID	64QAM	18.72	18.65	18.87	20.50	
		HIGH	64QAM	18.63	18.71	18.52	20.50	
	25	LOW	64QAM	18.90	18.56	18.77	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	19.45	19.67	19.43	20.70	
		MID	QPSK	19.62	19.63	19.52	20.70	
		HIGH	QPSK	19.64	19.71	19.61	20.70	
	25	LOW	QPSK	19.65	19.72	19.70	20.70	
		MID	QPSK	19.77	19.54	19.67	20.70	
		HIGH	QPSK	19.59	19.54	19.66	20.70	
	50	LOW	QPSK	19.61	19.60	19.66	20.70	
	10	1	LOW	Q16	<b>20.31</b>	20.23	20.13	20.70
			MID	Q16	20.15	19.94	19.86	20.70
HIGH			Q16	20.26	20.01	20.07	20.70	
25		LOW	Q16	19.63	19.60	19.64	20.70	
		MID	Q16	19.83	19.51	19.63	20.70	
		HIGH	Q16	19.76	19.51	19.53	20.70	
50		LOW	Q16	19.74	19.44	19.61	20.70	
10		1	LOW	64QAM	19.24	19.31	18.98	20.70
			MID	64QAM	19.10	19.06	18.97	20.70
	HIGH		64QAM	19.21	18.85	19.00	20.70	
	25	LOW	64QAM	18.72	18.58	18.63	20.50	
		MID	64QAM	18.81	18.61	18.57	20.50	
		HIGH	64QAM	18.64	18.71	18.75	20.50	
	50	LOW	64QAM	18.71	18.61	18.71	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	19.49	19.45	19.41	20.70
MID			QPSK	19.65	19.49	19.45	20.70	
HIGH			QPSK	19.66	19.51	19.46	20.70	
36		LOW	QPSK	19.74	19.47	19.47	20.70	
		MID	QPSK	19.69	19.63	19.68	20.70	
		HIGH	QPSK	19.64	19.57	19.49	20.70	
75		LOW	QPSK	19.67	19.63	19.63	20.70	
15		1	LOW	Q16	20.03	20.13	19.85	20.70
			MID	Q16	<b>20.33</b>	20.16	20.00	20.70
	HIGH		Q16	20.08	20.00	20.01	20.70	
	36	LOW	Q16	19.53	19.48	19.54	20.70	
		MID	Q16	19.87	19.56	19.75	20.70	
		HIGH	Q16	19.71	19.51	19.49	20.70	
	75	LOW	Q16	19.87	19.57	19.62	20.70	
	15	1	LOW	64QAM	19.33	19.08	19.00	20.70
			MID	64QAM	19.12	19.06	18.96	20.70
HIGH			64QAM	19.22	18.88	18.91	20.70	
36		LOW	64QAM	18.53	18.64	18.75	20.50	
		MID	64QAM	18.76	18.58	18.78	20.50	
		HIGH	64QAM	18.68	18.53	18.58	20.50	
75		LOW	64QAM	18.71	18.57	18.68	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26140	26365	26590	Tune-up power(dBm)
20		1	LOW	QPSK	19.56	19.53	19.51	20.70
	MID		QPSK	19.52	19.54	19.44	20.70	
	HIGH		QPSK	19.57	19.60	19.46	20.70	
	50	LOW	QPSK	19.60	19.57	19.56	20.70	
		MID	QPSK	19.61	19.62	19.64	20.70	
		HIGH	QPSK	19.65	19.66	19.60	20.70	
	100	LOW	QPSK	19.66	19.67	19.53	20.70	
	20	1	LOW	Q16	20.18	20.17	19.98	20.70
			MID	Q16	20.18	20.05	19.89	20.70
HIGH			Q16	<b>20.22</b>	19.99	19.95	20.70	
50		LOW	Q16	19.63	19.62	19.61	20.70	
		MID	Q16	19.75	19.61	19.63	20.70	
		HIGH	Q16	19.67	19.66	19.61	20.70	
100		LOW	Q16	19.73	19.57	19.57	20.70	
20		1	LOW	64QAM	19.11	19.27	18.90	20.70
			MID	64QAM	19.28	19.08	18.81	20.70
	HIGH		64QAM	19.33	18.90	19.08	20.70	
	50	LOW	64QAM	18.69	18.68	18.63	20.50	
		MID	64QAM	18.67	18.60	18.58	20.50	
		HIGH	64QAM	18.63	18.79	18.57	20.50	
	100	LOW	64QAM	18.76	18.67	18.61	20.50	

LTE B25-State18 -Ant.3								
Bandwidth	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dB m)	
1.4	1	LOW	QPSK	16.91	16.94	16.82	17.90	
		MID	QPSK	16.93	16.91	16.91	17.90	
		HIGH	QPSK	16.84	16.79	16.90	17.90	
	3	LOW	QPSK	16.81	16.93	16.92	17.90	
		MID	QPSK	16.92	16.97	16.82	17.90	
		HIGH	QPSK	17.14	16.97	16.83	17.90	
	6	LOW	QPSK	17.03	16.96	16.76	17.90	
	1.4	1	LOW	Q16	17.53	17.16	17.13	17.90
			MID	Q16	17.40	17.43	17.29	17.90
HIGH			Q16	17.48	17.37	17.11	17.90	
3		LOW	Q16	16.88	16.87	16.84	17.90	
		MID	Q16	17.15	16.98	17.04	17.90	
		HIGH	Q16	16.85	16.87	16.91	17.90	
6		LOW	Q16	16.97	16.76	16.80	17.90	
1.4		1	LOW	64QAM	16.48	16.34	16.19	17.90
			MID	64QAM	16.51	16.38	16.32	17.90
	HIGH		64QAM	16.33	16.42	16.30	17.90	
	3	LOW	64QAM	15.95	16.04	16.11	17.90	
		MID	64QAM	16.12	16.07	16.02	17.90	
		HIGH	64QAM	15.90	16.09	15.92	17.90	
	6	LOW	64QAM	15.91	15.93	15.93	17.90	
	Bandwidth	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dB m)
	3	1	LOW	QPSK	16.93	16.71	16.66	17.90
MID			QPSK	16.79	16.98	16.71	17.90	
HIGH			QPSK	16.86	16.85	16.94	17.90	
8		LOW	QPSK	16.83	16.98	16.69	17.90	
		MID	QPSK	16.91	16.76	16.91	17.90	
		HIGH	QPSK	16.87	16.80	17.00	17.90	
15		LOW	QPSK	16.87	16.90	16.92	17.90	
3		1	LOW	Q16	17.48	17.43	17.26	17.90
			MID	Q16	17.49	17.15	17.33	17.90
	HIGH		Q16	17.30	17.25	17.22	17.90	
	8	LOW	Q16	16.92	16.98	16.88	17.90	
		MID	Q16	16.93	16.94	16.95	17.90	
		HIGH	Q16	16.89	16.97	16.92	17.90	
	15	LOW	Q16	16.93	16.90	16.94	17.90	
	3	1	LOW	64QAM	16.29	16.18	16.18	17.90
			MID	64QAM	16.55	16.33	16.23	17.90
HIGH			64QAM	16.27	16.15	16.31	17.90	
8		LOW	64QAM	15.90	16.01	16.11	17.90	
		MID	64QAM	16.00	15.98	15.99	17.90	
		HIGH	64QAM	15.99	15.96	15.91	17.90	
15		LOW	64QAM	16.11	16.05	16.07	17.90	
Bandwidth		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dB m)
5		1	LOW	QPSK	16.73	17.00	16.66	17.90
	MID		QPSK	16.84	16.91	16.82	17.90	
	HIGH		QPSK	16.80	16.78	16.73	17.90	
	12	LOW	QPSK	16.90	16.86	16.83	17.90	
		MID	QPSK	16.91	16.85	16.92	17.90	
		HIGH	QPSK	16.92	16.78	16.88	17.90	
	25	LOW	QPSK	17.03	16.73	16.88	17.90	
	5	1	LOW	Q16	17.31	17.21	17.13	17.90
			MID	Q16	17.46	17.16	17.33	17.90
HIGH			Q16	17.33	17.35	17.37	17.90	
12		LOW	Q16	16.82	16.89	16.86	17.90	
		MID	Q16	17.11	16.74	17.05	17.90	
		HIGH	Q16	16.97	17.02	16.92	17.90	
25		LOW	Q16	17.08	16.74	16.84	17.90	
5		1	LOW	64QAM	16.37	16.46	16.27	17.90
			MID	64QAM	16.52	16.14	16.20	17.90
	HIGH		64QAM	16.39	16.18	16.39	17.90	
	12	LOW	64QAM	15.99	16.05	15.90	17.90	
		MID	64QAM	15.94	16.11	16.07	17.90	
		HIGH	64QAM	16.05	15.95	16.01	17.90	
	25	LOW	64QAM	16.02	16.07	15.97	17.90	



Bandwidth	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dB m)	
10	1	LOW	QPSK	16.82	16.88	16.84	17.90	
		MID	QPSK	16.75	16.94	16.67	17.90	
		HIGH	QPSK	16.71	16.86	16.86	17.90	
	25	LOW	QPSK	16.87	16.99	16.96	17.90	
		MID	QPSK	17.08	16.85	16.93	17.90	
		HIGH	QPSK	17.00	16.74	16.93	17.90	
	50	LOW	QPSK	17.01	16.97	16.76	17.90	
	10	1	LOW	Q16	<b>17.46</b>	17.43	17.31	17.90
			MID	Q16	17.44	17.36	17.21	17.90
HIGH			Q16	17.40	17.36	17.19	17.90	
25		LOW	Q16	16.83	16.81	16.77	17.90	
		MID	Q16	17.06	16.98	16.85	17.90	
		HIGH	Q16	17.02	16.94	17.03	17.90	
50		LOW	Q16	17.02	16.75	16.97	17.90	
10		1	LOW	64QAM	16.28	16.21	16.31	17.90
			MID	64QAM	16.27	16.40	16.12	17.90
	HIGH		64QAM	16.27	16.42	16.34	17.90	
	25	LOW	64QAM	16.27	16.26	16.20	17.90	
		MID	64QAM	16.44	16.13	16.17	17.90	
		HIGH	64QAM	16.39	16.13	16.17	17.90	
	50	LOW	64QAM	15.91	15.95	15.99	17.90	
	Bandwidth	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dB m)
	15	1	LOW	QPSK	17.00	16.87	16.66	17.90
MID			QPSK	16.94	16.88	16.79	17.90	
HIGH			QPSK	16.76	16.87	16.65	17.90	
36		LOW	QPSK	17.01	16.75	16.73	17.90	
		MID	QPSK	16.97	16.72	16.86	17.90	
		HIGH	QPSK	16.98	16.81	16.88	17.90	
75		LOW	QPSK	16.94	16.83	16.95	17.90	
15		1	LOW	Q16	17.26	17.31	17.23	17.90
			MID	Q16	17.28	17.14	17.19	17.90
	HIGH		Q16	<b>17.48</b>	17.30	17.31	17.90	
	36	LOW	Q16	16.85	16.79	16.95	17.90	
		MID	Q16	17.10	16.89	17.03	17.90	
		HIGH	Q16	17.08	16.79	16.98	17.90	
	75	LOW	Q16	16.88	16.83	16.97	17.90	
	15	1	LOW	64QAM	16.55	16.33	16.26	17.90
			MID	64QAM	16.45	16.26	16.22	17.90
HIGH			64QAM	16.39	16.24	16.09	17.90	
36		LOW	64QAM	16.43	16.38	16.09	17.90	
		MID	64QAM	16.38	16.29	16.26	17.90	
		HIGH	64QAM	16.38	16.25	16.34	17.90	
75		LOW	64QAM	15.95	16.12	16.17	17.90	
Bandwidth		RB Size	RB offset	Modulation	26140	26365	26590	Tune-up power(dB m)
20		1	LOW	QPSK	16.86	16.85	16.76	17.90
	MID		QPSK	16.80	16.85	16.76	17.90	
	HIGH		QPSK	16.84	16.87	16.80	17.90	
	50	LOW	QPSK	16.93	16.97	16.84	17.90	
		MID	QPSK	16.96	16.87	16.89	17.90	
		HIGH	QPSK	16.95	16.89	16.94	17.90	
	100	LOW	QPSK	16.89	16.95	16.84	17.90	
	20	1	LOW	Q16	17.40	17.31	17.24	17.90
			MID	Q16	17.40	17.28	17.24	17.90
HIGH			Q16	<b>17.41</b>	17.28	17.24	17.90	
50		LOW	Q16	16.96	16.91	16.83	17.90	
		MID	Q16	17.00	16.87	16.93	17.90	
		HIGH	Q16	16.98	16.94	16.91	17.90	
100		LOW	Q16	16.98	16.83	16.90	17.90	
15		1	LOW	64QAM	16.54	16.34	16.11	17.90
			MID	64QAM	16.50	16.24	16.16	17.90
	HIGH		64QAM	16.37	16.18	16.19	17.90	
	36	LOW	64QAM	16.45	16.21	16.12	17.90	
		MID	64QAM	16.34	16.38	16.33	17.90	
		HIGH	64QAM	16.27	16.16	16.25	17.90	
	75	LOW	64QAM	16.51	16.17	16.39	17.90	

## 8.3.16 LTE Band25 (Ant.4) Output Power

LTE B25-State17 -Ant.3								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.49	20.75	20.53	21.40	
		MID	QPSK	20.68	20.64	20.52	21.40	
		HIGH	QPSK	20.55	20.70	20.77	21.40	
	3	LOW	QPSK	20.66	20.62	20.57	21.40	
		MID	QPSK	20.58	20.63	20.66	21.40	
		HIGH	QPSK	20.86	20.74	20.67	21.40	
	6	LOW	QPSK	20.66	20.75	20.78	21.40	
	1.4	1	LOW	Q16	21.31	21.24	21.04	21.40
			MID	Q16	21.16	21.16	21.10	21.40
HIGH			Q16	21.31	21.15	21.27	21.40	
3		LOW	Q16	20.57	20.50	20.62	21.40	
		MID	Q16	20.66	20.55	20.64	21.40	
		HIGH	Q16	20.59	20.58	20.69	21.40	
6		LOW	Q16	20.76	20.44	20.71	21.40	
1.4		1	LOW	64QAM	20.15	20.04	19.99	21.40
			MID	64QAM	20.15	19.99	20.03	21.40
	HIGH		64QAM	20.22	20.29	20.23	21.40	
	3	LOW	64QAM	20.47	20.43	20.43	21.40	
		MID	64QAM	20.45	20.30	20.43	21.40	
		HIGH	64QAM	20.40	20.37	20.48	21.40	
	6	LOW	64QAM	19.76	19.69	19.65	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	20.71	20.67	20.61	21.40
MID			QPSK	20.62	20.75	20.80	21.40	
HIGH			QPSK	20.72	20.61	20.62	21.40	
8		LOW	QPSK	20.64	20.65	20.78	21.40	
		MID	QPSK	20.77	20.81	20.86	21.40	
		HIGH	QPSK	20.60	20.67	20.90	21.40	
15		LOW	QPSK	20.78	20.65	20.78	21.40	
3		1	LOW	Q16	21.37	21.29	21.24	21.40
			MID	Q16	21.27	21.17	21.20	21.40
	HIGH		Q16	21.16	21.25	21.10	21.40	
	8	LOW	Q16	20.63	20.74	20.58	21.40	
		MID	Q16	20.68	20.55	20.75	21.40	
		HIGH	Q16	20.76	20.83	20.57	21.40	
	15	LOW	Q16	20.57	20.59	20.52	21.40	
	3	1	LOW	64QAM	20.14	20.18	20.11	21.40
			MID	64QAM	20.26	20.03	20.05	21.40
HIGH			64QAM	20.33	20.11	20.20	21.40	
8		LOW	64QAM	19.51	19.76	19.61	21.00	
		MID	64QAM	19.75	19.52	19.61	21.00	
		HIGH	64QAM	19.74	19.59	19.73	21.00	
15		LOW	64QAM	19.57	19.68	19.58	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	20.49	20.64	20.63	21.40
	MID		QPSK	20.53	20.59	20.63	21.40	
	HIGH		QPSK	20.70	20.68	20.60	21.40	
	12	LOW	QPSK	20.61	20.81	20.72	21.40	
		MID	QPSK	20.67	20.84	20.77	21.40	
		HIGH	QPSK	20.68	20.70	20.75	21.40	
	25	LOW	QPSK	20.83	20.87	20.75	21.40	
	5	1	LOW	Q16	21.18	21.17	21.22	21.40
			MID	Q16	21.31	21.26	21.02	21.40
HIGH			Q16	21.09	21.26	21.11	21.40	
12		LOW	Q16	20.53	20.74	20.58	21.40	
		MID	Q16	20.80	20.74	20.72	21.40	
		HIGH	Q16	20.78	20.62	20.63	21.40	
25		LOW	Q16	20.60	20.62	20.51	21.40	
5		1	LOW	64QAM	20.31	20.12	20.06	21.40
			MID	64QAM	20.35	20.11	20.18	21.40
	HIGH		64QAM	20.12	20.30	20.13	21.40	
	12	LOW	64QAM	19.63	19.75	19.54	21.00	
		MID	64QAM	19.71	19.51	19.84	21.00	
		HIGH	64QAM	19.66	19.65	19.70	21.00	
	25	LOW	64QAM	19.77	19.62	19.49	21.00	

Bandwidth (	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dB m)	
10	1	LOW	QPSK	20.61	20.64	20.75	21.40	
		MID	QPSK	20.58	20.55	20.57	21.40	
		HIGH	QPSK	20.82	20.62	20.67	21.40	
	25	LOW	QPSK	20.55	20.81	20.77	21.40	
		MID	QPSK	20.81	20.85	20.88	21.40	
		HIGH	QPSK	20.76	20.88	20.67	21.40	
	50	LOW	QPSK	20.83	20.60	20.66	21.40	
	10	1	LOW	Q16	<b>21.36</b>	21.11	21.00	21.40
			MID	Q16	21.19	21.07	21.03	21.40
HIGH			Q16	21.26	21.32	21.25	21.40	
25		LOW	Q16	20.47	20.76	20.52	21.40	
		MID	Q16	20.65	20.52	20.76	21.40	
		HIGH	Q16	20.56	20.81	20.75	21.40	
50		LOW	Q16	20.61	20.62	20.73	21.40	
10		1	LOW	64QAM	20.07	20.32	20.03	21.40
			MID	64QAM	20.32	20.08	20.10	21.40
	HIGH		64QAM	20.16	20.22	20.20	21.40	
	25	LOW	64QAM	19.56	19.75	19.68	21.00	
		MID	64QAM	19.56	19.70	19.56	21.00	
		HIGH	64QAM	19.57	19.59	19.77	21.00	
	50	LOW	64QAM	19.72	19.62	19.69	21.00	
	Bandwidth (	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dB m)
	15	1	LOW	QPSK	20.50	20.67	20.78	21.40
MID			QPSK	20.58	20.56	20.59	21.40	
HIGH			QPSK	20.52	20.62	20.68	21.40	
36		LOW	QPSK	20.57	20.71	20.62	21.40	
		MID	QPSK	20.72	20.57	20.89	21.40	
		HIGH	QPSK	20.65	20.76	20.68	21.40	
75		LOW	QPSK	20.71	20.84	20.68	21.40	
15		1	LOW	Q16	21.12	21.25	21.10	21.40
			MID	Q16	<b>21.35</b>	21.11	21.19	21.40
	HIGH		Q16	21.27	21.22	21.27	21.40	
	36	LOW	Q16	20.69	20.66	20.69	21.40	
		MID	Q16	20.69	20.49	20.70	21.40	
		HIGH	Q16	20.69	20.61	20.56	21.40	
	75	LOW	Q16	20.53	20.61	20.48	21.40	
	15	1	LOW	64QAM	20.31	20.24	20.12	21.40
			MID	64QAM	20.20	20.25	20.02	21.40
HIGH			64QAM	20.17	20.15	20.23	21.40	
36		LOW	64QAM	19.54	19.58	19.64	21.00	
		MID	64QAM	19.83	19.61	19.70	21.00	
		HIGH	64QAM	19.52	19.64	19.60	21.00	
75		LOW	64QAM	19.67	19.64	19.72	21.00	
Bandwidth (		RB Size	RB offset	Modulation	26140	26365	26590	Tune-up power(dB m)
20		1	LOW	QPSK	20.64	20.62	20.64	21.40
	MID		QPSK	20.62	20.69	20.66	21.40	
	HIGH		QPSK	20.67	20.67	20.67	21.40	
	50	LOW	QPSK	20.68	20.73	20.70	21.40	
		MID	QPSK	20.73	20.72	20.80	21.40	
		HIGH	QPSK	20.74	20.83	20.82	21.40	
	100	LOW	QPSK	20.74	20.76	20.70	21.40	
	20	1	LOW	Q16	21.22	21.19	21.12	21.40
			MID	Q16	<b>21.23</b>	21.13	21.09	21.40
HIGH			Q16	21.21	21.19	21.12	21.40	
50		LOW	Q16	20.58	20.64	20.58	21.40	
		MID	Q16	20.69	20.62	20.69	21.40	
		HIGH	Q16	20.66	20.68	20.66	21.40	
100		LOW	Q16	20.68	20.59	20.62	21.40	
20		1	LOW	64QAM	20.13	20.11	20.03	21.40
			MID	64QAM	20.30	20.27	20.05	21.40
	HIGH		64QAM	20.20	20.05	20.00	21.40	
	50	LOW	64QAM	19.67	19.78	19.53	21.00	
		MID	64QAM	19.63	19.62	19.78	21.00	
		HIGH	64QAM	19.72	19.58	19.62	21.00	
	100	LOW	64QAM	19.54	19.48	19.75	21.00	

LTE B25-State18 -Ant.3								
Bandwidth	RB Size	RB offset	Modulation	26047	26365	26683	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.15	22.24	22.14	24.00	
		MID	QPSK	22.26	<b>22.29</b>	22.23	24.00	
		HIGH	QPSK	22.22	22.25	22.19	24.00	
	3	LOW	QPSK	22.20	22.21	22.20	24.00	
		MID	QPSK	22.25	22.26	22.23	24.00	
		HIGH	QPSK	22.27	22.24	22.21	24.00	
	6	LOW	QPSK	21.33	21.30	21.22	23.00	
	1.4	1	LOW	Q16	21.42	21.61	21.22	23.00
			MID	Q16	21.51	21.70	21.34	23.00
HIGH			Q16	21.53	21.61	21.31	23.00	
3		LOW	Q16	21.43	21.49	21.30	23.00	
		MID	Q16	21.49	21.43	21.50	23.00	
		HIGH	Q16	21.52	21.40	21.40	23.00	
6		LOW	Q16	20.56	20.19	20.47	22.00	
1.4		1	LOW	64QAM	20.57	20.72	20.12	22.00
			MID	64QAM	20.47	20.74	20.30	22.00
	HIGH		64QAM	20.52	20.60	20.24	22.00	
	3	LOW	64QAM	20.38	20.42	20.39	22.00	
		MID	64QAM	20.41	20.53	20.61	22.00	
		HIGH	64QAM	20.61	20.43	20.37	22.00	
	6	LOW	64QAM	19.41	19.27	19.53	21.00	
	Bandwidth	RB Size	RB offset	Modulation	26055	26365	26675	Tune-up power(dBm)
	3	1	LOW	QPSK	22.14	22.17	22.10	24.00
MID			QPSK	22.20	22.08	22.23	24.00	
HIGH			QPSK	<b>22.28</b>	22.10	22.18	24.00	
8		LOW	QPSK	21.24	21.09	21.14	23.00	
		MID	QPSK	21.30	21.11	21.21	23.00	
		HIGH	QPSK	21.29	21.16	21.21	23.00	
15		LOW	QPSK	21.25	21.13	21.17	23.00	
3		1	LOW	Q16	21.12	21.40	21.19	23.00
			MID	Q16	21.32	21.78	21.31	23.00
	HIGH		Q16	21.26	21.65	21.29	23.00	
	8	LOW	Q16	20.22	20.26	20.08	22.00	
		MID	Q16	20.23	20.42	20.20	22.00	
		HIGH	Q16	20.25	20.43	20.22	22.00	
	15	LOW	Q16	20.17	20.32	20.11	22.00	
	3	1	LOW	64QAM	20.10	20.35	20.11	22.00
			MID	64QAM	20.24	20.85	20.22	22.00
HIGH			64QAM	20.37	20.59	20.41	22.00	
8		LOW	64QAM	19.20	19.23	19.13	21.00	
		MID	64QAM	19.25	19.38	19.06	21.00	
		HIGH	64QAM	19.34	19.33	19.12	21.00	
15		LOW	64QAM	19.08	19.23	19.22	21.00	
Bandwidth		RB Size	RB offset	Modulation	26065	26365	26665	Tune-up power(dBm)
5		1	LOW	QPSK	<b>22.28</b>	22.27	22.26	24.00
	MID		QPSK	22.07	22.01	22.10	24.00	
	HIGH		QPSK	22.20	22.04	22.02	24.00	
	12	LOW	QPSK	21.05	21.22	21.04	23.00	
		MID	QPSK	21.10	21.09	21.11	23.00	
		HIGH	QPSK	21.11	21.09	21.11	23.00	
	25	LOW	QPSK	21.07	21.29	21.09	23.00	
	5	1	LOW	Q16	21.17	21.50	21.19	23.00
			MID	Q16	21.27	21.64	21.27	23.00
HIGH			Q16	21.24	21.56	21.25	23.00	
12		LOW	Q16	20.13	20.10	20.18	22.00	
		MID	Q16	20.25	20.23	20.26	22.00	
		HIGH	Q16	20.22	20.24	20.23	22.00	
25		LOW	Q16	20.10	20.12	20.10	22.00	
5		1	LOW	64QAM	20.18	20.40	20.22	22.00
			MID	64QAM	20.39	20.79	20.38	22.00
	HIGH		64QAM	20.38	20.58	20.31	22.00	
	12	LOW	64QAM	19.25	19.13	19.21	21.00	
		MID	64QAM	19.10	19.21	19.15	21.00	
		HIGH	64QAM	19.18	19.24	19.26	21.00	
	25	LOW	64QAM	18.98	19.24	19.23	21.00	

Bandwidth	RB Size	RB offset	Modulation	26090	26365	26640	Tune-up power(dBm)	
10	1	LOW	QPSK	22.04	<b>22.27</b>	22.10	24.00	
		MID	QPSK	22.24	22.00	22.10	24.00	
		HIGH	QPSK	22.25	22.01	22.18	24.00	
	25	LOW	QPSK	21.11	21.04	21.04	23.00	
		MID	QPSK	21.11	21.12	21.13	23.00	
		HIGH	QPSK	21.16	21.15	21.19	23.00	
	50	LOW	QPSK	21.14	21.16	21.14	23.00	
	10	1	LOW	Q16	21.16	21.45	21.15	23.00
			MID	Q16	21.15	21.61	21.04	23.00
HIGH			Q16	21.00	21.49	21.19	23.00	
25		LOW	Q16	20.17	20.07	20.16	22.00	
		MID	Q16	20.16	20.20	20.23	22.00	
		HIGH	Q16	20.18	20.20	20.29	22.00	
50		LOW	Q16	20.11	20.20	20.19	22.00	
10		1	LOW	64QAM	20.03	20.36	20.10	22.00
			MID	64QAM	20.09	20.48	20.19	22.00
	HIGH		64QAM	20.16	20.41	20.08	22.00	
	25	LOW	64QAM	19.27	19.00	19.16	21.00	
		MID	64QAM	19.16	19.28	19.37	21.00	
		HIGH	64QAM	19.21	19.34	19.21	21.00	
	50	LOW	64QAM	19.02	19.23	19.17	21.00	
	Bandwidth	RB Size	RB offset	Modulation	26115	26365	26615	Tune-up power(dBm)
	15	1	LOW	QPSK	22.01	22.00	22.03	24.00
MID			QPSK	22.00	<b>22.18</b>	22.03	24.00	
HIGH			QPSK	22.05	22.05	22.03	24.00	
36		LOW	QPSK	21.10	21.08	21.11	23.00	
		MID	QPSK	21.08	21.14	21.09	23.00	
		HIGH	QPSK	21.08	21.10	21.20	23.00	
75		LOW	QPSK	21.09	21.10	21.09	23.00	
15		1	LOW	Q16	21.11	21.46	21.62	23.00
			MID	Q16	21.12	21.42	21.61	23.00
	HIGH		Q16	21.11	21.42	21.58	23.00	
	36	LOW	Q16	20.06	20.11	20.11	22.00	
		MID	Q16	20.10	20.23	20.10	22.00	
		HIGH	Q16	20.07	20.16	20.13	22.00	
	75	LOW	Q16	20.06	20.17	20.08	22.00	
	15	1	LOW	64QAM	20.17	20.41	20.52	22.00
			MID	64QAM	20.03	20.46	20.73	22.00
HIGH			64QAM	20.26	20.31	20.43	22.00	
36		LOW	64QAM	19.04	19.02	19.05	21.00	
		MID	64QAM	19.00	19.14	19.00	21.00	
		HIGH	64QAM	19.11	19.01	19.02	21.00	
75		LOW	64QAM	19.02	19.22	19.25	21.00	
Bandwidth		RB Size	RB offset	Modulation	26140	26365	26590	Tune-up power(dBm)
20		1	LOW	QPSK	22.08	22.07	22.09	24.00
	MID		QPSK	22.00	<b>22.11</b>	22.07	24.00	
	HIGH		QPSK	22.03	22.00	22.04	24.00	
	50	LOW	QPSK	21.02	21.09	21.08	23.00	
		MID	QPSK	21.12	21.18	21.20	23.00	
		HIGH	QPSK	21.07	21.15	21.15	23.00	
	100	LOW	QPSK	21.12	21.14	21.10	23.00	
	20	1	LOW	Q16	21.56	21.55	21.50	23.00
			MID	Q16	21.61	21.50	21.48	23.00
HIGH			Q16	21.56	21.51	21.50	23.00	
50		LOW	Q16	20.09	20.12	20.06	22.00	
		MID	Q16	20.17	20.17	20.19	22.00	
		HIGH	Q16	20.10	20.15	20.16	22.00	
100		LOW	Q16	20.16	20.15	20.14	22.00	
20		1	LOW	64QAM	20.45	20.49	20.61	22.00
			MID	64QAM	20.74	20.56	20.40	22.00
	HIGH		64QAM	20.59	20.51	20.35	22.00	
	50	LOW	64QAM	19.17	19.02	19.11	21.00	
		MID	64QAM	19.21	19.12	19.24	21.00	
		HIGH	64QAM	19.05	19.22	19.02	21.00	
	100	LOW	64QAM	19.04	19.02	19.04	21.00	

## 8.3.17 LTE Band26 (Ant.0) Output Power

LTE B26-State17 -Ant.0								
Bandwidth	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.58	22.57	22.50	23.70	
		MID	QPSK	22.57	22.60	22.50	23.70	
		HIGH	QPSK	22.49	22.53	22.42	23.70	
	3	LOW	QPSK	<b>22.65</b>	22.56	22.53	23.70	
		MID	QPSK	22.58	22.59	22.51	23.70	
		HIGH	QPSK	22.55	22.57	22.51	23.70	
	6	LOW	QPSK	21.65	21.66	21.55	22.70	
	1.4	1	LOW	Q16	21.79	21.96	21.56	22.70
			MID	Q16	21.78	22.03	21.57	22.70
HIGH			Q16	21.75	21.97	21.61	22.70	
3		LOW	Q16	21.76	21.86	21.74	22.70	
		MID	Q16	21.71	21.86	21.83	22.70	
		HIGH	Q16	21.69	21.84	21.77	22.70	
6		LOW	Q16	20.88	20.51	20.79	21.70	
1.4		1	LOW	64QAM	20.72	21.10	20.46	21.70
			MID	64QAM	20.76	21.07	20.62	21.70
	HIGH		64QAM	20.85	21.07	20.49	21.70	
	3	LOW	64QAM	20.62	20.91	20.69	21.70	
		MID	64QAM	20.58	20.78	20.75	21.70	
		HIGH	64QAM	20.79	20.71	20.66	21.70	
	6	LOW	64QAM	19.73	19.43	19.91	20.70	
	Bandwidth	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	<b>22.71</b>	22.62	22.65	23.70
MID			QPSK	22.66	22.62	22.64	23.70	
HIGH			QPSK	22.57	22.61	22.56	23.70	
8		LOW	QPSK	21.70	21.72	21.66	22.70	
		MID	QPSK	21.69	21.72	21.63	22.70	
		HIGH	QPSK	21.67	21.69	21.54	22.70	
15		LOW	QPSK	21.73	21.65	21.63	22.70	
3		1	LOW	Q16	21.69	22.09	21.77	22.70
			MID	Q16	21.74	22.18	21.73	22.70
	HIGH		Q16	21.53	22.09	21.63	22.70	
	8	LOW	Q16	20.85	20.77	20.72	21.70	
		MID	Q16	20.83	20.87	20.73	21.70	
		HIGH	Q16	20.78	20.80	20.64	21.70	
	15	LOW	Q16	20.76	20.72	20.66	21.70	
	3	1	LOW	64QAM	20.75	21.24	20.67	21.70
			MID	64QAM	20.75	21.13	20.62	21.70
HIGH			64QAM	20.55	21.24	20.76	21.70	
8		LOW	64QAM	19.75	19.85	19.82	21.70	
		MID	64QAM	19.95	19.89	19.72	21.70	
		HIGH	64QAM	19.74	19.70	19.77	21.70	
15		LOW	64QAM	19.75	19.79	19.81	20.70	
Bandwidth		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	22.70	22.68	22.63	23.70
	MID		QPSK	22.66	22.70	22.58	23.70	
	HIGH		QPSK	22.44	<b>22.71</b>	22.48	23.70	
	12	LOW	QPSK	21.75	21.70	21.70	22.70	
		MID	QPSK	21.71	21.74	21.65	22.70	
		HIGH	QPSK	21.62	21.70	21.59	22.70	
	25	LOW	QPSK	21.70	21.68	21.67	22.70	
	5	1	LOW	Q16	21.92	22.22	21.77	22.70
			MID	Q16	21.87	22.29	21.82	22.70
HIGH			Q16	21.76	22.17	21.76	22.70	
12		LOW	Q16	20.84	20.89	20.83	21.70	
		MID	Q16	20.81	20.92	20.78	21.70	
		HIGH	Q16	20.72	20.86	20.71	21.70	
25		LOW	Q16	20.73	20.67	20.63	21.70	
5		1	LOW	64QAM	21.01	21.22	20.77	21.70
			MID	64QAM	20.96	21.17	20.76	21.70
	HIGH		64QAM	20.81	21.06	20.72	21.70	
	12	LOW	64QAM	19.76	19.85	19.98	20.70	
		MID	64QAM	19.71	19.80	19.66	20.70	
		HIGH	64QAM	19.84	19.72	19.64	20.70	
	25	LOW	64QAM	19.59	19.75	19.78	20.70	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	22.65	22.60	<b>22.73</b>	23.70	
		MID	QPSK	22.51	22.62	22.63	23.70	
		HIGH	QPSK	22.55	22.64	22.59	23.70	
	25	LOW	QPSK	21.70	21.72	21.69	22.70	
		MID	QPSK	21.71	21.69	21.65	22.70	
		HIGH	QPSK	21.63	21.73	21.69	22.70	
	50	LOW	QPSK	21.70	21.67	21.64	22.70	
	10	1	LOW	Q16	21.68	22.06	21.72	22.70
			MID	Q16	21.54	22.07	21.58	22.70
HIGH			Q16	21.61	22.05	21.64	22.70	
25		LOW	Q16	20.77	20.77	20.77	21.70	
		MID	Q16	20.73	20.76	20.79	21.70	
		HIGH	Q16	20.71	20.76	20.77	21.70	
50		LOW	Q16	20.66	20.71	20.70	21.70	
10		1	LOW	64QAM	20.80	21.11	20.57	21.70
			MID	64QAM	20.41	20.92	20.56	21.70
	HIGH		64QAM	20.68	21.03	20.63	21.70	
	25	LOW	64QAM	19.89	19.63	19.64	20.70	
		MID	64QAM	19.62	19.70	19.87	20.70	
		HIGH	64QAM	19.85	19.67	19.68	20.70	
	50	LOW	64QAM	19.64	19.65	19.76	20.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	<b>22.62</b>	22.55	22.61	23.70
MID			QPSK	22.48	22.57	22.55	23.70	
HIGH			QPSK	22.56	22.58	22.45	23.70	
36		LOW	QPSK	21.56	21.72	21.67	22.70	
		MID	QPSK	21.65	21.68	21.74	22.70	
		HIGH	QPSK	21.73	21.72	21.70	22.70	
75	LOW	QPSK	21.67	21.69	21.69	22.70		
15	1	LOW	Q16	21.53	22.04	22.10	22.70	
		MID	Q16	21.48	22.02	22.01	22.70	
		HIGH	Q16	21.44	22.07	21.86	22.70	
	36	LOW	Q16	20.62	20.76	20.71	21.70	
		MID	Q16	20.68	20.73	20.76	21.70	
		HIGH	Q16	20.59	20.80	20.71	21.70	
	75	LOW	Q16	20.65	20.70	20.68	21.70	
	15	1	LOW	64QAM	20.38	21.19	21.08	21.70
			MID	64QAM	20.38	21.15	21.03	21.70
HIGH			64QAM	20.34	21.16	20.99	21.70	
36		LOW	64QAM	19.66	19.80	19.63	20.70	
		MID	64QAM	19.64	19.72	19.88	20.70	
		HIGH	64QAM	19.56	19.89	19.80	20.70	
75		LOW	64QAM	19.75	19.83	19.60	20.70	

LTE B26-State18 -Ant.0								
Bandwidth	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.58	22.57	22.50	23.70	
		MID	QPSK	22.57	22.60	22.50	23.70	
		HIGH	QPSK	22.49	22.53	22.42	23.70	
	3	LOW	QPSK	<b>22.65</b>	22.56	22.53	23.70	
		MID	QPSK	22.58	22.59	22.51	23.70	
		HIGH	QPSK	22.55	22.57	22.51	23.70	
	6	LOW	QPSK	21.65	21.66	21.55	22.70	
	1.4	1	LOW	Q16	21.79	21.96	21.56	22.70
			MID	Q16	21.78	22.03	21.57	22.70
HIGH			Q16	21.75	21.97	21.61	22.70	
3		LOW	Q16	21.76	21.86	21.74	22.70	
		MID	Q16	21.71	21.86	21.83	22.70	
		HIGH	Q16	21.69	21.84	21.77	22.70	
6		LOW	Q16	20.88	20.51	20.79	21.70	
1.4		1	LOW	64QAM	20.72	21.10	20.46	21.70
			MID	64QAM	20.76	21.07	20.62	21.70
	HIGH		64QAM	20.85	21.07	20.49	21.70	
	3	LOW	64QAM	20.62	20.91	20.69	21.70	
		MID	64QAM	20.58	20.78	20.75	21.70	
		HIGH	64QAM	20.79	20.71	20.66	21.70	
	6	LOW	64QAM	19.73	19.43	19.91	20.70	
	Bandwidth	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	<b>22.71</b>	22.62	22.65	23.70
MID			QPSK	22.66	22.62	22.64	23.70	
HIGH			QPSK	22.57	22.61	22.56	23.70	
8		LOW	QPSK	21.70	21.72	21.66	22.70	
		MID	QPSK	21.69	21.72	21.63	22.70	
		HIGH	QPSK	21.67	21.69	21.54	22.70	
15		LOW	QPSK	21.73	21.65	21.63	22.70	
3		1	LOW	Q16	21.69	22.09	21.77	22.70
			MID	Q16	21.74	22.18	21.73	22.70
	HIGH		Q16	21.53	22.09	21.63	22.70	
	8	LOW	Q16	20.85	20.77	20.72	21.70	
		MID	Q16	20.83	20.87	20.73	21.70	
		HIGH	Q16	20.78	20.80	20.64	21.70	
	15	LOW	Q16	20.76	20.72	20.66	21.70	
	3	1	LOW	64QAM	20.75	21.24	20.67	21.70
			MID	64QAM	20.75	21.13	20.62	21.70
HIGH			64QAM	20.55	21.24	20.76	21.70	
8		LOW	64QAM	19.75	19.85	19.82	21.70	
		MID	64QAM	19.95	19.89	19.72	21.70	
		HIGH	64QAM	19.74	19.70	19.77	21.70	
15		LOW	64QAM	19.75	19.79	19.81	20.70	
Bandwidth		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	22.70	22.68	22.63	23.70
	MID		QPSK	22.66	22.70	22.58	23.70	
	HIGH		QPSK	22.44	<b>22.71</b>	22.48	23.70	
	12	LOW	QPSK	21.75	21.70	21.70	22.70	
		MID	QPSK	21.71	21.74	21.65	22.70	
		HIGH	QPSK	21.62	21.70	21.59	22.70	
	25	LOW	QPSK	21.70	21.68	21.67	22.70	
	5	1	LOW	Q16	21.92	22.22	21.77	22.70
			MID	Q16	21.87	22.29	21.82	22.70
HIGH			Q16	21.76	22.17	21.76	22.70	
12		LOW	Q16	20.84	20.89	20.83	21.70	
		MID	Q16	20.81	20.92	20.78	21.70	
		HIGH	Q16	20.72	20.86	20.71	21.70	
25		LOW	Q16	20.73	20.67	20.63	21.70	
5		1	LOW	64QAM	21.01	21.22	20.77	21.70
			MID	64QAM	20.96	21.17	20.76	21.70
	HIGH		64QAM	20.81	21.06	20.72	21.70	
	12	LOW	64QAM	19.76	19.85	19.98	20.70	
		MID	64QAM	19.71	19.80	19.66	20.70	
		HIGH	64QAM	19.84	19.72	19.64	20.70	
	25	LOW	64QAM	19.59	19.75	19.78	20.70	



Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	22.65	22.60	<b>22.73</b>	23.70	
		MID	QPSK	22.51	22.62	22.63	23.70	
		HIGH	QPSK	22.55	22.64	22.59	23.70	
	25	LOW	QPSK	21.70	21.72	21.69	22.70	
		MID	QPSK	21.71	21.69	21.65	22.70	
		HIGH	QPSK	21.63	21.73	21.69	22.70	
	50	LOW	QPSK	21.70	21.67	21.64	22.70	
	10	1	LOW	Q16	21.68	22.06	21.72	22.70
			MID	Q16	21.54	22.07	21.58	22.70
HIGH			Q16	21.61	22.05	21.64	22.70	
25		LOW	Q16	20.77	20.77	20.77	21.70	
		MID	Q16	20.73	20.76	20.79	21.70	
		HIGH	Q16	20.71	20.76	20.77	21.70	
50		LOW	Q16	20.66	20.71	20.70	21.70	
10		1	LOW	64QAM	20.80	21.11	20.57	21.70
			MID	64QAM	20.41	20.92	20.56	21.70
	HIGH		64QAM	20.68	21.03	20.63	21.70	
	25	LOW	64QAM	19.89	19.63	19.64	20.70	
		MID	64QAM	19.62	19.70	19.87	20.70	
		HIGH	64QAM	19.85	19.67	19.68	20.70	
	50	LOW	64QAM	19.64	19.65	19.76	20.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	<b>22.62</b>	22.55	22.61	23.70
MID			QPSK	22.48	22.57	22.55	23.70	
HIGH			QPSK	22.56	22.58	22.45	23.70	
36		LOW	QPSK	21.56	21.72	21.67	22.70	
		MID	QPSK	21.65	21.68	21.74	22.70	
		HIGH	QPSK	21.73	21.72	21.70	22.70	
75	LOW	QPSK	21.67	21.69	21.69	22.70		
15	1	LOW	Q16	21.53	22.04	22.10	22.70	
		MID	Q16	21.48	22.02	22.01	22.70	
		HIGH	Q16	21.44	22.07	21.86	22.70	
	36	LOW	Q16	20.62	20.76	20.71	21.70	
		MID	Q16	20.68	20.73	20.76	21.70	
		HIGH	Q16	20.59	20.80	20.71	21.70	
	75	LOW	Q16	20.65	20.70	20.68	21.70	
	15	1	LOW	64QAM	20.38	21.19	21.08	21.70
			MID	64QAM	20.38	21.15	21.03	21.70
HIGH			64QAM	20.34	21.16	20.99	21.70	
36		LOW	64QAM	19.66	19.80	19.63	20.70	
		MID	64QAM	19.64	19.72	19.88	20.70	
		HIGH	64QAM	19.56	19.89	19.80	20.70	
75		LOW	64QAM	19.75	19.83	19.60	20.70	

## 8.3.18 LTE Band26 (Ant.1) Output Power

LTE B26-State17 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.51	<b>22.72</b>	22.35	24.00	
		MID	QPSK	22.23	22.08	22.15	24.00	
		HIGH	QPSK	22.29	22.44	22.18	24.00	
	3	LOW	QPSK	22.21	22.63	22.23	24.00	
		MID	QPSK	22.14	22.11	22.19	24.00	
		HIGH	QPSK	22.12	22.49	22.43	24.00	
	6	LOW	QPSK	21.26	21.32	21.22	23.00	
	1.4	1	LOW	Q16	21.32	21.26	21.51	23.00
			MID	Q16	21.35	21.65	21.69	23.00
HIGH			Q16	21.30	21.35	21.32	23.00	
3		LOW	Q16	21.56	21.54	21.45	23.00	
		MID	Q16	21.45	21.41	21.30	23.00	
		HIGH	Q16	21.46	21.10	21.18	23.00	
6		LOW	Q16	20.48	20.03	20.27	22.00	
1.4		1	LOW	64QAM	20.27	20.47	20.45	22.00
			MID	64QAM	20.47	20.42	20.56	22.00
	HIGH		64QAM	20.37	20.47	20.18	22.00	
	3	LOW	64QAM	20.49	20.54	20.54	22.00	
		MID	64QAM	20.12	20.73	20.73	22.00	
		HIGH	64QAM	20.36	20.15	20.26	22.00	
	6	LOW	64QAM	19.18	19.15	19.24	21.00	
	Bandwidth	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	22.39	<b>22.83</b>	22.32	24.00
MID			QPSK	22.07	22.07	22.00	24.00	
HIGH			QPSK	22.22	22.71	22.34	24.00	
8		LOW	QPSK	21.05	21.17	21.01	23.00	
		MID	QPSK	21.71	21.59	21.35	23.00	
		HIGH	QPSK	21.58	21.45	21.03	23.00	
15		LOW	QPSK	21.33	21.13	21.13	23.00	
3		1	LOW	Q16	21.60	21.62	21.53	23.00
			MID	Q16	21.07	21.69	21.80	23.00
	HIGH		Q16	21.26	21.29	21.28	23.00	
	8	LOW	Q16	20.24	20.11	20.39	22.00	
		MID	Q16	20.46	20.40	20.28	22.00	
		HIGH	Q16	20.62	20.37	20.16	22.00	
	15	LOW	Q16	20.52	20.37	20.25	22.00	
	3	1	LOW	64QAM	20.25	20.36	20.24	22.00
			MID	64QAM	20.44	20.48	20.76	22.00
HIGH			64QAM	20.24	20.31	20.19	22.00	
8		LOW	64QAM	20.18	20.23	20.38	22.00	
		MID	64QAM	20.46	20.33	20.64	22.00	
		HIGH	64QAM	20.21	20.41	20.20	22.00	
15		LOW	64QAM	19.61	19.00	19.03	21.00	
Bandwidth		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	22.41	<b>22.77</b>	22.26	24.00
	MID		QPSK	22.05	22.06	22.05	24.00	
	HIGH		QPSK	22.15	22.68	22.55	24.00	
	12	LOW	QPSK	21.19	21.19	21.00	23.00	
		MID	QPSK	21.50	21.13	21.33	23.00	
		HIGH	QPSK	21.70	21.27	21.31	23.00	
	25	LOW	QPSK	21.30	21.05	21.29	23.00	
	5	1	LOW	Q16	21.61	21.42	21.58	23.00
			MID	Q16	21.02	21.73	21.60	23.00
HIGH			Q16	21.24	21.53	21.45	23.00	
12		LOW	Q16	20.24	20.02	20.28	22.00	
		MID	Q16	20.21	20.33	20.34	22.00	
		HIGH	Q16	20.64	20.50	20.22	22.00	
25		LOW	Q16	20.54	20.42	20.29	22.00	
5		1	LOW	64QAM	20.25	20.35	20.36	22.00
			MID	64QAM	20.46	20.47	20.61	22.00
	HIGH		64QAM	20.25	20.41	20.04	22.00	
	12	LOW	64QAM	19.32	19.04	19.21	21.00	
		MID	64QAM	19.48	19.38	19.35	21.00	
		HIGH	64QAM	19.14	19.22	19.13	21.00	
	25	LOW	64QAM	19.58	19.07	19.09	21.00	

Bandwidth (	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	22.31	<b>22.71</b>	22.31	24.00	
		MID	QPSK	22.12	22.16	22.11	24.00	
		HIGH	QPSK	22.13	22.58	22.40	24.00	
	25	LOW	QPSK	21.12	21.31	21.11	23.00	
		MID	QPSK	21.62	21.11	21.30	23.00	
		HIGH	QPSK	21.60	21.30	21.16	23.00	
	50	LOW	QPSK	21.44	21.20	21.15	23.00	
	10	1	LOW	Q16	21.59	21.48	21.49	23.00
			MID	Q16	21.14	21.69	21.65	23.00
HIGH			Q16	21.26	21.38	21.42	23.00	
25		LOW	Q16	20.29	20.14	20.32	22.00	
		MID	Q16	20.31	20.36	20.43	22.00	
		HIGH	Q16	20.66	20.39	20.15	22.00	
50		LOW	Q16	20.50	20.06	20.32	22.00	
10		1	LOW	64QAM	20.16	20.34	20.36	22.00
			MID	64QAM	20.53	20.47	20.71	22.00
	HIGH		64QAM	20.13	20.43	20.12	22.00	
	25	LOW	64QAM	19.39	19.19	19.08	21.00	
		MID	64QAM	19.57	19.02	19.34	21.00	
		HIGH	64QAM	19.18	19.10	19.15	21.00	
	50	LOW	64QAM	19.47	19.07	19.07	21.00	
	Bandwidth (	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	22.36	<b>22.58</b>	22.46	24.00
MID			QPSK	22.09	22.11	22.04	24.00	
HIGH			QPSK	22.25	22.44	22.29	24.00	
36		LOW	QPSK	21.24	21.24	21.17	23.00	
		MID	QPSK	21.20	21.09	21.53	23.00	
		HIGH	QPSK	21.46	21.42	21.06	23.00	
75		LOW	QPSK	21.29	21.19	21.11	23.00	
15		1	LOW	Q16	21.44	21.38	21.56	23.00
			MID	Q16	21.27	21.60	21.62	23.00
	HIGH		Q16	21.21	21.33	21.07	23.00	
	36	LOW	Q16	20.40	20.19	20.20	22.00	
		MID	Q16	20.45	20.08	20.31	22.00	
		HIGH	Q16	20.51	20.32	20.04	22.00	
	75	LOW	Q16	20.38	20.05	20.17	22.00	
	15	1	LOW	64QAM	20.26	20.39	20.43	22.00
			MID	64QAM	20.50	20.36	20.57	22.00
HIGH			64QAM	20.28	20.45	20.06	22.00	
36		LOW	64QAM	19.54	19.13	19.22	21.00	
		MID	64QAM	19.52	19.10	19.09	21.00	
		HIGH	64QAM	19.26	19.21	19.18	21.00	
75		LOW	64QAM	19.32	19.18	19.16	21.00	

LTE B26-State18 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.51	<b>22.72</b>	22.35	24.00	
		MID	QPSK	22.23	22.08	22.15	24.00	
		HIGH	QPSK	22.29	22.44	22.18	24.00	
	3	LOW	QPSK	22.21	22.63	22.23	24.00	
		MID	QPSK	22.14	22.11	22.19	24.00	
		HIGH	QPSK	22.12	22.49	22.43	24.00	
	6	LOW	QPSK	21.26	21.32	21.22	23.00	
	1.4	1	LOW	Q16	21.32	21.26	21.51	23.00
			MID	Q16	21.35	21.65	21.69	23.00
HIGH			Q16	21.30	21.35	21.32	23.00	
3		LOW	Q16	21.56	21.54	21.45	23.00	
		MID	Q16	21.45	21.41	21.30	23.00	
		HIGH	Q16	21.46	21.10	21.18	23.00	
6		LOW	Q16	20.48	20.03	20.27	22.00	
1.4		1	LOW	64QAM	20.27	20.47	20.45	22.00
			MID	64QAM	20.47	20.42	20.56	22.00
	HIGH		64QAM	20.37	20.47	20.18	22.00	
	3	LOW	64QAM	20.49	20.54	20.54	22.00	
		MID	64QAM	20.12	20.73	20.73	22.00	
		HIGH	64QAM	20.36	20.15	20.26	22.00	
	6	LOW	64QAM	19.18	19.15	19.24	21.00	
	Bandwidth	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	22.39	<b>22.83</b>	22.32	24.00
MID			QPSK	22.07	22.07	22.00	24.00	
HIGH			QPSK	22.22	22.71	22.34	24.00	
8		LOW	QPSK	21.05	21.17	21.01	23.00	
		MID	QPSK	21.71	21.59	21.35	23.00	
		HIGH	QPSK	21.58	21.45	21.03	23.00	
15		LOW	QPSK	21.33	21.13	21.13	23.00	
3		1	LOW	Q16	21.60	21.62	21.53	23.00
			MID	Q16	21.07	21.69	21.80	23.00
	HIGH		Q16	21.26	21.29	21.28	23.00	
	8	LOW	Q16	20.24	20.11	20.39	22.00	
		MID	Q16	20.46	20.40	20.28	22.00	
		HIGH	Q16	20.62	20.37	20.16	22.00	
	15	LOW	Q16	20.52	20.37	20.25	22.00	
	3	1	LOW	64QAM	20.25	20.36	20.24	22.00
			MID	64QAM	20.44	20.48	20.76	22.00
HIGH			64QAM	20.24	20.31	20.19	22.00	
8		LOW	64QAM	20.18	20.23	20.38	22.00	
		MID	64QAM	20.46	20.33	20.64	22.00	
		HIGH	64QAM	20.21	20.41	20.20	22.00	
15		LOW	64QAM	19.61	19.00	19.03	21.00	
Bandwidth		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	22.41	<b>22.77</b>	22.26	24.00
	MID		QPSK	22.05	22.06	22.05	24.00	
	HIGH		QPSK	22.15	22.68	22.55	24.00	
	12	LOW	QPSK	21.19	21.19	21.00	23.00	
		MID	QPSK	21.50	21.13	21.33	23.00	
		HIGH	QPSK	21.70	21.27	21.31	23.00	
	25	LOW	QPSK	21.30	21.05	21.29	23.00	
	5	1	LOW	Q16	21.61	21.42	21.58	23.00
			MID	Q16	21.02	21.73	21.60	23.00
HIGH			Q16	21.24	21.53	21.45	23.00	
12		LOW	Q16	20.24	20.02	20.28	22.00	
		MID	Q16	20.21	20.33	20.34	22.00	
		HIGH	Q16	20.64	20.50	20.22	22.00	
25		LOW	Q16	20.54	20.42	20.29	22.00	
5		1	LOW	64QAM	20.25	20.35	20.36	22.00
			MID	64QAM	20.46	20.47	20.61	22.00
	HIGH		64QAM	20.25	20.41	20.04	22.00	
	12	LOW	64QAM	19.32	19.04	19.21	21.00	
		MID	64QAM	19.48	19.38	19.35	21.00	
		HIGH	64QAM	19.14	19.22	19.13	21.00	
	25	LOW	64QAM	19.58	19.07	19.09	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	22.31	<b>22.71</b>	22.31	24.00	
		MID	QPSK	22.12	22.16	22.11	24.00	
		HIGH	QPSK	22.13	22.58	22.40	24.00	
	25	LOW	QPSK	21.12	21.31	21.11	23.00	
		MID	QPSK	21.62	21.11	21.30	23.00	
		HIGH	QPSK	21.60	21.30	21.16	23.00	
	50	LOW	QPSK	21.44	21.20	21.15	23.00	
	10	1	LOW	Q16	21.59	21.48	21.49	23.00
			MID	Q16	21.14	21.69	21.65	23.00
HIGH			Q16	21.26	21.38	21.42	23.00	
25		LOW	Q16	20.29	20.14	20.32	22.00	
		MID	Q16	20.31	20.36	20.43	22.00	
		HIGH	Q16	20.66	20.39	20.15	22.00	
50		LOW	Q16	20.50	20.06	20.32	22.00	
10		1	LOW	64QAM	20.16	20.34	20.36	22.00
			MID	64QAM	20.53	20.47	20.71	22.00
	HIGH		64QAM	20.13	20.43	20.12	22.00	
	25	LOW	64QAM	19.39	19.19	19.08	21.00	
		MID	64QAM	19.57	19.02	19.34	21.00	
		HIGH	64QAM	19.18	19.10	19.15	21.00	
	50	LOW	64QAM	19.47	19.07	19.07	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	22.36	<b>22.58</b>	22.46	24.00
MID			QPSK	22.09	22.11	22.04	24.00	
HIGH			QPSK	22.25	22.44	22.29	24.00	
36		LOW	QPSK	21.24	21.24	21.17	23.00	
		MID	QPSK	21.20	21.09	21.53	23.00	
		HIGH	QPSK	21.46	21.42	21.06	23.00	
75		LOW	QPSK	21.29	21.19	21.11	23.00	
15		1	LOW	Q16	21.44	21.38	21.56	23.00
			MID	Q16	21.27	21.60	21.62	23.00
	HIGH		Q16	21.21	21.33	21.07	23.00	
	36	LOW	Q16	20.40	20.19	20.20	22.00	
		MID	Q16	20.45	20.08	20.31	22.00	
		HIGH	Q16	20.51	20.32	20.04	22.00	
	75	LOW	Q16	20.38	20.05	20.17	22.00	
	15	1	LOW	64QAM	20.26	20.39	20.43	22.00
			MID	64QAM	20.50	20.36	20.57	22.00
HIGH			64QAM	20.28	20.45	20.06	22.00	
36		LOW	64QAM	19.54	19.13	19.22	21.00	
		MID	64QAM	19.52	19.10	19.09	21.00	
		HIGH	64QAM	19.26	19.21	19.18	21.00	
75		LOW	64QAM	19.32	19.18	19.16	21.00	

## 8.3.19 LTE Band66 (Ant.3) Output Power

LTE B66-State17 -Ant.3								
Bandwidth	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	18.66	18.49	18.47	19.70	
		MID	QPSK	18.35	18.53	18.28	19.70	
		HIGH	QPSK	18.47	18.55	18.43	19.70	
	3	LOW	QPSK	18.43	18.39	18.49	19.70	
		MID	QPSK	18.62	18.57	18.40	19.70	
		HIGH	QPSK	18.73	18.46	18.69	19.70	
	6	LOW	QPSK	18.62	18.63	18.63	19.70	
	1.4	1	LOW	Q16	<b>19.24</b>	19.20	18.73	19.70
			MID	Q16	19.20	19.12	19.04	19.70
HIGH			Q16	19.12	18.86	18.84	19.70	
3		LOW	Q16	18.65	18.41	18.48	19.70	
		MID	Q16	18.67	18.66	18.63	19.70	
		HIGH	Q16	18.70	18.65	18.49	19.70	
6		LOW	Q16	18.74	18.66	18.52	19.70	
1.4		1	LOW	64QAM	18.13	18.19	17.74	19.70
			MID	64QAM	18.21	18.27	18.03	19.70
	HIGH		64QAM	17.94	17.95	17.81	19.70	
	3	LOW	64QAM	18.29	18.27	17.98	19.70	
		MID	64QAM	18.17	18.15	18.12	19.70	
		HIGH	64QAM	18.11	17.98	18.01	19.70	
	6	LOW	64QAM	18.21	18.18	17.82	19.70	
	Bandwidth	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	18.52	18.51	18.43	19.70
MID			QPSK	18.62	18.57	18.53	19.70	
HIGH			QPSK	18.53	18.72	18.32	19.70	
8		LOW	QPSK	18.69	18.44	18.43	19.70	
		MID	QPSK	18.55	18.70	18.56	19.70	
		HIGH	QPSK	18.54	18.58	18.66	19.70	
15		LOW	QPSK	18.55	18.71	18.59	19.70	
3		1	LOW	Q16	19.03	19.05	18.85	19.70
			MID	Q16	19.15	18.87	18.89	19.70
	HIGH		Q16	<b>19.23</b>	18.93	18.97	19.70	
	8	LOW	Q16	18.72	18.45	18.54	19.70	
		MID	Q16	18.56	18.51	18.53	19.70	
		HIGH	Q16	18.66	18.51	18.42	19.70	
	15	LOW	Q16	18.59	18.50	18.44	19.70	
	3	1	LOW	64QAM	18.30	18.22	17.74	19.70
			MID	64QAM	18.16	18.22	17.88	19.70
HIGH			64QAM	18.12	17.96	17.78	19.70	
8		LOW	64QAM	18.38	18.21	17.71	19.70	
		MID	64QAM	18.12	17.95	18.10	19.70	
		HIGH	64QAM	18.30	17.85	17.95	19.70	
15		LOW	64QAM	18.32	18.13	17.92	19.70	
Bandwidth		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	18.69	18.45	18.51	19.70
	MID		QPSK	18.61	18.44	18.35	19.70	
	HIGH		QPSK	18.57	18.44	18.39	19.70	
	12	LOW	QPSK	18.47	18.40	18.63	19.70	
		MID	QPSK	18.74	18.51	18.69	19.70	
		HIGH	QPSK	18.63	18.43	18.59	19.70	
	25	LOW	QPSK	18.54	18.68	18.44	19.70	
	5	1	LOW	Q16	19.14	<b>19.24</b>	18.84	19.70
			MID	Q16	<b>19.24</b>	19.00	19.01	19.70
HIGH			Q16	19.19	18.87	18.84	19.70	
12		LOW	Q16	18.73	18.61	18.64	19.70	
		MID	Q16	18.72	18.68	18.57	19.70	
		HIGH	Q16	18.63	18.55	18.69	19.70	
25		LOW	Q16	18.60	18.57	18.40	19.70	
5		1	LOW	64QAM	18.29	18.23	18.24	19.70
			MID	64QAM	18.01	18.09	18.05	19.70
	HIGH		64QAM	18.03	17.88	17.76	19.70	
	12	LOW	64QAM	18.12	18.04	17.79	19.70	
		MID	64QAM	18.16	18.08	18.02	19.70	
		HIGH	64QAM	18.05	17.86	17.85	19.70	
	25	LOW	64QAM	18.28	17.95	17.97	19.70	

Bandwidth	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	<b>18.58</b>	18.38	18.48	19.70	
		MID	QPSK	18.37	18.45	18.29	19.70	
		HIGH	QPSK	18.42	18.54	18.34	19.70	
	25	LOW	QPSK	18.66	18.47	18.46	19.70	
		MID	QPSK	18.55	18.68	18.41	19.70	
		HIGH	QPSK	18.70	18.49	18.58	19.70	
	50	LOW	QPSK	18.59	18.43	18.37	19.70	
	10	1	LOW	Q16	19.20	19.13	18.77	19.70
			MID	Q16	19.01	18.84	18.86	19.70
HIGH			Q16	<b>19.33</b>	18.91	19.00	19.70	
25		LOW	Q16	18.73	18.57	18.65	19.70	
		MID	Q16	18.67	18.48	18.57	19.70	
		HIGH	Q16	18.65	18.56	18.54	19.70	
50		LOW	Q16	18.67	18.66	18.52	19.70	
10		1	LOW	64QAM	18.21	18.24	17.90	19.70
			MID	64QAM	18.21	18.03	17.95	19.70
	HIGH		64QAM	18.14	18.01	17.95	19.70	
	25	LOW	64QAM	18.37	18.11	17.89	19.70	
		MID	64QAM	18.13	18.09	18.10	19.70	
		HIGH	64QAM	18.09	17.77	18.00	19.70	
	50	LOW	64QAM	18.23	18.21	17.85	19.70	
	Bandwidth	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	18.58	18.35	18.54	19.70
MID			QPSK	18.60	18.62	18.29	19.70	
HIGH			QPSK	18.42	18.55	18.55	19.70	
36		LOW	QPSK	18.67	18.57	18.48	19.70	
		MID	QPSK	18.58	18.60	18.61	19.70	
		HIGH	QPSK	18.61	18.66	18.51	19.70	
75		LOW	QPSK	18.54	18.59	18.62	19.70	
15		1	LOW	Q16	<b>19.20</b>	<b>19.20</b>	18.98	19.70
			MID	Q16	18.94	19.08	18.82	19.70
	HIGH		Q16	<b>19.20</b>	18.99	19.07	19.70	
	36	LOW	Q16	18.59	18.52	18.58	19.70	
		MID	Q16	18.72	18.50	18.40	19.70	
		HIGH	Q16	18.77	18.65	18.64	19.70	
	75	LOW	Q16	18.62	18.64	18.44	19.70	
	15	1	LOW	64QAM	18.30	18.30	18.28	19.70
			MID	64QAM	18.13	18.14	18.05	19.70
HIGH			64QAM	18.19	18.05	18.12	19.70	
36		LOW	64QAM	18.32	18.20	17.75	19.70	
		MID	64QAM	17.97	18.02	17.99	19.70	
		HIGH	64QAM	18.26	17.98	18.01	19.70	
75		LOW	64QAM	18.29	18.20	17.92	19.70	
Bandwidth		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	<b>18.58</b>	18.40	18.45	19.70
	MID		QPSK	18.47	18.52	18.43	19.70	
	HIGH		QPSK	18.54	18.57	18.41	19.70	
	50	LOW	QPSK	18.55	18.50	18.52	19.70	
		MID	QPSK	18.67	18.60	18.55	19.70	
		HIGH	QPSK	18.61	18.58	18.57	19.70	
	100	LOW	QPSK	18.62	18.57	18.52	19.70	
	20	1	LOW	Q16	19.17	<b>19.11</b>	18.85	19.70
			MID	Q16	19.09	18.98	18.89	19.70
HIGH			Q16	<b>19.18</b>	18.98	18.92	19.70	
50		LOW	Q16	18.62	18.53	18.51	19.70	
		MID	Q16	18.69	18.62	18.53	19.70	
		HIGH	Q16	18.65	18.62	18.57	19.70	
100		LOW	Q16	18.68	18.58	18.53	19.70	
20		1	LOW	64QAM	18.19	18.20	17.75	19.70
			MID	64QAM	18.13	18.12	18.01	19.70
	HIGH		64QAM	18.04	17.94	17.83	19.70	
	50	LOW	64QAM	18.26	18.16	17.85	19.70	
		MID	64QAM	18.08	18.00	18.03	19.70	
		HIGH	64QAM	18.16	17.87	17.88	19.70	
	100	LOW	64QAM	18.24	18.07	17.87	19.70	

LTE B66-State18 -Ant.3								
Bandwidth	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	15.01	15.05	15.08	16.20	
		MID	QPSK	15.19	15.10	15.08	16.20	
		HIGH	QPSK	15.17	15.06	15.16	16.20	
	3	LOW	QPSK	15.27	15.06	15.24	16.20	
		MID	QPSK	15.35	15.32	15.15	16.20	
		HIGH	QPSK	15.14	15.15	15.36	16.20	
	6	LOW	QPSK	15.08	15.18	15.01	16.20	
	1.4	1	LOW	Q16	15.66	15.72	15.73	16.20
			MID	Q16	15.57	<b>15.82</b>	15.50	16.20
HIGH			Q16	15.58	15.72	15.57	16.20	
3		LOW	Q16	15.26	15.23	15.05	16.20	
		MID	Q16	15.08	15.17	15.22	16.20	
		HIGH	Q16	15.17	15.28	15.12	16.20	
6		LOW	Q16	15.31	15.30	14.99	16.20	
1.4		1	LOW	64QAM	15.11	15.39	15.27	16.20
			MID	64QAM	15.26	15.20	14.92	16.20
	HIGH		64QAM	15.26	15.36	14.94	16.20	
	3	LOW	64QAM	14.62	14.53	14.51	16.20	
		MID	64QAM	14.57	14.56	14.83	16.20	
		HIGH	64QAM	14.43	14.65	14.46	16.20	
	6	LOW	64QAM	15.06	14.69	14.44	16.20	
	Bandwidth	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	15.09	15.19	14.97	16.20
MID			QPSK	15.14	15.17	15.13	16.20	
HIGH			QPSK	15.22	15.22	15.13	16.20	
8		LOW	QPSK	15.15	15.16	15.23	16.20	
		MID	QPSK	15.06	15.24	15.10	16.20	
		HIGH	QPSK	15.07	15.24	15.27	16.20	
15		LOW	QPSK	15.11	15.29	15.02	16.20	
3		1	LOW	Q16	15.59	15.74	15.55	16.20
			MID	Q16	15.59	15.68	15.46	16.20
	HIGH		Q16	15.47	<b>15.75</b>	15.62	16.20	
	8	LOW	Q16	15.13	14.99	15.16	16.20	
		MID	Q16	15.36	15.31	15.28	16.20	
		HIGH	Q16	15.04	15.28	15.23	16.20	
	15	LOW	Q16	15.28	15.11	14.95	16.20	
	3	1	LOW	64QAM	15.10	15.31	15.18	16.20
			MID	64QAM	15.28	15.19	14.96	16.20
HIGH			64QAM	15.30	15.22	15.11	16.20	
8		LOW	64QAM	14.79	14.52	14.64	16.20	
		MID	64QAM	14.58	14.59	14.79	16.20	
		HIGH	64QAM	14.44	14.71	14.65	16.20	
15		LOW	64QAM	15.08	14.73	14.43	16.20	
Bandwidth		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	15.00	15.10	14.95	16.20
	MID		QPSK	14.98	15.21	14.92	16.20	
	HIGH		QPSK	14.92	15.17	15.06	16.20	
	12	LOW	QPSK	15.02	15.04	15.08	16.20	
		MID	QPSK	15.15	15.14	15.24	16.20	
		HIGH	QPSK	15.21	15.26	15.32	16.20	
	25	LOW	QPSK	15.11	15.15	15.11	16.20	
	5	1	LOW	Q16	15.50	15.54	<b>15.70</b>	16.20
			MID	Q16	15.52	15.56	15.69	16.20
HIGH			Q16	15.64	15.66	15.52	16.20	
12		LOW	Q16	15.25	15.00	15.03	16.20	
		MID	Q16	15.18	15.27	15.25	16.20	
		HIGH	Q16	15.08	15.07	15.01	16.20	
25		LOW	Q16	15.11	15.29	15.18	16.20	
5		1	LOW	64QAM	15.07	15.42	15.36	16.20
			MID	64QAM	15.31	15.27	15.03	16.20
	HIGH		64QAM	15.29	15.29	14.90	16.20	
	12	LOW	64QAM	14.76	14.72	14.37	16.20	
		MID	64QAM	14.45	14.64	14.96	16.20	
		HIGH	64QAM	14.57	14.77	14.52	16.20	
	25	LOW	64QAM	15.05	14.55	14.48	16.20	



Bandwidth	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	14.97	15.19	15.13	16.20	
		MID	QPSK	15.04	15.19	15.00	16.20	
		HIGH	QPSK	14.99	15.18	15.15	16.20	
	25	LOW	QPSK	15.08	15.14	15.09	16.20	
		MID	QPSK	15.31	15.10	15.27	16.20	
		HIGH	QPSK	15.10	15.22	15.18	16.20	
	50	LOW	QPSK	15.15	15.33	14.93	16.20	
	10	1	LOW	Q16	15.69	15.68	<b>15.73</b>	16.20
			MID	Q16	15.54	15.68	15.68	16.20
HIGH			Q16	15.41	<b>15.73</b>	15.52	16.20	
25		LOW	Q16	15.10	15.02	15.20	16.20	
		MID	Q16	15.13	15.17	15.26	16.20	
		HIGH	Q16	15.13	15.15	15.12	16.20	
50		LOW	Q16	15.12	15.06	15.15	16.20	
10		1	LOW	64QAM	14.98	15.29	15.44	16.20
			MID	64QAM	15.38	15.12	15.14	16.20
	HIGH		64QAM	15.08	15.30	14.96	16.20	
	25	LOW	64QAM	14.75	14.74	14.47	16.20	
		MID	64QAM	14.63	14.49	14.94	16.20	
		HIGH	64QAM	14.45	14.64	14.48	16.20	
	50	LOW	64QAM	14.85	14.84	14.54	16.20	
	Bandwidth	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	15.21	15.00	15.04	16.20
MID			QPSK	15.10	14.91	14.92	16.20	
HIGH			QPSK	15.08	15.25	15.12	16.20	
36		LOW	QPSK	15.15	15.07	15.10	16.20	
		MID	QPSK	15.24	15.10	15.10	16.20	
		HIGH	QPSK	15.13	15.28	15.17	16.20	
75		LOW	QPSK	15.07	15.14	15.08	16.20	
15		1	LOW	Q16	15.66	15.66	15.50	16.20
			MID	Q16	15.38	<b>15.82</b>	15.43	16.20
	HIGH		Q16	15.69	15.73	15.40	16.20	
	36	LOW	Q16	15.03	15.27	15.10	16.20	
		MID	Q16	15.25	15.23	15.24	16.20	
		HIGH	Q16	15.16	15.07	15.30	16.20	
	75	LOW	Q16	15.14	15.16	15.10	16.20	
	15	1	LOW	64QAM	15.05	15.22	15.26	16.20
			MID	64QAM	15.30	15.20	14.89	16.20
HIGH			64QAM	15.34	15.44	14.93	16.20	
36		LOW	64QAM	14.55	14.54	14.41	16.20	
		MID	64QAM	14.38	14.58	14.76	16.20	
		HIGH	64QAM	14.37	14.67	14.48	16.20	
75		LOW	64QAM	14.92	14.61	14.44	16.20	
Bandwidth		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	<b>15.10</b>	15.08	15.08	16.20
	MID		QPSK	15.08	15.06	15.05	16.20	
	HIGH		QPSK	15.07	15.08	15.09	16.20	
	50	LOW	QPSK	15.12	15.10	15.12	16.20	
		MID	QPSK	<b>15.24</b>	15.23	15.13	16.20	
		HIGH	QPSK	15.20	15.17	15.22	16.20	
	100	LOW	QPSK	15.22	15.20	15.08	16.20	
	20	1	LOW	Q16	15.60	15.65	15.59	16.20
			MID	Q16	15.53	15.67	15.58	16.20
HIGH			Q16	15.56	<b>15.69</b>	15.55	16.20	
50		LOW	Q16	15.15	15.14	15.12	16.20	
		MID	Q16	15.23	15.21	15.16	16.20	
		HIGH	Q16	15.16	15.18	15.15	16.20	
100		LOW	Q16	15.17	15.20	15.10	16.20	
20		1	LOW	64QAM	15.13	15.32	15.30	16.20
			MID	64QAM	15.27	15.18	15.00	16.20
	HIGH		64QAM	15.19	15.29	15.01	16.20	
	50	LOW	64QAM	14.68	14.61	14.51	16.20	
		MID	64QAM	14.52	14.51	14.81	16.20	
		HIGH	64QAM	14.50	14.76	14.57	16.20	
	100	LOW	64QAM	14.95	14.70	14.43	16.20	

## 8.3.20 LTE Band66 (Ant.4) Output Power

LTE B66-State17 -Ant.4								
Bandwidth	RB Size	RB offset	Modulation	19207	19575	19943	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.58	21.63	21.45	22.50	
		MID	QPSK	21.48	21.52	21.46	22.50	
		HIGH	QPSK	21.75	21.67	21.43	22.50	
	3	LOW	QPSK	21.61	21.45	21.48	22.50	
		MID	QPSK	21.70	21.54	21.44	22.50	
		HIGH	QPSK	21.60	21.47	21.59	22.50	
	6	LOW	QPSK	21.76	21.66	21.40	22.50	
	1.4	1	LOW	Q16	22.17	<b>22.23</b>	22.09	22.50
			MID	Q16	22.10	22.05	21.78	22.50
HIGH			Q16	22.08	22.22	21.96	22.50	
3		LOW	Q16	20.76	20.58	20.70	22.50	
		MID	Q16	20.83	20.88	20.58	22.50	
		HIGH	Q16	20.69	20.79	20.84	22.50	
6		LOW	Q16	20.67	20.65	20.75	22.00	
1.4		1	LOW	64QAM	20.98	21.09	20.89	22.00
			MID	64QAM	21.12	21.05	20.77	22.00
	HIGH		64QAM	21.01	21.24	21.03	22.00	
	3	LOW	64QAM	21.22	21.22	21.02	22.00	
		MID	64QAM	21.25	21.03	20.64	22.00	
		HIGH	64QAM	21.05	21.34	20.94	22.00	
	6	LOW	64QAM	19.70	19.91	19.65	21.00	
	Bandwidth	RB Size	RB offset	Modulation	19215	19575	19935	Tune-up power(dBm)
	3	1	LOW	QPSK	21.59	21.47	21.59	22.50
MID			QPSK	21.44	21.37	21.38	22.50	
HIGH			QPSK	21.71	21.52	21.50	22.50	
8		LOW	QPSK	21.72	21.69	21.50	22.50	
		MID	QPSK	21.62	21.66	21.53	22.50	
		HIGH	QPSK	21.80	21.68	21.43	22.50	
15		LOW	QPSK	21.59	21.68	21.66	22.50	
3		1	LOW	Q16	22.00	<b>22.24</b>	21.85	22.50
			MID	Q16	21.97	22.13	22.04	22.50
	HIGH		Q16	21.86	22.10	21.95	22.50	
	8	LOW	Q16	20.59	20.69	20.54	22.00	
		MID	Q16	20.79	20.86	20.63	22.00	
		HIGH	Q16	20.71	20.87	20.82	22.00	
	15	LOW	Q16	20.79	20.85	20.63	22.00	
	3	1	LOW	64QAM	21.17	20.97	21.00	22.00
			MID	64QAM	21.15	21.15	21.06	22.00
HIGH			64QAM	21.06	21.24	21.11	22.00	
8		LOW	64QAM	19.68	19.57	19.53	21.00	
		MID	64QAM	19.72	19.82	19.63	21.00	
		HIGH	64QAM	19.77	19.88	19.77	21.00	
15		LOW	64QAM	19.92	19.83	19.51	21.00	
Bandwidth		RB Size	RB offset	Modulation	19225	19575	19925	Tune-up power(dBm)
5		1	LOW	QPSK	21.45	21.64	21.56	22.50
	MID		QPSK	21.53	21.66	21.35	22.50	
	HIGH		QPSK	21.53	21.43	21.45	22.50	
	12	LOW	QPSK	21.78	21.55	21.36	22.50	
		MID	QPSK	21.75	21.52	21.39	22.50	
		HIGH	QPSK	21.66	21.71	21.49	22.50	
	25	LOW	QPSK	21.63	21.62	21.60	22.50	
	5	1	LOW	Q16	22.03	<b>22.21</b>	22.02	22.50
			MID	Q16	22.13	21.98	21.95	22.50
HIGH			Q16	21.92	21.94	21.87	22.50	
12		LOW	Q16	20.73	20.76	20.71	22.00	
		MID	Q16	20.92	20.75	20.72	22.00	
		HIGH	Q16	20.77	20.88	20.57	22.00	
25		LOW	Q16	20.74	20.84	20.48	22.00	
5		1	LOW	64QAM	21.16	21.09	20.88	22.00
			MID	64QAM	20.88	21.09	20.91	22.00
	HIGH		64QAM	20.98	20.99	20.93	22.00	
	12	LOW	64QAM	19.60	19.80	19.57	21.00	
		MID	64QAM	19.97	19.92	19.60	21.00	
		HIGH	64QAM	19.73	19.74	19.64	21.00	
	25	LOW	64QAM	19.92	19.89	19.50	21.00	

Bandwidth	RB Size	RB offset	Modulation	19250	19575	19900	Tune-up power(dBm)	
10	1	LOW	QPSK	21.65	<b>21.70</b>	21.32	22.50	
		MID	QPSK	21.40	21.41	21.32	22.50	
		HIGH	QPSK	21.74	21.69	21.43	22.50	
	25	LOW	QPSK	21.52	21.64	21.65	22.50	
		MID	QPSK	21.82	21.71	21.46	22.50	
		HIGH	QPSK	21.75	21.73	21.65	22.50	
	50	LOW	QPSK	21.64	21.50	21.58	22.50	
	10	1	LOW	Q16	21.93	<b>22.27</b>	21.94	22.50
			MID	Q16	22.13	22.12	21.81	22.50
HIGH			Q16	21.86	22.02	21.97	22.50	
25		LOW	Q16	20.78	20.61	20.66	22.00	
		MID	Q16	20.79	20.86	20.77	22.00	
		HIGH	Q16	20.65	20.80	20.68	22.00	
50		LOW	Q16	20.77	20.65	20.75	22.00	
10		1	LOW	64QAM	20.91	21.17	20.96	22.00
			MID	64QAM	21.15	21.07	20.90	22.00
	HIGH		64QAM	20.91	21.00	20.83	22.00	
	25	LOW	64QAM	19.65	19.69	19.51	21.00	
		MID	64QAM	19.94	19.90	19.59	21.00	
		HIGH	64QAM	19.70	19.79	19.65	21.00	
	50	LOW	64QAM	19.92	19.86	19.58	21.00	
	Bandwidth	RB Size	RB offset	Modulation	19275	19575	19875	Tune-up power(dBm)
	15	1	LOW	QPSK	21.75	21.60	21.45	22.50
MID			QPSK	21.49	21.41	21.33	22.50	
HIGH			QPSK	21.60	21.66	21.63	22.50	
36		LOW	QPSK	21.69	21.51	21.40	22.50	
		MID	QPSK	21.60	21.70	21.55	22.50	
		HIGH	QPSK	21.58	21.55	21.63	22.50	
75		LOW	QPSK	21.81	21.68	21.43	22.50	
15		1	LOW	Q16	21.94	22.15	21.84	22.50
			MID	Q16	22.15	21.93	21.99	22.50
	HIGH		Q16	21.92	<b>22.23</b>	21.96	22.50	
	36	LOW	Q16	20.73	20.69	20.59	22.00	
		MID	Q16	20.96	20.95	20.61	22.00	
		HIGH	Q16	20.64	20.73	20.75	22.00	
	75	LOW	Q16	20.77	20.88	20.48	22.00	
	15	1	LOW	64QAM	20.91	21.03	20.98	22.00
			MID	64QAM	20.89	20.93	20.82	22.00
HIGH			64QAM	20.90	20.95	21.06	22.00	
36		LOW	64QAM	19.82	19.77	19.57	21.00	
		MID	64QAM	19.78	19.81	19.63	21.00	
		HIGH	64QAM	19.76	19.83	19.70	21.00	
75		LOW	64QAM	19.67	19.85	19.60	21.00	
Bandwidth		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	<b>21.71</b>	21.56	21.45	22.50
	MID		QPSK	21.55	21.51	21.43	22.50	
	HIGH		QPSK	21.61	21.55	21.49	22.50	
	50	LOW	QPSK	21.63	21.58	21.51	22.50	
		MID	QPSK	21.73	21.75	21.52	22.50	
		HIGH	QPSK	21.72	21.61	21.57	22.50	
	100	LOW	QPSK	21.70	21.62	21.51	22.50	
	20	1	LOW	Q16	22.06	<b>22.12</b>	21.99	22.50
			MID	Q16	22.00	22.07	21.92	22.50
HIGH			Q16	22.01	<b>22.09</b>	21.96	22.50	
50		LOW	Q16	20.72	20.71	20.64	22.00	
		MID	Q16	20.83	20.80	20.62	22.00	
		HIGH	Q16	20.79	20.75	20.69	22.00	
100		LOW	Q16	20.82	20.79	20.62	22.00	
20		1	LOW	64QAM	21.01	20.98	21.02	22.00
			MID	64QAM	20.90	21.21	21.01	22.00
	HIGH		64QAM	20.89	21.22	20.85	22.00	
	50	LOW	64QAM	19.84	19.61	19.56	21.00	
		MID	64QAM	19.78	19.81	19.73	21.00	
		HIGH	64QAM	19.81	19.72	19.79	21.00	
	100	LOW	64QAM	19.77	19.91	19.50	21.00	

LTE B66-State18 -Ant.4								
Bandwidth	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.46	22.42	22.21	24.00	
		MID	QPSK	<b>22.49</b>	22.43	22.23	24.00	
		HIGH	QPSK	22.41	22.41	22.19	24.00	
	3	LOW	QPSK	22.46	22.36	22.27	24.00	
		MID	QPSK	22.46	22.36	22.22	24.00	
		HIGH	QPSK	22.45	22.37	22.22	24.00	
	6	LOW	QPSK	21.53	21.45	21.24	23.00	
	1.4	1	LOW	Q16	21.71	21.82	21.27	23.00
			MID	Q16	21.72	21.89	21.49	23.00
HIGH			Q16	21.71	21.76	21.37	23.00	
3		LOW	Q16	21.70	21.63	21.49	23.00	
		MID	Q16	21.64	21.60	21.55	23.00	
		HIGH	Q16	21.68	21.59	21.44	23.00	
6		LOW	Q16	20.74	20.35	20.55	22.00	
1.4		1	LOW	64QAM	20.57	20.90	20.16	22.00
			MID	64QAM	20.85	21.01	20.55	22.00
	HIGH		64QAM	20.64	20.75	20.25	22.00	
	3	LOW	64QAM	20.55	20.78	20.39	22.00	
		MID	64QAM	20.54	20.74	20.56	22.00	
		HIGH	64QAM	20.67	20.44	20.37	22.00	
	6	LOW	64QAM	19.84	19.38	19.45	21.00	
	Bandwidth	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	<b>22.63</b>	22.27	22.32	24.00
MID			QPSK	22.48	22.32	22.35	24.00	
HIGH			QPSK	22.48	22.31	22.25	24.00	
8		LOW	QPSK	21.57	21.29	21.32	23.00	
		MID	QPSK	21.54	21.40	21.35	23.00	
		HIGH	QPSK	21.54	21.41	21.36	23.00	
15		LOW	QPSK	21.52	21.40	21.33	23.00	
3		1	LOW	Q16	21.53	21.74	21.48	23.00
			MID	Q16	21.56	21.88	21.48	23.00
	HIGH		Q16	21.46	21.82	21.40	23.00	
	8	LOW	Q16	20.69	20.42	20.42	22.00	
		MID	Q16	20.66	20.51	20.37	22.00	
		HIGH	Q16	20.67	20.50	20.39	22.00	
	15	LOW	Q16	20.57	20.51	20.35	22.00	
	3	1	LOW	64QAM	20.47	20.78	20.40	22.00
			MID	64QAM	20.56	20.91	20.53	22.00
HIGH			64QAM	20.44	20.93	20.36	22.00	
8		LOW	64QAM	19.77	19.30	19.39	21.00	
		MID	64QAM	19.73	19.48	19.51	21.00	
		HIGH	64QAM	19.54	19.44	19.49	21.00	
15		LOW	64QAM	19.53	19.41	19.23	21.00	
Bandwidth		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	22.45	22.34	22.24	24.00
	MID		QPSK	<b>22.50</b>	22.39	22.31	24.00	
	HIGH		QPSK	22.42	22.33	22.18	24.00	
	12	LOW	QPSK	21.53	21.33	21.31	23.00	
		MID	QPSK	21.56	21.43	21.36	23.00	
		HIGH	QPSK	21.53	21.41	21.26	23.00	
	25	LOW	QPSK	21.54	21.37	21.32	23.00	
	5	1	LOW	Q16	21.68	21.87	21.46	23.00
			MID	Q16	21.74	21.97	21.50	23.00
HIGH			Q16	21.68	21.84	21.41	23.00	
12		LOW	Q16	20.67	20.54	20.45	22.00	
		MID	Q16	20.65	20.61	20.44	22.00	
		HIGH	Q16	20.64	20.60	20.40	22.00	
25		LOW	Q16	20.60	20.45	20.32	22.00	
5		1	LOW	64QAM	20.54	20.88	20.36	22.00
			MID	64QAM	20.71	21.02	20.52	22.00
	HIGH		64QAM	20.79	20.82	20.56	22.00	
	12	LOW	64QAM	19.69	19.46	19.44	21.00	
		MID	64QAM	19.64	19.59	19.58	21.00	
		HIGH	64QAM	19.79	19.62	19.48	21.00	
	25	LOW	64QAM	19.55	19.37	19.39	21.00	

Bandwidth	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	<b>22.56</b>	22.33	22.34	24.00	
		MID	QPSK	22.42	22.35	22.34	24.00	
		HIGH	QPSK	22.42	22.36	22.30	24.00	
	25	LOW	QPSK	21.59	21.41	21.31	23.00	
		MID	QPSK	21.61	21.46	21.37	23.00	
		HIGH	QPSK	21.56	21.44	21.40	23.00	
	50	LOW	QPSK	21.62	21.45	21.34	23.00	
	10	1	LOW	Q16	21.52	21.87	21.40	23.00
			MID	Q16	21.48	21.82	21.34	23.00
HIGH			Q16	21.50	21.87	21.40	23.00	
25		LOW	Q16	20.67	20.44	20.45	22.00	
		MID	Q16	20.64	20.58	20.45	22.00	
		HIGH	Q16	20.63	20.51	20.50	22.00	
50		LOW	Q16	20.57	20.55	20.40	22.00	
10		1	LOW	64QAM	20.38	20.95	20.44	22.00
			MID	64QAM	20.34	20.76	20.44	22.00
	HIGH		64QAM	20.63	20.96	20.39	22.00	
	25	LOW	64QAM	19.69	19.56	19.37	21.00	
		MID	64QAM	19.64	19.63	19.47	21.00	
		HIGH	64QAM	19.56	19.53	19.59	21.00	
	50	LOW	64QAM	19.50	19.49	19.41	21.00	
	Bandwidth	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	22.42	22.34	22.39	24.00
MID			QPSK	<b>22.49</b>	22.36	22.36	24.00	
HIGH			QPSK	22.48	22.35	22.34	24.00	
36		LOW	QPSK	21.62	21.45	21.41	23.00	
		MID	QPSK	21.65	21.58	21.50	23.00	
		HIGH	QPSK	21.60	21.54	21.50	23.00	
75		LOW	QPSK	21.61	21.49	21.41	23.00	
15		1	LOW	Q16	21.44	21.91	21.92	23.00
			MID	Q16	21.53	21.83	21.90	23.00
	HIGH		Q16	21.45	21.86	22.01	23.00	
	36	LOW	Q16	20.62	20.51	20.39	22.00	
		MID	Q16	20.69	20.63	20.51	22.00	
		HIGH	Q16	20.59	20.58	20.48	22.00	
	75	LOW	Q16	20.63	20.59	20.43	22.00	
	15	1	LOW	64QAM	20.30	20.81	20.99	22.00
			MID	64QAM	20.63	20.69	20.96	22.00
HIGH			64QAM	20.60	20.98	20.88	22.00	
36		LOW	64QAM	19.63	19.52	19.39	21.00	
		MID	64QAM	19.57	19.57	19.44	21.00	
		HIGH	64QAM	19.63	19.65	19.51	21.00	
75		LOW	64QAM	19.58	19.47	19.49	21.00	
Bandwidth		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	<b>22.59</b>	22.53	22.41	24.00
	MID		QPSK	22.49	22.43	22.33	24.00	
	HIGH		QPSK	22.57	22.54	22.33	24.00	
	50	LOW	QPSK	21.59	21.46	21.43	23.00	
		MID	QPSK	21.67	21.56	21.47	23.00	
		HIGH	QPSK	21.63	21.57	21.47	23.00	
	100	LOW	QPSK	21.68	21.55	21.44	23.00	
	20	1	LOW	Q16	22.18	22.00	21.88	23.00
			MID	Q16	22.10	21.96	21.82	23.00
HIGH			Q16	22.15	21.97	21.81	23.00	
50		LOW	Q16	20.62	20.56	20.45	22.00	
		MID	Q16	20.73	20.59	20.51	22.00	
		HIGH	Q16	20.66	20.59	20.51	22.00	
100		LOW	Q16	20.72	20.62	20.44	22.00	
20		1	LOW	64QAM	21.23	20.95	20.81	22.00
			MID	64QAM	21.12	20.88	20.83	22.00
	HIGH		64QAM	21.10	20.90	20.92	22.00	
	50	LOW	64QAM	19.52	19.71	19.42	21.00	
		MID	64QAM	19.78	19.65	19.39	21.00	
		HIGH	64QAM	19.68	19.62	19.60	21.00	
	100	LOW	64QAM	19.75	19.72	19.47	21.00	

## 8.3.21 LTE Band38 (Ant.3) Output Power

LTE B38-State17 -Ant.3									
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)		
5	1	LOW	QPSK	19.49	19.26	19.36	19.70		
		MID	QPSK	19.49	19.66	19.44	19.70		
		HIGH	QPSK	19.47	19.22	19.29	19.70		
	12	LOW	QPSK	19.26	19.51	19.49	19.70		
		MID	QPSK	19.54	19.26	19.42	19.70		
		HIGH	QPSK	19.67	19.44	19.53	19.70		
	25	LOW	QPSK	19.62	19.58	19.46	19.70		
	5	1	LOW	Q16	19.29	19.30	19.39	19.70	
			MID	Q16	19.33	19.34	19.58	19.70	
HIGH			Q16	19.28	19.35	19.47	19.70		
12		LOW	Q16	19.19	19.45	19.43	19.70		
		MID	Q16	19.58	19.67	19.41	19.70		
		HIGH	Q16	19.41	19.25	19.44	19.70		
25		LOW	Q16	19.48	19.52	19.48	19.70		
5		1	LOW	64QAM	19.44	19.15	19.35	19.70	
			MID	64QAM	19.42	19.35	19.41	19.70	
	HIGH		64QAM	19.49	19.59	19.64	19.70		
	12	LOW	64QAM	19.19	19.46	19.32	19.70		
		MID	64QAM	<b>19.69</b>	19.47	19.51	19.70		
		HIGH	64QAM	19.55	19.26	19.36	19.70		
	25	LOW	64QAM	19.50	19.49	19.36	19.70		
	10	1	LOW	QPSK	19.55	19.30	19.32	19.70	
			MID	QPSK	19.42	19.50	19.49	19.70	
HIGH			QPSK	19.45	19.28	19.40	19.70		
25			LOW	QPSK	19.21	19.44	19.51	19.70	
MID			QPSK	19.54	19.41	19.34	19.70		
HIGH			QPSK	19.55	19.41	19.47	19.70		
25		LOW	QPSK	19.54	19.56	19.59	19.70		
		10	1	LOW	Q16	19.53	19.36	19.48	19.70
		MID		Q16	19.36	19.40	19.55	19.70	
		HIGH		Q16	19.22	19.57	19.56	19.70	
		25	LOW	Q16	19.25	19.27	19.46	19.70	
			MID	Q16	19.60	19.51	19.50	19.70	
HIGH			Q16	19.42	19.52	19.37	19.70		
50		LOW	Q16	19.50	19.50	19.32	19.70		
10		1	LOW	64QAM	19.52	19.26	19.51	19.70	
			MID	64QAM	19.41	19.43	19.65	19.70	
			HIGH	64QAM	19.49	<b>19.69</b>	19.58	19.70	
		25	LOW	64QAM	19.00	19.30	19.37	19.70	
			MID	64QAM	19.62	19.55	19.36	19.70	
			HIGH	64QAM	19.43	19.24	19.38	19.70	
		50	LOW	64QAM	19.30	19.47	19.31	19.70	

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	19.58	19.29	19.43	19.70	
		MID	QPSK	19.48	19.51	19.50	19.70	
		HIGH	QPSK	19.44	19.27	19.44	19.70	
	36	LOW	QPSK	19.27	19.47	19.48	19.70	
		MID	QPSK	19.63	19.40	19.42	19.70	
		HIGH	QPSK	19.66	19.36	19.61	19.70	
	75	LOW	QPSK	19.67	19.63	19.51	19.70	
	15	1	LOW	Q16	19.43	19.23	19.37	19.70
			MID	Q16	19.41	19.46	19.54	19.70
HIGH			Q16	19.34	<b>19.69</b>	19.56	19.70	
36		LOW	Q16	19.10	19.34	19.47	19.70	
		MID	Q16	19.63	19.60	19.46	19.70	
		HIGH	Q16	19.50	19.37	19.42	19.70	
75		LOW	Q16	19.45	19.59	19.36	19.70	
15		1	LOW	64QAM	19.45	19.36	19.48	19.70
			MID	64QAM	19.47	19.35	19.28	19.70
	HIGH		64QAM	19.56	19.50	19.61	19.70	
	36	LOW	64QAM	19.39	19.50	19.60	19.70	
		MID	64QAM	19.66	19.60	19.48	19.70	
		HIGH	64QAM	19.51	19.59	19.65	19.70	
	75	LOW	64QAM	19.42	19.39	19.57	19.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	19.49	19.43	19.59	19.70
MID			QPSK	19.56	19.39	19.40	19.70	
HIGH			QPSK	19.48	19.35	19.36	19.70	
50		LOW	QPSK	19.37	19.42	19.41	19.70	
		MID	QPSK	19.52	19.57	19.53	19.70	
		HIGH	QPSK	19.54	19.47	19.49	19.70	
100		LOW	QPSK	19.53	19.64	19.49	19.70	
20		1	LOW	Q16	19.45	19.35	19.47	19.70
			MID	Q16	19.38	19.35	19.42	19.70
	HIGH		Q16	19.45	19.62	19.54	19.70	
	50	LOW	Q16	19.24	19.65	19.59	19.70	
		MID	Q16	19.67	19.55	19.57	19.70	
		HIGH	Q16	19.64	19.48	19.51	19.70	
	100	LOW	Q16	19.68	19.53	19.51	19.70	
	20	1	LOW	64QAM	19.54	19.27	19.56	19.70
			MID	64QAM	19.27	19.34	19.27	19.70
HIGH			64QAM	19.40	19.54	19.43	19.70	
50		LOW	64QAM	19.37	19.67	<b>19.69</b>	19.70	
		MID	64QAM	19.60	19.67	19.68	19.70	
		HIGH	64QAM	19.58	19.44	19.66	19.70	
100		LOW	64QAM	19.62	19.56	19.36	19.70	

LTE B38-State18 -Ant.3								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	<b>18.39</b>	18.24	18.27	18.40	
		MID	QPSK	18.27	18.07	18.21	18.40	
		HIGH	QPSK	18.05	18.09	18.15	18.40	
	12	LOW	QPSK	18.36	18.22	18.32	18.40	
		MID	QPSK	18.23	18.17	17.95	18.40	
		HIGH	QPSK	18.15	18.00	18.18	18.40	
	25	LOW	QPSK	18.07	18.38	18.37	18.40	
	5	1	LOW	Q16	18.25	18.15	18.29	18.40
			MID	Q16	18.31	18.06	18.24	18.40
HIGH			Q16	<b>18.39</b>	17.98	18.34	18.40	
12		LOW	Q16	18.00	18.05	18.05	18.40	
		MID	Q16	18.21	18.27	18.23	18.40	
		HIGH	Q16	18.35	18.30	18.27	18.40	
25		LOW	Q16	18.35	18.29	18.27	18.40	
5		1	LOW	64QAM	18.11	18.24	18.31	18.40
			MID	64QAM	18.07	18.12	18.33	18.40
	HIGH		64QAM	18.13	18.10	18.07	18.40	
	12	LOW	64QAM	18.09	18.05	18.13	18.40	
		MID	64QAM	18.28	18.29	18.25	18.40	
		HIGH	64QAM	18.27	18.30	18.29	18.40	
	25	LOW	64QAM	18.29	18.31	18.36	18.40	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	18.37	18.12	18.25	18.40
MID			QPSK	<b>18.38</b>	18.04	18.23	18.40	
HIGH			QPSK	18.28	18.14	17.99	18.40	
25		LOW	QPSK	18.25	18.32	18.10	18.40	
		MID	QPSK	18.34	18.36	18.16	18.40	
		HIGH	QPSK	18.15	18.23	18.04	18.40	
50	LOW	QPSK	18.36	18.27	18.20	18.40		
10	1	LOW	Q16	18.13	18.21	18.19	18.40	
		MID	Q16	18.10	18.22	18.22	18.40	
		HIGH	Q16	18.26	17.97	18.14	18.40	
	25	LOW	Q16	18.06	18.02	18.04	18.40	
		MID	Q16	18.17	18.27	18.21	18.40	
		HIGH	Q16	18.24	18.18	<b>18.38</b>	18.40	
50	LOW	Q16	18.18	18.35	18.36	18.40		
10	1	LOW	64QAM	18.29	17.98	18.08	18.40	
		MID	64QAM	18.17	18.04	18.22	18.40	
		HIGH	64QAM	18.31	18.18	18.19	18.40	
	25	LOW	64QAM	18.04	18.01	17.96	18.40	
		MID	64QAM	18.22	18.25	18.23	18.40	
		HIGH	64QAM	18.28	18.25	18.24	18.40	
	50	LOW	64QAM	18.27	18.20	18.31	18.40	



Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	18.28	18.23	18.34	18.40	
		MID	QPSK	18.08	18.22	18.10	18.40	
		HIGH	QPSK	18.24	18.09	18.14	18.40	
	36	LOW	QPSK	18.24	18.28	18.28	18.40	
		MID	QPSK	18.21	18.30	18.09	18.40	
		HIGH	QPSK	18.36	18.09	18.18	18.40	
	75	LOW	QPSK	18.20	18.08	18.21	18.40	
	15	1	LOW	Q16	18.21	18.18	18.29	18.40
			MID	Q16	18.31	17.96	18.07	18.40
HIGH			Q16	18.38	18.03	18.34	18.40	
36		LOW	Q16	18.11	18.09	18.02	18.40	
		MID	Q16	18.36	18.34	<b>18.39</b>	18.40	
		HIGH	Q16	18.18	18.19	18.28	18.40	
75		LOW	Q16	18.34	18.35	18.36	18.40	
15		1	LOW	64QAM	18.34	18.01	18.24	18.40
			MID	64QAM	18.19	18.25	18.13	18.40
	HIGH		64QAM	18.34	18.15	18.15	18.40	
	36	LOW	64QAM	18.22	17.89	18.04	18.40	
		MID	64QAM	18.37	18.27	18.28	18.40	
		HIGH	64QAM	18.36	18.36	18.27	18.40	
	75	LOW	64QAM	18.24	18.23	18.28	18.40	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	18.32	18.37	18.27	18.40
MID			QPSK	18.36	18.18	18.20	18.40	
HIGH			QPSK	18.31	18.12	18.14	18.40	
50		LOW	QPSK	18.37	18.21	18.18	18.40	
		MID	QPSK	18.36	<b>18.38</b>	18.07	18.40	
		HIGH	QPSK	18.35	18.12	18.03	18.40	
100		LOW	QPSK	18.21	18.35	18.30	18.40	
20		1	LOW	Q16	18.24	18.12	18.34	18.40
			MID	Q16	18.22	18.10	18.20	18.40
	HIGH		Q16	18.27	18.12	18.21	18.40	
	50	LOW	Q16	18.09	18.04	18.07	18.40	
		MID	Q16	18.35	18.37	<b>18.38</b>	18.40	
		HIGH	Q16	18.29	18.33	18.34	18.40	
	100	LOW	Q16	18.32	18.34	18.34	18.40	
	20	1	LOW	64QAM	18.35	18.12	18.27	18.40
			MID	64QAM	18.36	18.15	18.14	18.40
HIGH			64QAM	18.14	18.24	18.18	18.40	
50		LOW	64QAM	17.95	18.12	17.98	18.40	
		MID	64QAM	18.31	18.34	18.31	18.40	
		HIGH	64QAM	18.34	18.30	18.25	18.40	
100		LOW	64QAM	18.28	18.24	<b>18.38</b>	18.40	

## 8.3.22 LTE Band38 (Ant.4) Output Power

LTE B38-State17 -Ant.4									
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)		
5	1	LOW	QPSK	21.23	21.15	20.97	22.50		
		MID	QPSK	21.20	21.14	21.07	22.50		
		HIGH	QPSK	21.27	20.90	21.16	22.50		
	12	LOW	QPSK	21.40	21.32	21.21	22.50		
		MID	QPSK	21.30	21.25	21.33	22.50		
		HIGH	QPSK	21.40	21.03	21.07	22.50		
	25	LOW	QPSK	21.42	21.32	21.28	22.50		
	5	1	LOW	Q16	21.47	21.45	21.42	22.50	
			MID	Q16	<b>21.67</b>	21.50	21.47	22.50	
HIGH			Q16	21.66	21.44	21.39	22.50		
12		LOW	Q16	21.42	21.40	21.12	22.50		
		MID	Q16	21.43	21.42	21.35	22.50		
		HIGH	Q16	21.25	21.20	21.34	22.50		
25		LOW	Q16	21.44	21.32	21.35	22.50		
5		1	LOW	64QAM	21.22	21.05	20.95	22.50	
			MID	64QAM	21.19	20.91	21.10	22.50	
	HIGH		64QAM	21.12	21.07	20.81	22.50		
	12	LOW	64QAM	20.89	21.05	20.62	21.50		
		MID	64QAM	20.87	20.80	20.56	21.50		
		HIGH	64QAM	20.66	20.79	20.79	21.50		
	25	LOW	64QAM	20.90	20.68	20.81	21.50		
	10	10	1	LOW	QPSK	21.09	21.10	21.10	22.50
				MID	QPSK	21.07	20.99	20.92	22.50
HIGH				QPSK	21.28	21.11	21.02	22.50	
25			LOW	QPSK	21.43	21.23	21.34	22.50	
			MID	QPSK	21.37	21.23	21.22	22.50	
			HIGH	QPSK	21.37	21.09	21.19	22.50	
50			LOW	QPSK	21.21	21.35	21.06	22.50	
10			1	LOW	Q16	<b>21.68</b>	21.59	21.66	22.50
				MID	Q16	21.56	21.59	21.51	22.50
		HIGH		Q16	21.63	21.54	21.43	22.50	
		25	LOW	Q16	21.42	21.39	21.14	22.50	
			MID	Q16	21.46	21.26	21.29	22.50	
			HIGH	Q16	21.31	21.26	21.27	22.50	
		50	LOW	Q16	21.51	21.20	21.34	22.50	
		10	1	LOW	64QAM	21.27	20.84	20.76	22.50
				MID	64QAM	21.13	20.76	20.95	22.50
HIGH				64QAM	21.22	21.04	20.83	22.50	
25			LOW	64QAM	21.04	20.83	20.77	21.50	
			MID	64QAM	20.83	20.75	20.82	21.50	
			HIGH	64QAM	20.65	20.85	20.74	21.50	
50			LOW	64QAM	20.99	20.76	20.73	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	21.33	21.28	21.20	22.50	
		MID	QPSK	21.11	21.19	21.00	22.50	
		HIGH	QPSK	21.11	20.96	20.92	22.50	
	36	LOW	QPSK	21.35	21.42	21.11	22.50	
		MID	QPSK	21.46	21.36	21.36	22.50	
		HIGH	QPSK	21.19	21.30	21.07	22.50	
	75	LOW	QPSK	21.37	21.10	21.24	22.50	
	15	1	LOW	Q16	21.57	<b>21.68</b>	21.59	22.50
			MID	Q16	21.66	21.38	21.50	22.50
HIGH			Q16	21.40	21.48	21.62	22.50	
36		LOW	Q16	21.20	21.22	21.34	22.50	
		MID	Q16	21.36	21.34	21.12	22.50	
		HIGH	Q16	21.19	21.16	21.34	22.50	
75		LOW	Q16	21.22	21.42	21.18	22.50	
15		1	LOW	64QAM	21.15	20.85	20.85	22.50
			MID	64QAM	21.06	20.87	20.97	22.50
	HIGH		64QAM	21.11	21.01	20.85	22.50	
	36	LOW	64QAM	20.80	20.88	20.82	21.50	
		MID	64QAM	20.75	20.81	20.66	21.50	
		HIGH	64QAM	20.76	20.82	20.81	21.50	
	75	LOW	64QAM	20.92	20.59	20.67	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	21.21	21.14	21.08	22.50
MID			QPSK	21.17	21.06	21.07	22.50	
HIGH			QPSK	21.17	21.04	21.01	22.50	
50		LOW	QPSK	21.34	21.29	21.24	22.50	
		MID	QPSK	21.34	21.22	21.36	22.50	
		HIGH	QPSK	21.30	21.18	21.20	22.50	
100		LOW	QPSK	21.31	21.20	21.19	22.50	
20		1	LOW	Q16	<b>21.59</b>	21.54	21.54	22.50
			MID	Q16	21.57	21.52	21.51	22.50
	HIGH		Q16	21.53	21.52	21.47	22.50	
	50	LOW	Q16	21.34	21.37	21.26	22.50	
		MID	Q16	21.33	21.27	21.26	22.50	
		HIGH	Q16	21.30	21.24	21.24	22.50	
	100	LOW	Q16	21.37	21.28	21.25	22.50	
	20	1	LOW	64QAM	21.16	20.90	20.91	22.50
			MID	64QAM	21.20	20.90	21.01	22.50
HIGH			64QAM	21.18	21.15	20.87	22.50	
50		LOW	64QAM	20.90	20.91	20.76	21.50	
		MID	64QAM	20.89	20.73	20.69	21.50	
		HIGH	64QAM	20.69	20.80	20.67	21.50	
100		LOW	64QAM	20.86	20.71	20.66	21.50	

LTE B38-State18 -Ant.4								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	22.84	22.73	22.69	24.50	
		MID	QPSK	<b>22.89</b>	22.81	22.76	24.50	
		HIGH	QPSK	22.82	22.79	22.68	24.50	
	12	LOW	QPSK	21.85	21.72	21.75	23.50	
		MID	QPSK	21.89	21.79	21.82	23.50	
		HIGH	QPSK	21.83	21.83	21.79	23.50	
	25	LOW	QPSK	21.89	21.82	21.84	23.50	
	5	1	LOW	Q16	22.09	22.18	21.99	23.50
			MID	Q16	22.17	22.33	22.07	23.50
HIGH			Q16	22.11	22.26	22.02	23.50	
12		LOW	Q16	20.86	20.87	20.81	22.50	
		MID	Q16	20.94	20.92	20.87	22.50	
		HIGH	Q16	20.88	20.97	20.86	22.50	
25		LOW	Q16	20.94	20.77	20.80	22.50	
5		1	LOW	64QAM	21.14	21.17	20.90	22.50
			MID	64QAM	21.28	21.30	20.99	22.50
	HIGH		64QAM	20.98	21.12	21.09	22.50	
	12	LOW	64QAM	19.91	19.90	19.87	21.50	
		MID	64QAM	19.84	20.03	19.76	21.50	
		HIGH	64QAM	19.95	20.11	19.79	21.50	
	25	LOW	64QAM	19.90	19.76	19.82	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	22.83	22.76	22.84	24.50
MID			QPSK	22.69	22.75	22.79	24.50	
HIGH			QPSK	<b>22.86</b>	22.76	22.77	24.50	
25		LOW	QPSK	21.84	21.81	21.81	23.50	
		MID	QPSK	21.93	21.84	21.83	23.50	
		HIGH	QPSK	21.95	21.90	21.87	23.50	
50	LOW	QPSK	21.92	21.81	21.81	23.50		
10	1	LOW	Q16	22.16	22.30	22.12	23.50	
		MID	Q16	22.16	22.30	22.10	23.50	
		HIGH	Q16	22.20	22.28	22.19	23.50	
	25	LOW	Q16	20.89	20.87	20.86	22.50	
		MID	Q16	20.98	20.86	20.84	22.50	
		HIGH	Q16	20.97	20.91	20.93	22.50	
50	LOW	Q16	20.91	20.87	20.86	22.50		
10	1	LOW	64QAM	21.03	21.24	21.02	22.50	
		MID	64QAM	21.13	21.45	21.25	22.50	
		HIGH	64QAM	21.16	21.39	21.25	22.50	
	25	LOW	64QAM	19.75	19.78	19.92	21.50	
		MID	64QAM	19.92	19.90	19.82	21.50	
		HIGH	64QAM	20.11	19.92	19.89	21.50	
	50	LOW	64QAM	19.89	19.93	19.87	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	22.72	22.70	22.74	24.50	
		MID	QPSK	22.72	<b>22.75</b>	22.65	24.50	
		HIGH	QPSK	<b>22.75</b>	22.70	22.62	24.50	
	36	LOW	QPSK	21.88	21.87	21.90	23.50	
		MID	QPSK	21.93	21.83	21.88	23.50	
		HIGH	QPSK	21.90	21.89	21.84	23.50	
	75	LOW	QPSK	21.93	21.80	21.87	23.50	
	15	1	LOW	Q16	22.08	22.14	22.05	23.50
			MID	Q16	22.12	22.23	22.08	23.50
HIGH			Q16	22.04	22.23	22.00	23.50	
36		LOW	Q16	20.89	20.86	20.89	22.50	
		MID	Q16	20.98	20.86	20.88	22.50	
		HIGH	Q16	20.94	20.92	20.84	22.50	
75		LOW	Q16	20.95	20.88	20.86	22.50	
15		1	LOW	64QAM	21.11	21.23	20.92	22.50
			MID	64QAM	21.08	21.28	21.02	22.50
	HIGH		64QAM	21.14	21.16	21.15	22.50	
	36	LOW	64QAM	19.98	19.86	19.78	21.50	
		MID	64QAM	20.09	19.87	19.89	21.50	
		HIGH	64QAM	19.96	19.81	19.91	21.50	
	75	LOW	64QAM	20.03	19.76	19.72	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	22.63	22.69	22.73	24.50
MID			QPSK	22.68	22.69	22.75	24.50	
HIGH			QPSK	22.75	<b>22.81</b>	22.77	24.50	
50		LOW	QPSK	21.90	21.87	21.81	23.50	
		MID	QPSK	21.96	21.84	21.90	23.50	
		HIGH	QPSK	21.94	21.97	21.88	23.50	
100		LOW	QPSK	21.96	21.83	21.90	23.50	
20		1	LOW	Q16	22.21	22.14	22.21	23.50
			MID	Q16	22.17	22.06	22.13	23.50
	HIGH		Q16	22.16	22.01	22.23	23.50	
	50	LOW	Q16	20.89	20.91	20.87	22.50	
		MID	Q16	20.98	20.90	20.97	22.50	
		HIGH	Q16	20.95	20.94	20.93	22.50	
	100	LOW	Q16	20.95	20.88	20.89	22.50	
	20	1	LOW	64QAM	21.20	21.23	21.07	22.50
			MID	64QAM	21.12	21.19	21.19	22.50
HIGH			64QAM	21.31	21.12	21.33	22.50	
50		LOW	64QAM	20.03	19.78	19.73	21.50	
		MID	64QAM	19.84	19.95	20.04	21.50	
		HIGH	64QAM	19.86	20.03	20.08	21.50	
100		LOW	64QAM	19.91	19.74	19.77	21.50	

## 8.3.23 LTE Band41 (Ant.3) Output Power

LTE B41-Full Power -Ant.3 (Class3)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.10	22.98	22.76	22.62	22.52	23.50	
		MID	QPSK	23.11	23.11	22.86	22.65	22.61	23.50	
		HIGH	QPSK	23.14	23.05	22.79	22.62	22.51	23.50	
	12	LOW	QPSK	23.16	23.09	22.72	22.64	22.62	23.50	
		MID	QPSK	23.17	23.11	22.87	22.82	22.70	23.50	
		HIGH	QPSK	23.16	23.06	22.84	22.69	22.62	23.50	
	25	LOW	QPSK	23.11	23.05	22.76	22.62	22.64	23.50	
	5	1	LOW	Q16	23.42	23.31	23.16	22.96	22.87	23.50
			MID	Q16	<b>23.50</b>	23.45	23.31	23.09	23.01	23.50
HIGH			Q16	23.45	23.29	23.21	22.97	22.90	23.50	
12		LOW	Q16	22.14	22.10	21.90	21.71	21.63	22.50	
		MID	Q16	22.20	22.15	22.02	21.85	21.78	22.50	
		HIGH	Q16	22.15	22.07	21.97	21.74	21.71	22.50	
25		LOW	Q16	22.14	22.11	21.82	21.66	21.66	22.50	
5		1	LOW	64QAM	22.39	22.30	22.31	22.05	21.81	22.50
			MID	64QAM	22.48	22.40	22.34	21.95	22.08	22.50
	HIGH		64QAM	22.32	22.44	22.14	21.84	21.90	22.50	
	12	LOW	64QAM	21.02	21.00	20.88	20.75	20.49	21.50	
		MID	64QAM	21.34	21.14	21.10	20.70	20.91	21.50	
		HIGH	64QAM	21.24	20.93	20.83	20.70	20.62	21.50	
	25	LOW	64QAM	21.14	21.02	20.74	20.78	20.81	21.50	
	10	1	LOW	QPSK	22.99	23.00	22.76	22.75	22.66	23.50
			MID	QPSK	23.05	22.94	22.79	22.77	22.61	23.50
HIGH			QPSK	23.08	22.97	22.80	22.74	22.61	23.50	
25		LOW	QPSK	23.14	23.10	22.86	22.76	22.68	23.50	
		MID	QPSK	23.23	23.12	22.81	22.71	22.71	23.50	
		HIGH	QPSK	23.15	23.05	22.89	22.75	22.66	23.50	
50		LOW	QPSK	23.15	23.10	22.81	22.68	22.66	23.50	
10		1	LOW	Q16	23.38	23.31	23.33	23.14	22.99	23.50
			MID	Q16	23.38	23.28	23.34	23.11	22.96	23.50
	HIGH		Q16	<b>23.47</b>	23.31	23.32	23.10	23.12	23.50	
	25	LOW	Q16	22.22	22.13	21.84	21.77	21.75	22.50	
		MID	Q16	22.21	22.14	21.86	21.81	21.73	22.50	
		HIGH	Q16	22.22	22.10	21.91	21.83	21.75	22.50	
	50	LOW	Q16	22.16	22.11	21.85	21.77	21.71	22.50	
	10	1	LOW	64QAM	22.46	22.22	22.22	22.27	21.94	22.50
			MID	64QAM	22.23	22.33	22.21	22.09	22.00	22.50
HIGH			64QAM	22.45	22.18	22.30	22.13	22.19	22.50	
25		LOW	64QAM	21.16	20.99	20.94	20.67	20.80	21.50	
		MID	64QAM	21.17	21.15	21.01	20.77	20.75	21.50	
		HIGH	64QAM	21.20	21.18	20.84	20.74	20.71	21.50	
50		LOW	64QAM	21.13	21.11	20.89	20.80	20.58	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	22.94	22.91	22.73	22.72	22.59	23.50	
		MID	QPSK	22.96	22.85	22.72	22.71	22.56	23.50	
		HIGH	QPSK	22.93	22.94	22.79	22.71	22.57	23.50	
	36	LOW	QPSK	23.05	23.09	22.80	22.73	22.59	23.50	
		MID	QPSK	23.15	23.06	22.81	22.69	22.64	23.50	
		HIGH	QPSK	23.12	23.04	22.87	22.77	22.63	23.50	
	75	LOW	QPSK	23.13	23.07	22.79	22.70	22.59	23.50	
	15	1	LOW	Q16	<b>23.32</b>	23.25	23.27	23.07	22.87	23.50
			MID	Q16	23.29	23.24	23.23	23.05	22.93	23.50
HIGH			Q16	23.27	23.29	23.31	23.12	22.94	23.50	
36		LOW	Q16	22.07	22.08	21.81	21.78	21.64	22.50	
		MID	Q16	22.15	22.07	21.76	21.77	21.71	22.50	
		HIGH	Q16	22.10	22.06	21.81	21.79	21.68	22.50	
75		LOW	Q16	22.10	22.06	21.78	21.74	21.60	22.50	
15		1	LOW	64QAM	22.32	22.27	22.36	22.09	21.97	22.50
			MID	64QAM	22.28	22.10	22.20	21.99	21.80	22.50
	HIGH		64QAM	22.19	22.20	22.16	22.12	21.97	22.50	
	36	LOW	64QAM	21.05	21.18	20.80	20.63	20.50	21.50	
		MID	64QAM	21.03	20.99	20.71	20.85	20.75	21.50	
		HIGH	64QAM	20.96	21.09	20.80	20.89	20.69	21.50	
	75	LOW	64QAM	21.11	20.94	20.84	20.67	20.66	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	22.90	22.93	22.99	22.84	22.62	23.50
MID			QPSK	22.96	22.92	22.66	22.69	22.58	23.50	
HIGH			QPSK	22.95	22.91	22.78	22.80	22.63	23.50	
50		LOW	QPSK	23.06	23.09	22.81	22.77	22.62	23.50	
		MID	QPSK	23.12	23.09	23.18	22.77	22.61	23.50	
		HIGH	QPSK	23.11	23.05	22.87	22.80	22.67	23.50	
100		LOW	QPSK	23.16	23.09	22.79	22.74	22.60	23.50	
20		1	LOW	Q16	23.25	23.27	23.02	23.27	23.02	23.50
			MID	Q16	<b>23.32</b>	23.26	22.91	23.11	22.92	23.50
	HIGH		Q16	23.30	23.25	22.95	23.27	23.06	23.50	
	50	LOW	Q16	22.06	22.07	21.87	21.83	21.68	22.50	
		MID	Q16	22.13	22.08	21.83	21.82	21.66	22.50	
		HIGH	Q16	22.12	22.03	21.88	21.87	21.71	22.50	
	100	LOW	Q16	22.13	22.07	21.80	21.75	21.58	22.50	
	20	1	LOW	64QAM	22.32	22.13	22.15	22.21	21.95	22.50
			MID	64QAM	22.20	22.22	21.82	22.23	22.03	22.50
HIGH			64QAM	22.40	22.10	21.80	22.17	22.02	22.50	
50		LOW	64QAM	20.94	20.97	20.84	20.71	20.83	21.50	
		MID	64QAM	21.00	21.01	20.78	20.93	20.58	21.50	
		HIGH	64QAM	21.05	20.94	20.86	20.91	20.73	21.50	
100		LOW	64QAM	21.03	21.14	20.83	20.88	20.63	21.50	

LTE B41-State17 -Ant.3										
Bandwidth	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	20.78	20.77	20.56	20.35	20.25	21.00	
		MID	QPSK	20.73	20.83	20.64	20.41	20.34	21.00	
		HIGH	QPSK	20.72	20.74	20.58	20.34	20.25	21.00	
	12	LOW	QPSK	20.80	20.78	20.50	20.36	20.30	21.00	
		MID	QPSK	20.83	20.84	20.63	20.53	20.40	21.00	
		HIGH	QPSK	20.80	20.78	20.59	20.48	20.39	21.00	
	25	LOW	QPSK	20.73	20.76	20.53	20.47	20.32	21.00	
	5	1	LOW	Q16	20.80	20.75	20.85	20.65	20.57	21.00
			MID	Q16	20.67	20.73	20.74	20.76	20.68	21.00
HIGH			Q16	20.73	20.78	20.82	20.56	20.55	21.00	
12		LOW	Q16	20.81	20.79	20.66	20.38	20.34	21.00	
		MID	Q16	20.84	<b>20.89</b>	20.81	20.57	20.40	21.00	
		HIGH	Q16	20.80	20.75	20.73	20.40	20.43	21.00	
25		LOW	Q16	20.85	20.86	20.62	20.44	20.27	21.00	
5		1	LOW	64QAM	19.98	19.96	19.67	20.03	19.76	21.00
			MID	64QAM	19.99	20.08	19.61	19.68	19.68	21.00
	HIGH		64QAM	20.00	19.95	19.74	19.62	19.59	21.00	
	12	LOW	64QAM	19.74	20.00	19.63	19.57	19.32	21.00	
		MID	64QAM	19.62	19.98	19.78	19.35	19.59	21.00	
		HIGH	64QAM	19.73	19.77	19.58	19.37	19.60	21.00	
	25	LOW	64QAM	19.98	20.05	19.59	19.44	19.32	21.00	
	Bandwidth	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	20.70	20.65	20.57	20.49	20.43	21.00
MID			QPSK	20.63	20.69	20.55	20.50	20.32	21.00	
HIGH			QPSK	20.68	20.67	20.52	20.46	20.36	21.00	
25		LOW	QPSK	20.82	20.83	20.61	20.41	20.32	21.00	
		MID	QPSK	20.85	20.83	20.61	20.52	20.38	21.00	
		HIGH	QPSK	20.77	20.78	20.65	20.52	20.41	21.00	
50		LOW	QPSK	20.82	20.81	20.59	20.52	20.35	21.00	
10		1	LOW	Q16	20.85	20.71	20.72	20.80	20.69	21.00
			MID	Q16	20.63	20.86	20.73	20.78	20.71	21.00
	HIGH		Q16	<b>20.94</b>	20.67	20.69	20.82	20.70	21.00	
	25	LOW	Q16	20.91	20.86	20.65	20.46	20.38	21.00	
		MID	Q16	20.85	20.85	20.59	20.57	20.42	21.00	
		HIGH	Q16	20.87	20.81	20.65	20.51	20.44	21.00	
	50	LOW	Q16	20.80	20.80	20.65	20.51	20.37	21.00	
	10	1	LOW	64QAM	20.04	20.13	19.86	20.04	19.66	21.00
			MID	64QAM	19.90	20.10	19.58	19.55	19.58	21.00
HIGH			64QAM	20.16	19.97	19.76	19.80	19.77	21.00	
25		LOW	64QAM	19.68	19.86	19.70	19.54	19.26	21.00	
		MID	64QAM	19.87	19.81	19.74	19.37	19.49	21.00	
		HIGH	64QAM	19.80	19.64	19.70	19.64	19.54	21.00	
50		LOW	64QAM	19.81	19.95	19.68	19.62	19.42	21.00	



Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	20.59	20.62	20.60	20.42	20.28	21.00	
		MID	QPSK	20.56	20.60	20.50	20.35	20.21	21.00	
		HIGH	QPSK	20.59	20.64	20.61	20.35	20.34	21.00	
	36	LOW	QPSK	20.84	20.71	20.59	20.41	20.29	21.00	
		MID	QPSK	20.77	20.79	20.55	20.39	20.35	21.00	
		HIGH	QPSK	20.79	20.80	20.61	20.43	20.33	21.00	
	75	LOW	QPSK	20.80	20.77	20.55	20.33	20.38	21.00	
	15	1	LOW	Q16	20.96	20.96	20.86	20.71	20.57	21.00
			MID	Q16	20.96	20.98	20.94	20.70	20.55	21.00
HIGH			Q16	20.85	20.99	20.67	20.69	20.62	21.00	
36		LOW	Q16	20.80	20.74	20.57	20.48	20.32	21.00	
		MID	Q16	20.79	20.83	20.58	20.43	20.43	21.00	
		HIGH	Q16	20.85	20.76	20.64	20.50	20.39	21.00	
75		LOW	Q16	20.82	20.81	20.52	20.42	20.36	21.00	
15		1	LOW	64QAM	19.74	19.93	19.79	19.92	19.87	21.00
			MID	64QAM	20.08	19.78	19.68	19.92	19.67	21.00
	HIGH		64QAM	19.92	19.91	19.89	19.94	19.82	21.00	
	36	LOW	64QAM	19.67	19.91	19.64	19.50	19.35	21.00	
		MID	64QAM	19.95	19.97	19.82	19.42	19.44	21.00	
		HIGH	64QAM	19.85	19.66	19.62	19.49	19.33	21.00	
	75	LOW	64QAM	19.83	19.79	19.70	19.38	19.27	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	20.65	20.60	20.71	20.54	20.36	21.00
MID			QPSK	20.64	20.62	20.48	20.39	20.21	21.00	
HIGH			QPSK	20.64	20.60	20.57	20.45	20.31	21.00	
50		LOW	QPSK	20.79	20.74	20.63	20.48	20.28	21.00	
		MID	QPSK	20.81	20.82	20.59	20.44	20.34	21.00	
		HIGH	QPSK	20.78	20.79	20.83	20.46	20.33	21.00	
100		LOW	QPSK	20.80	20.79	20.60	20.44	20.35	21.00	
20		1	LOW	Q16	20.82	20.79	20.85	20.91	20.74	21.00
			MID	Q16	20.95	20.85	20.81	20.79	20.63	21.00
	HIGH		Q16	20.78	20.87	20.82	20.84	20.79	21.00	
	50	LOW	Q16	20.82	20.79	20.64	20.53	20.33	21.00	
		MID	Q16	20.83	20.83	20.67	20.50	20.43	21.00	
		HIGH	Q16	20.82	20.80	20.67	20.52	20.43	21.00	
	100	LOW	Q16	20.83	20.81	20.62	20.41	20.38	21.00	
	20	1	LOW	64QAM	19.89	19.99	19.78	19.89	19.69	21.00
			MID	64QAM	20.00	20.13	19.66	19.64	19.58	21.00
HIGH			64QAM	20.08	19.98	19.81	19.70	19.65	21.00	
50		LOW	64QAM	19.75	19.90	19.57	19.58	19.37	21.00	
		MID	64QAM	19.75	19.87	19.70	19.39	19.58	21.00	
		HIGH	64QAM	19.70	19.76	19.69	19.50	19.47	21.00	
100		LOW	64QAM	19.83	19.94	19.71	19.56	19.40	21.00	

LTE B41-State18 -Ant.3										
Bandwidth	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	19.17	19.22	18.91	18.77	18.67	19.30	
		MID	QPSK	19.22	19.26	19.10	18.84	18.74	19.30	
		HIGH	QPSK	19.15	19.14	19.02	18.76	18.66	19.30	
	12	LOW	QPSK	19.19	19.18	18.98	18.80	18.69	19.30	
		MID	QPSK	19.23	19.29	19.10	18.96	18.75	19.30	
		HIGH	QPSK	19.17	19.22	19.02	18.83	18.78	19.30	
	25	LOW	QPSK	19.14	19.16	18.97	18.89	18.70	19.30	
	5	1	LOW	Q16	19.18	19.14	18.82	19.07	18.96	19.30
			MID	Q16	19.20	19.02	19.16	19.18	19.10	19.30
HIGH			Q16	19.05	19.29	18.87	19.05	18.93	19.30	
12		LOW	Q16	19.24	19.24	19.10	18.79	18.79	19.30	
		MID	Q16	19.26	19.30	19.25	18.99	18.81	19.30	
		HIGH	Q16	19.21	19.24	19.16	18.91	18.81	19.30	
25		LOW	Q16	19.25	19.23	19.00	18.88	18.70	19.30	
5		1	LOW	64QAM	18.88	18.97	19.00	18.93	18.84	19.30
			MID	64QAM	18.89	19.04	19.03	18.92	18.64	19.30
	HIGH		64QAM	18.92	19.03	18.86	19.01	18.87	19.30	
	12	LOW	64QAM	19.15	19.02	19.04	18.95	18.84	19.30	
		MID	64QAM	19.11	19.13	18.86	18.97	18.82	19.30	
		HIGH	64QAM	19.21	19.11	19.07	18.84	18.91	19.30	
	25	LOW	64QAM	19.27	19.14	19.12	18.78	18.92	19.30	
	10	1	LOW	QPSK	19.12	19.09	18.98	18.93	18.75	19.30
			MID	QPSK	19.08	19.08	18.97	18.87	18.79	19.30
HIGH			QPSK	19.15	19.13	19.00	18.89	18.76	19.30	
25		LOW	QPSK	19.21	19.26	19.03	18.86	18.74	19.30	
		MID	QPSK	19.22	19.27	19.07	18.96	18.75	19.30	
		HIGH	QPSK	19.20	19.23	19.13	18.92	18.81	19.30	
50		LOW	QPSK	19.21	19.26	19.06	18.94	18.72	19.30	
10		1	LOW	Q16	19.08	19.20	18.99	19.22	19.10	19.30
			MID	Q16	18.97	18.94	19.04	19.19	19.09	19.30
	HIGH		Q16	19.10	19.08	18.87	19.18	19.14	19.30	
	25	LOW	Q16	19.19	19.25	19.20	18.93	18.77	19.30	
		MID	Q16	19.30	19.19	18.92	18.96	18.81	19.30	
		HIGH	Q16	19.27	19.28	19.11	18.96	18.88	19.30	
	50	LOW	Q16	19.21	19.25	19.08	18.94	18.77	19.30	
	10	1	LOW	64QAM	19.06	19.14	18.90	18.85	18.92	19.30
			MID	64QAM	19.16	19.13	18.96	18.89	18.66	19.30
HIGH			64QAM	19.03	19.02	18.88	18.86	18.71	19.30	
25		LOW	64QAM	18.95	19.20	19.14	18.75	18.86	19.30	
		MID	64QAM	19.24	19.23	19.00	18.82	18.82	19.30	
		HIGH	64QAM	19.16	19.17	19.09	18.77	18.81	19.30	
50		LOW	64QAM	19.19	19.21	19.12	18.70	18.83	19.30	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	18.99	19.04	18.93	18.89	18.76	19.30	
		MID	QPSK	19.01	19.01	18.88	18.75	18.69	19.30	
		HIGH	QPSK	18.97	19.09	19.01	18.84	18.73	19.30	
	36	LOW	QPSK	19.19	19.15	19.01	18.86	18.71	19.30	
		MID	QPSK	19.16	19.22	19.00	18.77	18.77	19.30	
		HIGH	QPSK	19.15	19.21	19.04	18.88	18.78	19.30	
	75	LOW	QPSK	19.17	19.21	18.94	18.77	18.80	19.30	
	15	1	LOW	Q16	19.13	19.00	19.09	19.15	19.02	19.30
			MID	Q16	18.94	19.21	19.04	19.13	19.03	19.30
HIGH			Q16	18.92	19.09	18.82	19.15	19.09	19.30	
36		LOW	Q16	19.17	19.18	19.01	18.88	18.79	19.30	
		MID	Q16	19.16	19.22	18.98	18.87	18.84	19.30	
		HIGH	Q16	19.15	19.22	19.06	18.88	18.83	19.30	
75		LOW	Q16	19.19	19.20	18.98	18.83	18.77	19.30	
15		1	LOW	64QAM	19.09	19.02	18.95	19.05	18.80	19.30
			MID	64QAM	19.15	18.98	18.98	18.81	18.68	19.30
	HIGH		64QAM	19.01	18.90	18.83	18.79	18.65	19.30	
	36	LOW	64QAM	19.13	19.19	18.93	18.88	18.63	19.30	
		MID	64QAM	19.06	19.05	18.97	18.90	18.69	19.30	
		HIGH	64QAM	19.10	19.17	19.19	18.99	18.84	19.30	
	75	LOW	64QAM	18.22	18.28	17.80	17.99	17.59	19.30	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	19.02	19.09	19.11	18.95	18.79	19.30
MID			QPSK	19.02	19.06	18.93	18.81	18.67	19.30	
HIGH			QPSK	19.04	19.03	18.96	18.87	18.79	19.30	
50		LOW	QPSK	19.14	19.15	19.19	18.87	18.75	19.30	
		MID	QPSK	19.18	19.20	19.01	18.85	18.84	19.30	
		HIGH	QPSK	19.16	19.20	19.05	18.91	18.80	19.30	
100	LOW	QPSK	19.21	19.22	19.01	18.85	18.81	19.30		
20	1	LOW	Q16	19.16	19.08	19.25	19.22	19.21	19.30	
		MID	Q16	19.13	19.22	19.20	19.23	19.09	19.30	
		HIGH	Q16	19.15	19.27	19.16	19.30	19.22	19.30	
	50	LOW	Q16	19.22	19.16	19.07	18.91	18.76	19.30	
		MID	Q16	19.24	19.24	19.08	18.91	18.87	19.30	
		HIGH	Q16	19.21	19.20	19.10	18.95	18.87	19.30	
100	LOW	Q16	19.21	19.22	19.03	18.89	18.83	19.30		
20	1	LOW	64QAM	19.02	18.98	19.06	18.98	18.78	19.30	
		MID	64QAM	18.97	19.01	19.06	18.88	18.58	19.30	
		HIGH	64QAM	18.95	19.18	18.98	18.72	18.70	19.30	
	50	LOW	64QAM	19.22	19.17	19.04	19.00	18.81	19.30	
		MID	64QAM	19.28	19.15	18.95	18.91	18.97	19.30	
		HIGH	64QAM	19.10	19.24	18.91	18.89	18.76	19.30	
100	LOW	64QAM	18.89	19.24	18.93	19.04	18.86	19.30		

## 8.3.24 LTE Band41 (Ant.4) Output Power

LTE B41-Full Power -Ant.4 (Class3)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.46	23.44	23.35	23.24	23.51	24.50	
		MID	QPSK	23.50	23.49	23.45	23.35	23.56	24.50	
		HIGH	QPSK	23.46	23.47	23.38	23.28	23.51	24.50	
	12	LOW	QPSK	23.50	23.53	23.31	23.32	23.54	24.50	
		MID	QPSK	23.53	23.55	23.43	23.45	23.58	24.50	
		HIGH	QPSK	23.47	23.50	23.40	23.37	23.54	24.50	
	25	LOW	QPSK	23.53	23.49	23.33	23.28	23.55	24.50	
	5	1	LOW	Q16	23.91	23.78	23.72	23.62	23.82	24.50
			MID	Q16	<b>24.04</b>	23.87	23.89	23.71	23.94	24.50
HIGH			Q16	23.95	23.79	23.81	23.66	23.78	24.50	
12		LOW	Q16	22.62	22.53	22.47	22.36	22.57	23.50	
		MID	Q16	22.68	22.61	22.56	22.47	22.64	23.50	
		HIGH	Q16	22.66	22.53	22.57	22.41	22.58	23.50	
25		LOW	Q16	22.54	22.57	22.35	22.27	22.58	23.50	
5		1	LOW	64QAM	23.03	22.69	22.62	22.47	22.76	23.50
			MID	64QAM	23.02	22.74	22.76	22.62	23.07	23.50
	HIGH		64QAM	22.98	22.87	22.96	22.81	22.82	23.50	
	12	LOW	64QAM	21.68	21.46	21.55	21.46	21.51	22.50	
		MID	64QAM	21.74	21.54	21.58	21.54	21.59	22.50	
		HIGH	64QAM	21.77	21.61	21.44	21.44	21.52	22.50	
	25	LOW	64QAM	21.55	21.47	21.46	21.33	21.47	22.50	
	10	1	LOW	QPSK	23.40	23.40	23.33	23.38	23.48	24.50
			MID	QPSK	23.45	23.40	23.28	23.35	23.36	24.50
HIGH			QPSK	23.46	23.39	23.31	23.37	23.43	24.50	
LOW			QPSK	23.57	23.49	23.41	23.37	23.49	24.50	
MID			QPSK	23.59	23.52	23.39	23.35	23.51	24.50	
HIGH			QPSK	23.56	23.49	23.44	23.39	23.46	24.50	
25		LOW	QPSK	23.57	23.51	23.35	23.36	23.47	24.50	
		LOW	Q16	23.80	23.73	23.82	23.71	23.86	24.50	
		MID	Q16	23.77	23.72	23.83	23.81	23.86	24.50	
		HIGH	Q16	23.87	23.84	23.88	23.81	<b>23.97</b>	24.50	
		LOW	Q16	22.63	22.56	22.39	22.42	22.62	23.50	
		MID	Q16	22.62	22.58	22.39	22.41	22.62	23.50	
50		HIGH	Q16	22.64	22.54	22.43	22.47	22.61	23.50	
		LOW	Q16	22.59	22.51	22.42	22.42	22.59	23.50	
		LOW	64QAM	22.74	22.65	22.93	22.62	22.90	23.50	
		MID	64QAM	22.62	22.78	22.76	22.67	22.87	23.50	
		HIGH	64QAM	22.79	22.90	22.74	22.88	22.91	23.50	
		LOW	64QAM	21.72	21.55	21.29	21.48	21.76	22.50	
25	MID	64QAM	21.48	21.53	21.44	21.50	21.74	22.50		
	HIGH	64QAM	21.66	21.49	21.36	21.55	21.48	22.50		
	LOW	64QAM	21.52	21.58	21.36	21.41	21.70	22.50		

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.29	23.29	23.23	23.38	23.40	24.50	
		MID	QPSK	23.35	23.27	23.23	23.32	23.33	24.50	
		HIGH	QPSK	23.27	23.33	23.30	23.41	23.44	24.50	
	36	LOW	QPSK	23.38	23.47	23.34	23.43	23.47	24.50	
		MID	QPSK	23.46	23.47	23.33	23.40	23.52	24.50	
		HIGH	QPSK	23.47	23.46	23.36	23.54	23.54	24.50	
	75	LOW	QPSK	23.44	23.46	23.27	23.45	23.44	24.50	
	15	1	LOW	Q16	23.60	23.65	23.78	23.73	23.73	24.50
			MID	Q16	23.66	23.60	23.73	23.75	23.69	24.50
HIGH			Q16	23.62	23.69	23.79	23.77	<b>23.86</b>	24.50	
36		LOW	Q16	22.37	22.43	22.33	22.45	22.43	23.50	
		MID	Q16	22.42	22.47	22.34	22.44	22.55	23.50	
		HIGH	Q16	22.43	22.42	22.37	22.49	22.53	23.50	
75		LOW	Q16	22.47	22.44	22.39	22.37	22.49	23.50	
15		1	LOW	64QAM	22.52	22.59	22.91	22.70	22.59	23.50
			MID	64QAM	22.66	22.62	22.85	22.69	22.71	23.50
	HIGH		64QAM	22.77	22.75	22.84	22.62	22.94	23.50	
	36	LOW	64QAM	21.32	21.34	21.37	21.35	21.30	22.50	
		MID	64QAM	21.52	21.33	21.27	21.36	21.57	22.50	
		HIGH	64QAM	21.55	21.49	21.35	21.49	21.50	22.50	
	75	LOW	64QAM	21.45	21.39	21.35	21.26	21.63	22.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	23.47	23.43	23.35	23.37	23.49	24.50
MID			QPSK	23.46	23.39	23.22	23.30	23.43	24.50	
HIGH			QPSK	23.50	23.37	23.31	23.40	23.55	24.50	
50		LOW	QPSK	23.59	23.62	23.37	23.31	23.46	24.50	
		MID	QPSK	23.66	23.61	23.31	23.36	23.47	24.50	
		HIGH	QPSK	23.65	23.58	23.38	23.41	23.57	24.50	
100	LOW	QPSK	23.64	23.61	23.41	23.35	23.47	24.50		
20	1	LOW	Q16	23.80	23.80	23.55	23.82	23.93	24.50	
		MID	Q16	23.81	23.77	23.44	23.70	23.87	24.50	
		HIGH	Q16	23.80	23.79	23.45	23.85	<b>23.96</b>	24.50	
	50	LOW	Q16	22.56	22.51	22.35	22.39	22.51	23.50	
		MID	Q16	22.68	22.46	22.33	22.38	22.50	23.50	
		HIGH	Q16	22.63	22.46	22.38	22.45	22.60	23.50	
100	LOW	Q16	22.70	22.47	22.32	22.31	22.47	23.50		
20	1	LOW	64QAM	22.74	22.79	22.53	22.79	22.80	23.50	
		MID	64QAM	22.94	22.79	22.49	22.62	23.01	23.50	
		HIGH	64QAM	22.85	22.73	22.44	22.74	22.90	23.50	
	50	LOW	64QAM	21.48	21.51	21.45	21.38	21.53	22.50	
		MID	64QAM	21.66	21.38	21.46	21.30	21.60	22.50	
		HIGH	64QAM	21.71	21.41	21.27	21.59	21.45	22.50	
100	LOW	64QAM	21.58	21.32	21.30	21.33	21.58	22.50		

LTE B41-State17 -Ant.4										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	22.20	22.14	22.20	22.10	22.34	23.90	
		MID	QPSK	22.24	22.21	22.29	22.21	22.35	23.90	
		HIGH	QPSK	22.14	22.18	22.19	22.11	22.39	23.90	
	12	LOW	QPSK	22.18	22.24	22.14	22.16	22.39	23.90	
		MID	QPSK	22.26	22.22	22.28	22.27	22.46	23.90	
		HIGH	QPSK	22.18	22.23	22.17	22.25	22.50	23.90	
	25	LOW	QPSK	22.13	22.18	22.06	22.21	22.36	23.90	
	5	1	LOW	Q16	22.47	22.49	22.53	22.35	22.71	23.90
			MID	Q16	22.54	22.58	22.76	22.53	<b>22.96</b>	23.90
HIGH			Q16	22.46	22.49	22.62	22.41	22.78	23.90	
12		LOW	Q16	22.15	22.19	22.25	22.19	22.53	23.90	
		MID	Q16	22.23	22.31	22.45	22.36	22.53	23.90	
		HIGH	Q16	22.17	22.25	22.36	22.24	22.61	23.90	
25		LOW	Q16	22.22	22.25	22.16	22.27	22.48	23.90	
5		1	LOW	64QAM	22.14	22.54	22.65	22.75	22.89	23.90
			MID	64QAM	22.17	22.40	22.28	22.60	22.61	23.90
	HIGH		64QAM	22.47	22.31	22.42	22.75	22.80	23.90	
	12	LOW	64QAM	21.37	21.32	21.49	21.64	21.62	23.00	
		MID	64QAM	21.27	21.46	21.34	21.63	21.92	23.00	
		HIGH	64QAM	21.21	21.37	21.53	21.62	21.85	23.00	
	25	LOW	64QAM	21.25	21.32	21.26	21.18	21.34	23.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	22.18	22.10	22.17	22.28	22.45	23.90
MID			QPSK	22.15	22.09	22.16	22.29	22.41	23.90	
HIGH			QPSK	22.21	22.15	22.17	22.27	22.46	23.90	
25		LOW	QPSK	22.30	22.26	22.25	22.22	22.41	23.90	
		MID	QPSK	22.33	22.26	22.25	22.29	22.45	23.90	
		HIGH	QPSK	22.29	22.23	22.30	22.27	22.48	23.90	
50	LOW	QPSK	22.27	22.23	22.22	22.26	22.38	23.90		
10	1	LOW	Q16	22.52	22.46	22.69	22.62	22.80	23.90	
		MID	Q16	22.51	22.45	22.66	22.60	22.80	23.90	
		HIGH	Q16	22.52	22.48	22.72	22.59	22.86	23.90	
	25	LOW	Q16	22.29	22.30	22.23	22.28	22.44	23.90	
		MID	Q16	22.29	22.30	22.26	22.36	22.50	23.90	
		HIGH	Q16	22.32	22.32	22.30	22.36	22.49	23.90	
50	LOW	Q16	22.25	22.21	22.29	22.35	22.43	23.90		
10	1	LOW	64QAM	22.10	22.62	22.66	22.94	22.92	23.90	
		MID	64QAM	22.15	22.62	22.39	22.50	22.56	23.90	
		HIGH	64QAM	22.36	22.55	22.28	22.73	<b>23.00</b>	23.90	
	25	LOW	64QAM	21.38	21.40	21.48	21.46	21.63	23.00	
		MID	64QAM	21.33	21.38	21.40	21.64	21.72	23.00	
		HIGH	64QAM	21.18	21.40	21.40	21.77	21.65	23.00	
50	LOW	64QAM	21.13	21.37	21.30	21.27	21.21	23.00		

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	21.95	22.07	22.16	22.11	22.24	23.90	
		MID	QPSK	21.94	22.04	22.10	22.06	22.17	23.90	
		HIGH	QPSK	21.91	22.11	22.18	22.14	22.28	23.90	
	36	LOW	QPSK	22.11	22.17	22.22	22.21	22.28	23.90	
		MID	QPSK	22.11	22.24	22.21	22.19	22.37	23.90	
		HIGH	QPSK	22.13	22.19	22.27	22.26	22.40	23.90	
	75	LOW	QPSK	22.11	22.23	22.28	22.18	22.37	23.90	
	15	1	LOW	Q16	22.28	22.47	22.62	22.50	22.54	23.90
			MID	Q16	22.27	22.37	22.64	22.43	22.61	23.90
HIGH			Q16	22.28	22.45	22.71	22.49	22.68	23.90	
36		LOW	Q16	22.09	22.17	22.21	22.19	22.27	23.90	
		MID	Q16	22.08	22.25	22.19	22.17	22.36	23.90	
		HIGH	Q16	22.03	22.20	22.25	22.28	22.38	23.90	
75		LOW	Q16	22.06	22.23	22.21	22.15	22.37	23.90	
15		1	LOW	64QAM	22.11	22.37	22.61	22.76	22.72	23.90
			MID	64QAM	22.18	22.39	22.33	22.60	22.72	23.90
	HIGH		64QAM	22.34	22.45	22.45	22.70	<b>23.04</b>	23.90	
	36	LOW	64QAM	21.46	21.38	21.34	21.64	21.58	23.00	
		MID	64QAM	21.30	21.48	21.55	21.50	21.87	23.00	
		HIGH	64QAM	21.36	21.33	21.35	21.50	21.72	23.00	
	75	LOW	64QAM	21.39	21.27	21.07	21.27	21.11	23.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	21.93	22.10	22.32	22.27	22.27	23.90
MID			QPSK	21.93	22.10	22.16	22.18	22.27	23.90	
HIGH			QPSK	21.97	22.08	22.20	22.75	22.28	23.90	
50		LOW	QPSK	22.14	22.19	22.23	22.26	22.32	23.90	
		MID	QPSK	22.12	22.29	22.25	22.23	22.41	23.90	
		HIGH	QPSK	22.12	22.25	22.45	22.31	22.40	23.90	
100		LOW	QPSK	22.12	22.26	22.22	22.25	22.37	23.90	
20		1	LOW	Q16	22.29	22.50	22.44	22.66	22.75	23.90
			MID	Q16	22.28	22.42	22.33	22.62	22.69	23.90
	HIGH		Q16	22.35	22.45	22.42	22.74	22.84	23.90	
	50	LOW	Q16	22.09	22.20	22.27	22.29	22.36	23.90	
		MID	Q16	22.10	22.27	22.26	22.32	22.46	23.90	
		HIGH	Q16	22.10	22.22	22.30	22.36	22.48	23.90	
	100	LOW	Q16	22.10	22.24	22.22	22.24	22.42	23.90	
	20	1	LOW	64QAM	22.21	22.51	22.56	22.79	22.81	23.90
			MID	64QAM	22.28	22.53	22.42	22.49	22.58	23.90
HIGH			64QAM	22.38	22.41	22.41	22.69	<b>22.94</b>	23.90	
50		LOW	64QAM	21.43	21.44	21.41	21.59	21.63	23.00	
		MID	64QAM	21.41	21.35	21.41	21.65	21.81	23.00	
		HIGH	64QAM	21.29	21.43	21.47	21.65	21.73	23.00	
100		LOW	64QAM	21.24	21.23	21.18	21.17	21.23	23.00	

LTE B41-State18 -Ant.4										
Bandwidth	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	24.51	24.43	24.40	24.26	24.07	26.00	
		MID	QPSK	24.52	<b>24.55</b>	24.50	24.39	24.14	26.00	
		HIGH	QPSK	24.46	24.52	24.43	24.32	24.07	26.00	
	12	LOW	QPSK	23.32	23.54	23.32	23.31	23.15	25.00	
		MID	QPSK	23.35	23.57	23.48	23.41	23.24	25.00	
		HIGH	QPSK	23.33	23.53	23.45	23.35	23.25	25.00	
	25	LOW	QPSK	23.27	23.54	23.34	23.33	23.21	25.00	
	5	1	LOW	Q16	24.07	24.34	24.22	24.13	23.97	25.00
			MID	Q16	24.10	24.39	24.36	24.33	24.05	25.00
HIGH			Q16	24.14	24.34	24.28	24.17	23.94	25.00	
12		LOW	Q16	22.31	22.54	22.48	22.27	22.21	24.00	
		MID	Q16	22.37	22.62	22.59	22.50	22.27	24.00	
		HIGH	Q16	22.35	22.54	22.54	22.40	22.22	24.00	
25		LOW	Q16	22.33	22.57	22.41	22.29	22.18	24.00	
5		1	LOW	64QAM	23.15	23.24	23.12	23.24	23.08	24.00
			MID	64QAM	22.97	23.29	23.46	23.39	23.15	24.00
	HIGH		64QAM	23.02	23.31	23.17	23.07	22.87	24.00	
	12	LOW	64QAM	21.39	21.51	21.35	21.34	21.33	23.00	
		MID	64QAM	21.28	21.60	21.46	21.39	21.26	23.00	
		HIGH	64QAM	21.25	21.49	21.46	21.45	21.29	23.00	
	25	LOW	64QAM	21.33	21.68	21.54	21.21	21.26	23.00	
	Bandwidth	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	24.29	<b>24.43</b>	24.35	24.37	24.18	26.00
MID			QPSK	24.24	24.40	24.32	24.34	24.17	26.00	
HIGH			QPSK	24.29	24.38	24.34	24.38	24.10	26.00	
25		LOW	QPSK	23.36	23.48	23.36	23.33	23.21	25.00	
		MID	QPSK	23.40	23.53	23.41	23.38	23.19	25.00	
		HIGH	QPSK	23.38	23.49	23.44	23.41	23.14	25.00	
50		LOW	QPSK	23.36	23.53	23.38	23.37	23.19	25.00	
10		1	LOW	Q16	24.10	24.28	24.31	24.18	24.10	25.00
			MID	Q16	24.08	24.23	24.38	24.34	24.06	25.00
	HIGH		Q16	24.12	24.30	24.40	24.30	24.29	25.00	
	25	LOW	Q16	22.39	22.54	22.41	22.39	22.25	24.00	
		MID	Q16	22.38	22.58	22.39	22.46	22.29	24.00	
		HIGH	Q16	22.41	22.58	22.51	22.49	22.23	24.00	
	50	LOW	Q16	22.35	22.50	22.42	22.42	22.21	24.00	
	10	1	LOW	64QAM	22.96	23.17	23.18	23.05	22.95	24.00
			MID	64QAM	23.10	23.36	23.39	23.26	22.92	24.00
HIGH			64QAM	23.23	23.38	23.42	23.39	23.29	24.00	
25		LOW	64QAM	21.43	21.45	21.37	21.35	21.17	23.00	
		MID	64QAM	21.44	21.71	21.27	21.44	21.26	23.00	
		HIGH	64QAM	21.55	21.65	21.40	21.50	21.37	23.00	
50		LOW	64QAM	21.33	21.55	21.39	21.38	21.26	23.00	



Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	24.16	24.35	24.31	24.30	24.03	26.00	
		MID	QPSK	24.13	24.30	24.28	24.29	24.05	26.00	
		HIGH	QPSK	24.12	<b>24.39</b>	24.38	24.36	24.11	26.00	
	36	LOW	QPSK	23.28	23.49	23.37	23.32	23.05	25.00	
		MID	QPSK	23.33	23.49	23.34	23.32	23.13	25.00	
		HIGH	QPSK	23.32	23.46	23.43	23.41	23.12	25.00	
	75	LOW	QPSK	23.35	23.48	23.29	23.29	23.11	25.00	
	15	1	LOW	Q16	23.53	23.65	23.80	23.64	23.37	25.00
			MID	Q16	23.51	23.68	23.77	23.66	23.34	25.00
HIGH			Q16	23.49	23.76	23.86	23.68	23.47	25.00	
36		LOW	Q16	22.21	22.51	22.37	22.37	22.24	24.00	
		MID	Q16	22.30	22.48	22.38	22.34	22.27	24.00	
		HIGH	Q16	22.29	22.45	22.36	22.43	22.28	24.00	
75		LOW	Q16	22.33	22.47	22.38	22.37	22.05	24.00	
15		1	LOW	64QAM	22.67	22.66	22.83	22.51	22.30	24.00
			MID	64QAM	22.64	22.62	22.76	22.71	22.19	24.00
	HIGH		64QAM	22.40	22.81	22.72	22.71	22.49	24.00	
	36	LOW	64QAM	21.33	21.53	21.33	21.28	21.15	23.00	
		MID	64QAM	21.15	21.59	21.30	21.40	21.21	23.00	
		HIGH	64QAM	21.30	21.53	21.39	21.41	21.35	23.00	
	75	LOW	64QAM	21.47	21.34	21.30	21.45	21.13	23.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	24.21	24.32	24.25	24.26	24.26	26.00
MID			QPSK	24.25	24.33	<b>24.37</b>	24.16	24.15	26.00	
HIGH			QPSK	24.24	24.32	24.27	24.31	24.28	26.00	
50		LOW	QPSK	23.35	23.52	23.30	23.26	23.19	25.00	
		MID	QPSK	23.39	23.49	23.25	23.24	23.19	25.00	
		HIGH	QPSK	23.40	23.47	23.52	23.29	23.26	25.00	
100		LOW	QPSK	23.38	23.47	23.26	23.21	23.18	25.00	
20		1	LOW	Q16	24.01	24.23	23.95	24.23	24.12	25.00
			MID	Q16	24.07	24.18	23.82	24.13	24.06	25.00
	HIGH		Q16	24.03	24.23	23.94	24.27	24.20	25.00	
	50	LOW	Q16	22.30	22.39	22.29	22.30	22.25	24.00	
		MID	Q16	22.41	22.40	22.30	22.33	22.25	24.00	
		HIGH	Q16	22.38	22.36	22.34	22.38	22.30	24.00	
	100	LOW	Q16	22.34	22.39	22.28	22.27	22.22	24.00	
	20	1	LOW	64QAM	22.91	23.25	23.08	23.29	23.26	24.00
			MID	64QAM	22.95	23.24	22.89	23.28	23.06	24.00
HIGH			64QAM	22.95	23.13	23.03	23.28	23.10	24.00	
50		LOW	64QAM	21.19	21.30	21.37	21.41	21.27	23.00	
		MID	64QAM	21.30	21.34	21.31	21.42	21.37	23.00	
		HIGH	64QAM	21.46	21.37	21.37	21.38	21.21	23.00	
100		LOW	64QAM	21.30	21.37	21.16	21.17	21.14	23.00	

## 8.4 Intra-Band CA Power

### 8.4.1 LTE Band7 Uplink CA Output Power

LTE Uplink 2CA_Band 7-ANT3 State17										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	2	High	1	Low	3	16.99	17.4
21100	21298	20	QPSK	2	High	1	Low	3	17.11	17.4
21350	21152	20	QPSK	2	Low	1	High	3	17.07	17.4

LTE Uplink 2CA_Band 7-ANT3 State18										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	15.01	15.9
21100	21298	20	QPSK	1	High	1	Low	2	15.11	15.9
21350	21152	20	QPSK	1	Low	1	High	2	14.95	15.9

LTE Uplink 2CA_Band 7-ANT4 State17										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	2	High	1	Low	3	19.03	20.2
21100	21298	20	QPSK	2	High	1	Low	3	19.01	20.2
21350	21152	20	QPSK	2	Low	1	High	3	18.95	20.2

LTE Uplink 2CA_Band 7-ANT4 State18										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	2	High	1	Low	3	22.34	24
21100	21298	20	QPSK	2	High	1	Low	3	22.37	24
21350	21152	20	QPSK	2	Low	1	High	3	22.28	24

## 8.4.2 LTE Band38 Uplink CA Output Power

LTE Uplink 2CA_Band 38-ANT3 State17										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	2	High	1	Low	3	19.58	19.7
38099	37901	20	QPSK	2	Low	1	High	3	19.59	19.7
38150	37952	20	QPSK	2	Low	1	High	3	19.47	19.7

LTE Uplink 2CA_Band 38-ANT3 State18										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	2	High	1	Low	3	17.88	18.4
38099	37901	20	QPSK	2	Low	1	High	3	17.82	18.4
38150	37952	20	QPSK	2	Low	1	High	3	17.86	18.4

LTE Uplink 2CA_Band 38-ANT4 State17										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	2	High	1	Low	3	21.47	22
38099	37901	20	QPSK	2	Low	1	High	3	21.38	22
38150	37952	20	QPSK	2	Low	1	High	3	21.29	22

LTE Uplink 2CA_Band 38-ANT4 State18										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	2	High	1	Low	3	22.15	24
38099	37901	20	QPSK	2	Low	1	High	3	22.21	24
38150	37952	20	QPSK	2	Low	1	High	3	22.07	24

## 8.4.3 LTE Band41 Uplink CA Output Power

LTE Uplink 2CA_Band 41-ANT3 State17										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	2	High	1	Low	3	18.91	19.2
40185	40383	20	QPSK	2	High	1	Low	3	18.93	19.2
40620	40818	20	QPSK	2	High	1	Low	3	18.81	19.2
41055	40857	20	QPSK	2	Low	1	High	3	18.7	19.2
41490	41292	20	QPSK	2	Low	1	High	3	18.58	19.2

LTE Uplink 2CA_Band 41-ANT3 State18										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	2	High	1	Low	3	16.02	17.5
40185	40383	20	QPSK	2	High	1	Low	3	16.52	17.5
40620	40818	20	QPSK	2	High	1	Low	3	16.85	17.5
41055	40857	20	QPSK	2	Low	1	High	3	16.8	17.5
41490	41292	20	QPSK	2	Low	1	High	3	16.77	17.5

LTE Uplink 2CA_Band 41-ANT4 State17										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	2	High	1	Low	3	21.05	21.9
40185	40383	20	QPSK	2	High	1	Low	3	21.04	21.9
40620	40818	20	QPSK	2	High	1	Low	3	21.12	21.9
41055	40857	20	QPSK	2	Low	1	High	3	20.95	21.9
41490	41292	20	QPSK	2	Low	1	High	3	20.88	21.9

LTE Uplink 2CA_Band 41-ANT4 State18										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	2	High	1	Low	3	23.02	24
40185	40383	20	QPSK	2	High	1	Low	3	23.11	24
40620	40818	20	QPSK	2	High	1	Low	3	23.17	24
41055	40857	20	QPSK	2	Low	1	High	3	22.97	24
41490	41292	20	QPSK	2	Low	1	High	3	22.95	24

## 8.5 5G NR Output Power

### 8.5.1 NR Band5 (Ant.0) Output Power

#### N5-State17\_Ant.0(For SA)

Bandwidth (MHz)		Channel		165300	167300	169300	Tune-up
	Modulation	RB Size	RB offset	826.5	836.5	846.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	23.70	23.76	23.27	23.90
Bandwidth (MHz)		Channel		165800	167300	168800	Tune-up
	Modulation	RB Size	RB offset	829	836.5	844	power(dB)
10	DFT-s-OFDM BPSK	1	1	23.57	23.85	23.04	23.90
Bandwidth (MHz)		Channel		166300	167300	168300	Tune-up
	Modulation	RB Size	RB offset	831.5	836.5	841.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	23.36	23.70	23.31	23.90
Bandwidth (MHz)		Channel		166800	167300	167800	Tune-up
	Modulation	RB Size	RB offset	834	836.5	839	power(dB)
20	DFT-s-OFDM BPSK	1	1	23.76	<b>23.86</b>	23.71	23.90
		1	53	23.63	23.78	23.12	23.90
		1	104	23.25	23.62	23.17	23.90
	DFT-s-OFDM BPSK	50	0	23.59	<b>23.87</b>	23.54	23.90
		50	28	23.46	23.48	23.55	23.90
		50	56	23.34	23.38	23.41	23.90
	DFT-s-OFDM BPSK	100	0	23.77	23.89	23.89	23.90
	DFT-s-OFDM QPSK	1	1	23.90	23.78	23.79	23.90
	DFT-s-OFDM 16QAM	1	1	22.86	22.85	22.80	22.90
	DFT-s-OFDM 64QAM	1	1	20.97	21.28	21.01	21.90
	DFT-s-OFDM 256QAM	1	1	19.20	19.10	18.99	20.90
	CP-OFDM QPSK	1	1	21.94	22.07	21.98	22.90
	CP-OFDM 16QAM	1	1	21.55	21.76	21.48	22.90
	CP-OFDM 64QAM	1	1	20.18	20.13	19.92	20.90
CP-OFDM 256QAM	1	1	17.11	17.05	17.05	17.90	



## N5-State18\_Ant.0(For SA)

Bandwidth (MHz)		Channel		165300	167300	169300	Tune-up
	Modulation	RB Size	RB offset	826.5	836.5	846.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	23.70	23.76	23.27	23.90
Bandwidth (MHz)		Channel		165800	167300	168800	Tune-up
	Modulation	RB Size	RB offset	829	836.5	844	power(dB)
10	DFT-s-OFDM BPSK	1	1	23.57	23.85	23.04	23.90
Bandwidth (MHz)		Channel		166300	167300	168300	Tune-up
	Modulation	RB Size	RB offset	831.5	836.5	841.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	23.36	23.70	23.31	23.90
Bandwidth (MHz)		Channel		166800	167300	167800	Tune-up
	Modulation	RB Size	RB offset	834	836.5	839	power(dB)
20	DFT-s-OFDM BPSK	1	1	23.76	<b>23.86</b>	23.71	23.90
		1	53	23.63	23.78	23.12	23.90
		1	104	23.25	23.62	23.17	23.90
	DFT-s-OFDM BPSK	50	0	23.59	<b>23.87</b>	23.54	23.90
		50	28	23.46	23.48	23.55	23.90
		50	56	23.34	23.38	23.41	23.90
	DFT-s-OFDM BPSK	100	0	23.77	23.89	23.89	23.90
	DFT-s-OFDM QPSK	1	1	23.90	23.78	23.79	23.90
	DFT-s-OFDM 16QAM	1	1	22.86	22.85	22.80	22.90
	DFT-s-OFDM 64QAM	1	1	20.97	21.28	21.01	21.90
	DFT-s-OFDM 256QAM	1	1	19.20	19.10	18.99	20.90
	CP-OFDM QPSK	1	1	21.94	22.07	21.98	22.90
	CP-OFDM 16QAM	1	1	21.55	21.76	21.48	22.90
	CP-OFDM 64QAM	1	1	20.18	20.13	19.92	20.90
CP-OFDM 256QAM	1	1	17.11	17.05	17.05	17.90	

## N5-State18\_Ant.0(For NSA)

Bandwidth (MHz)		Channel		165300	167300	169300	Tune-up
	Modulation	RB Size	RB offset	826.5	836.5	846.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	19.66	19.70	19.71	19.90
Bandwidth (MHz)		Channel		165800	167300	168800	Tune-up
	Modulation	RB Size	RB offset	829	836.5	844	power(dB)
10	DFT-s-OFDM BPSK	1	1	19.71	19.69	19.81	19.90
Bandwidth (MHz)		Channel		166300	167300	168300	Tune-up
	Modulation	RB Size	RB offset	831.5	836.5	841.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	19.87	19.73	19.65	19.90
Bandwidth (MHz)		Channel		166800	167300	167800	Tune-up
	Modulation	RB Size	RB offset	834	836.5	839	power(dB)
20	DFT-s-OFDM BPSK	1	1	19.83	19.81	19.79	19.90
		1	53	19.60	<b>19.89</b>	19.56	19.90
		1	104	19.79	19.77	19.72	19.90
	DFT-s-OFDM BPSK	50	0	19.61	<b>19.62</b>	19.58	19.90
		50	28	19.52	19.52	19.51	19.90
		50	56	19.56	19.55	19.61	19.90
	DFT-s-OFDM BPSK	100	0	19.49	19.16	19.70	19.90
	DFT-s-OFDM QPSK	1	1	19.47	19.64	19.49	19.90
	DFT-s-OFDM 16QAM	1	1	19.55	19.59	19.50	19.90
	DFT-s-OFDM 64QAM	1	1	19.58	19.63	19.72	19.90
	DFT-s-OFDM 256QAM	1	1	19.06	19.14	19.22	19.40
	CP-OFDM QPSK	1	1	19.61	19.52	19.54	19.90
	CP-OFDM 16QAM	1	1	19.29	19.70	19.46	19.90
	CP-OFDM 64QAM	1	1	19.66	19.51	19.51	19.90
CP-OFDM 256QAM	1	1	17.09	16.94	16.99	17.40	

## 8.5.2 NR Band5 (Ant.1) Output Power

## N5-State17\_Ant.1(For SA)

Bandwidth (MHz)		Channel		165300	167300	169300	Tune-up power(dB)
	Modulation	RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	22.86	22.87	22.83	24.20
Bandwidth (MHz)		Channel		165800	167300	168800	Tune-up power(dB)
	Modulation	RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	22.85	22.91	22.78	24.20
Bandwidth (MHz)		Channel		166300	167300	168300	Tune-up power(dB)
	Modulation	RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	22.87	22.92	22.79	24.20
Bandwidth (MHz)		Channel		166800	167300	167800	Tune-up power(dB)
	Modulation	RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	22.98	22.93	<b>23.01</b>	24.20
		1	53	22.31	21.98	21.87	24.20
		1	104	21.93	21.82	21.89	24.20
	DFT-s-OFDM BPSK	50	0	21.82	21.81	21.84	24.20
		50	28	22.16	21.84	21.73	24.20
		50	56	22.78	22.60	<b>22.79</b>	24.20
	DFT-s-OFDM BPSK	100	0	22.11	21.37	21.72	24.20
	DFT-s-OFDM QPSK	1	1	22.68	22.71	22.86	24.20
	DFT-s-OFDM 16QAM	1	1	22.25	21.71	21.75	24.20
	DFT-s-OFDM 64QAM	1	1	20.73	20.79	20.68	24.20
	DFT-s-OFDM 256QAM	1	1	18.91	18.66	18.90	24.20
	CP-OFDM QPSK	1	1	22.15	21.21	21.24	24.20
	CP-OFDM 16QAM	1	1	20.93	20.63	20.85	24.20
	CP-OFDM 64QAM	1	1	19.81	19.70	19.84	24.20
CP-OFDM 256QAM	1	1	16.73	16.68	16.88	24.20	

## N5-State17\_Ant.1(For NSA)

Bandwidth (MHz)		Channel		165300	167300	169300	Tune-up power(dB)
	Modulation	RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	21.59	21.64	21.71	22.20
Bandwidth (MHz)		Channel		165800	167300	168800	Tune-up power(dB)
	Modulation	RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	21.63	21.61	21.59	22.20
Bandwidth (MHz)		Channel		166300	167300	168300	Tune-up power(dB)
	Modulation	RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	21.74	21.64	21.68	22.20
Bandwidth (MHz)		Channel		166800	167300	167800	Tune-up power(dB)
	Modulation	RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	21.76	<b>21.78</b>	21.66	22.20
		1	53	21.74	21.72	21.57	22.20
		1	104	21.66	21.64	21.56	22.20
	DFT-s-OFDM BPSK	50	0	21.30	21.55	21.44	22.20
		50	28	<b>21.62</b>	21.36	21.19	22.20
		50	56	21.37	21.37	21.41	22.20
	DFT-s-OFDM BPSK	100	0	22.14	21.02	21.05	22.20
	DFT-s-OFDM QPSK	1	1	20.97	20.59	20.79	22.20
	DFT-s-OFDM 16QAM	1	1	20.84	20.72	20.72	22.20
	DFT-s-OFDM 64QAM	1	1	20.80	20.89	20.70	21.70
	DFT-s-OFDM 256QAM	1	1	18.99	18.61	18.75	19.70
	CP-OFDM QPSK	1	1	21.19	21.11	21.00	22.20
	CP-OFDM 16QAM	1	1	21.08	20.63	20.90	22.20
	CP-OFDM 64QAM	1	1	19.71	19.70	19.84	20.70
CP-OFDM 256QAM	1	1	16.88	16.78	16.98	17.70	

## N5-State18\_Ant.1(For SA&amp;NSA)

Bandwidth (MHz)		Channel		165300	167300	169300	Tune-up
	Modulation	RB Size	RB offset	826.5	836.5	846.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	22.86	22.87	22.83	24.20
Bandwidth (MHz)		Channel		165800	167300	168800	Tune-up
	Modulation	RB Size	RB offset	829	836.5	844	power(dB)
10	DFT-s-OFDM BPSK	1	1	22.85	22.91	22.78	24.20
Bandwidth (MHz)		Channel		166300	167300	168300	Tune-up
	Modulation	RB Size	RB offset	831.5	836.5	841.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	22.87	22.92	22.79	24.20
Bandwidth (MHz)		Channel		166800	167300	167800	Tune-up
	Modulation	RB Size	RB offset	834	836.5	839	power(dB)
20	DFT-s-OFDM BPSK	1	1	22.98	22.93	<b>23.01</b>	24.20
		1	53	22.31	21.98	21.87	24.20
		1	104	21.93	21.82	21.89	24.20
	DFT-s-OFDM BPSK	50	0	21.82	21.81	21.84	24.20
		50	28	22.16	<b>22.81</b>	21.73	24.20
		50	56	22.78	22.60	22.79	24.20
	DFT-s-OFDM BPSK	100	0	22.11	21.37	21.72	24.20
	DFT-s-OFDM QPSK	1	1	22.68	22.71	22.86	24.20
	DFT-s-OFDM 16QAM	1	1	22.25	21.71	21.75	24.20
	DFT-s-OFDM 64QAM	1	1	20.73	20.79	20.68	24.20
	DFT-s-OFDM 256QAM	1	1	18.91	18.66	18.90	24.20
	CP-OFDM QPSK	1	1	22.15	21.21	21.24	24.20
	CP-OFDM 16QAM	1	1	20.93	20.63	20.85	24.20
	CP-OFDM 64QAM	1	1	19.81	19.70	19.84	24.20
CP-OFDM 256QAM	1	1	16.73	16.68	16.88	24.20	

## 8.5.3 NR Band7 (Ant.3) Output Power

## N7-State17\_Ant.3(For SA)

Bandwidth (MHz)		Channel		500500	507000	513500	Tune-up
	Modulation	RB Size	RB offset	2502.5	2535	2567.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	16.16	15.95	15.95	16.20
Bandwidth (MHz)		Channel		501000	507000	513000	Tune-up
	Modulation	RB Size	RB offset	2505	2535	2565	power(dB)
10	DFT-s-OFDM BPSK	1	1	15.98	16.19	16.08	16.20
Bandwidth (MHz)		Channel		501500	507000	512500	Tune-up
	Modulation	RB Size	RB offset	2507.5	2535	2562.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	16.05	16.14	15.99	16.20
Bandwidth (MHz)		Channel		502000	507000	512000	Tune-up
	Modulation	RB Size	RB offset	2510	2535	2560	power(dB)
20	DFT-s-OFDM BPSK	1	1	15.99	15.98	16.01	16.20
Bandwidth (MHz)		Channel		502500	507000	511500	Tune-up
	Modulation	RB Size	RB offset	2512.5	2535	2557.5	power(dB)
25	DFT-s-OFDM BPSK	1	1	16.13	16.15	16.11	16.20
Bandwidth (MHz)		Channel		503000	507000	511000	Tune-up
	Modulation	RB Size	RB offset	2515	2535	2555	power(dB)
30	DFT-s-OFDM BPSK	1	1	16.19	16.16	15.95	16.20
Bandwidth (MHz)		Channel		504000	507000	510000	Tune-up
	Modulation	RB Size	RB offset	2520	2535	2550	power(dB)
40	DFT-s-OFDM BPSK	1	1	16.12	16.09	16.11	16.20
		1	106	16.11	16.03	15.98	16.20
		1	214	16.12	<b>16.13</b>	16.12	16.20
	DFT-s-OFDM BPSK	108	0	16.11	<b>16.15</b>	16.14	16.20
		108	54	16.05	16.11	16.12	16.20
		108	1	15.97	15.70	15.67	16.20
	DFT-s-OFDM BPSK	216	0	15.91	15.92	15.73	16.20
	DFT-s-OFDM QPSK	1	1	16.24	15.58	16.45	16.20
	DFT-s-OFDM 16QAM	1	1	15.64	15.45	15.52	16.20
	DFT-s-OFDM 64QAM	1	1	16.02	15.85	15.60	16.20
	DFT-s-OFDM 256QAM	1	1	15.87	15.52	15.52	16.20
	CP-OFDM QPSK	1	1	15.79	16.13	15.64	16.20
	CP-OFDM 16QAM	1	1	16.30	16.22	16.18	16.20
	CP-OFDM 64QAM	1	1	15.99	15.56	15.82	16.20
CP-OFDM 256QAM	1	1	16.10	15.90	15.54	16.20	

## N7-State17\_Ant.3(For NSA)

Bandwidth (MHz)		Channel		500500	507000	513500	Tune-up
	Modulation	RB Size	RB offset	2502.5	2535	2567.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	15.93	15.75	15.68	16.70
Bandwidth (MHz)		Channel		501000	507000	513000	Tune-up
	Modulation	RB Size	RB offset	2505	2535	2565	power(dB)
10	DFT-s-OFDM BPSK	1	1	16.09	15.92	15.77	16.70
Bandwidth (MHz)		Channel		501500	507000	512500	Tune-up
	Modulation	RB Size	RB offset	2507.5	2535	2562.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	16.06	16.03	15.68	16.70
Bandwidth (MHz)		Channel		502000	507000	512000	Tune-up
	Modulation	RB Size	RB offset	2510	2535	2560	power(dB)
20	DFT-s-OFDM BPSK	1	1	15.99	15.83	15.78	16.70
Bandwidth (MHz)		Channel		502500	507000	511500	Tune-up
	Modulation	RB Size	RB offset	2512.5	2535	2557.5	power(dB)
25	DFT-s-OFDM BPSK	1	1	16.11	16.05	16.13	16.70
Bandwidth (MHz)		Channel		503000	507000	511000	Tune-up
	Modulation	RB Size	RB offset	2515	2535	2555	power(dB)
30	DFT-s-OFDM BPSK	1	1	16.07	16.08	16.11	16.70
Bandwidth (MHz)		Channel		504000	507000	510000	Tune-up
	Modulation	RB Size	RB offset	2520	2535	2550	power(dB)
40	DFT-s-OFDM BPSK	1	1	16.12	16.09	16.13	16.70
		1	106	16.18	<b>16.21</b>	15.98	16.70
		1	214	16.17	16.13	16.18	16.70
	DFT-s-OFDM BPSK	108	0	16.22	<b>16.23</b>	16.09	16.70
		108	54	15.65	15.39	15.60	16.70
		108	108	15.63	15.62	15.55	16.70
	DFT-s-OFDM BPSK	216	0	15.93	15.35	16.19	16.70
	DFT-s-OFDM QPSK	1	1	15.67	15.47	15.40	16.70
	DFT-s-OFDM 16QAM	1	1	15.77	15.64	15.23	16.70
	DFT-s-OFDM 64QAM	1	1	15.63	15.46	15.35	16.70
	DFT-s-OFDM 256QAM	1	1	15.55	15.94	15.46	16.70
	CP-OFDM QPSK	1	1	15.66	15.48	15.53	16.70
	CP-OFDM 16QAM	1	1	15.96	15.61	15.35	16.70
CP-OFDM 64QAM	1	1	15.60	15.31	15.31	16.70	
CP-OFDM 256QAM	1	1	15.81	15.71	15.48	16.70	

## N7-State18\_Ant.3(For SA)

Bandwidth (MHz)		Channel		500500	507000	513500	Tune-up
	Modulation	RB Size	RB offset	2502.5	2535	2567.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	14.41	14.24	14.36	15.20
Bandwidth (MHz)		Channel		501000	507000	513000	Tune-up
	Modulation	RB Size	RB offset	2505	2535	2565	power(dB)
10	DFT-s-OFDM BPSK	1	1	14.34	14.23	14.30	15.20
Bandwidth (MHz)		Channel		501500	507000	512500	Tune-up
	Modulation	RB Size	RB offset	2507.5	2535	2562.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	14.30	14.15	14.23	15.20
Bandwidth (MHz)		Channel		502000	507000	512000	Tune-up
	Modulation	RB Size	RB offset	2510	2535	2560	power(dB)
20	DFT-s-OFDM BPSK	1	1	14.40	14.19	14.40	15.20
Bandwidth (MHz)		Channel		502500	507000	511500	Tune-up
	Modulation	RB Size	RB offset	2512.5	2535	2557.5	power(dB)
25	DFT-s-OFDM BPSK	1	1	14.22	14.22	14.21	15.20
Bandwidth (MHz)		Channel		503000	507000	511000	Tune-up
	Modulation	RB Size	RB offset	2515	2535	2555	power(dB)
30	DFT-s-OFDM BPSK	1	1	14.21	14.33	14.42	15.20
Bandwidth (MHz)		Channel		504000	507000	510000	Tune-up
	Modulation	RB Size	RB offset	2520	2535	2550	power(dB)
40	DFT-s-OFDM BPSK	1	1	14.61	14.69	14.77	15.20
		1	106	14.67	14.61	14.58	15.20
		1	214	14.83	<b>14.84</b>	14.70	15.20
	DFT-s-OFDM BPSK	108	0	14.47	<b>14.74</b>	14.23	15.20
		108	54	13.98	13.76	13.54	15.20
		108	1	14.13	14.02	13.68	15.20
	DFT-s-OFDM BPSK	216	0	14.09	13.96	14.51	15.20
	DFT-s-OFDM QPSK	1	1	13.70	13.59	13.49	15.20
	DFT-s-OFDM 16QAM	1	1	14.06	13.98	13.54	15.20
	DFT-s-OFDM 64QAM	1	1	13.79	13.64	13.45	15.20
	DFT-s-OFDM 256QAM	1	1	13.87	14.06	13.56	15.20
	CP-OFDM QPSK	1	1	14.24	14.28	14.20	15.20
	CP-OFDM 16QAM	1	1	13.78	13.59	13.55	15.20
	CP-OFDM 64QAM	1	1	14.06	13.83	13.70	15.20
CP-OFDM 256QAM	1	1	14.08	13.74	14.39	15.20	



### N7-State18\_Ant.3(For NSA)

Bandwidth (MHz)		Channel		500500	507000	513500	Tune-up power(dB)
	Modulation	RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	13.13	12.70	13.45	13.70
Bandwidth (MHz)		Channel		501000	507000	513000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	13.32	12.66	13.57	13.70
Bandwidth (MHz)		Channel		501500	507000	512500	Tune-up power(dB)
	Modulation	RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	13.09	12.78	13.30	13.70
Bandwidth (MHz)		Channel		502000	507000	512000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	13.21	12.80	13.38	13.70
Bandwidth (MHz)		Channel		502500	507000	511500	Tune-up power(dB)
	Modulation	RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	12.91	12.50	12.68	13.70
Bandwidth (MHz)		Channel		503000	507000	511000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	13.10	12.79	13.39	13.70
Bandwidth (MHz)		Channel		504000	507000	510000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	13.17	13.08	13.30	13.70
		1	106	13.20	13.19	13.06	13.70
		1	214	13.36	<b>13.38</b>	13.18	13.70
	DFT-s-OFDM BPSK	108	0	13.12	13.16	13.11	13.70
		108	54	13.29	<b>13.51</b>	13.44	13.70
		108	108	12.87	12.56	12.71	13.70
	DFT-s-OFDM BPSK	216	0	12.84	12.44	12.74	13.70
	DFT-s-OFDM QPSK	1	1	13.29	12.70	13.37	13.70
	DFT-s-OFDM 16QAM	1	1	12.65	12.68	12.51	13.70
	DFT-s-OFDM 64QAM	1	1	13.14	13.00	12.55	13.70
	DFT-s-OFDM 256QAM	1	1	12.74	12.54	12.73	13.70
	CP-OFDM QPSK	1	1	13.02	13.19	12.71	13.70
	CP-OFDM 16QAM	1	1	12.97	12.85	12.59	13.70
CP-OFDM 64QAM	1	1	12.75	12.50	12.53	13.70	
CP-OFDM 256QAM	1	1	12.92	12.98	12.61	13.70	

## 8.5.4 NR Band7 (Ant.4) Output Power

## N7-State17\_Ant.4

Bandwidth (MHz)		Channel		500500	507000	513500	Tune-up power(dB)
	Modulation	RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	18.38	17.80	17.50	19.20
Bandwidth (MHz)		Channel		501000	507000	513000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	18.41	18.17	18.10	19.20
Bandwidth (MHz)		Channel		501500	507000	512500	Tune-up power(dB)
	Modulation	RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	18.44	18.25	18.36	19.20
Bandwidth (MHz)		Channel		502000	507000	512000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	18.37	18.09	18.26	19.20
Bandwidth (MHz)		Channel		502500	507000	511500	Tune-up power(dB)
	Modulation	RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	18.31	18.18	18.27	19.20
Bandwidth (MHz)		Channel		503000	507000	511000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	18.28	18.37	18.25	19.20
Bandwidth (MHz)		Channel		504000	507000	510000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	18.77	18.66	18.77	19.20
		1	108	18.78	18.75	18.01	19.20
		1	214	18.93	<b>18.97</b>	18.73	19.20
	DFT-s-OFDM BPSK	108	0	18.20	<b>18.75</b>	18.29	19.20
		108	54	18.25	17.87	17.59	19.20
		108	108	18.31	18.08	18.31	19.20
	DFT-s-OFDM BPSK	216	0	18.48	18.06	18.24	19.20
	DFT-s-OFDM QPSK	1	1	17.96	17.64	18.19	19.20
	DFT-s-OFDM 16QAM	1	1	18.13	17.64	18.20	19.20
	DFT-s-OFDM 64QAM	1	1	18.15	17.75	17.40	19.20
	DFT-s-OFDM 256QAM	1	1	18.36	18.10	18.28	19.20
	CP-OFDM QPSK	1	1	18.51	17.79	18.36	19.20
	CP-OFDM 16QAM	1	1	18.04	17.62	18.22	19.20
CP-OFDM 64QAM	1	1	18.49	18.03	18.20	19.20	
CP-OFDM 256QAM	1	1	16.07	15.79	16.14	17.70	

## N7-State18\_Ant.4

Bandwidth (MHz)		Channel		500500	507000	513500	Tune-up power(dB)
	Modulation	RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.72	23.88	23.77	24.20
Bandwidth (MHz)		Channel		501000	507000	513000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.50	23.75	23.63	24.20
Bandwidth (MHz)		Channel		501500	507000	512500	Tune-up power(dB)
	Modulation	RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.67	23.79	23.63	24.20
Bandwidth (MHz)		Channel		502000	507000	512000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	23.65	23.81	23.81	24.20
Bandwidth (MHz)		Channel		502500	507000	511500	Tune-up power(dB)
	Modulation	RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	23.58	23.75	23.67	24.20
Bandwidth (MHz)		Channel		50300	507000	511000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	23.71	23.73	23.72	24.20
Bandwidth (MHz)		Channel		504000	507000	510000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	23.65	23.73	23.70	24.20
		1	108	23.28	<b>23.88</b>	22.48	24.20
		1	214	23.35	23.24	23.23	24.20
	DFT-s-OFDM BPSK	108	0	22.58	22.24	22.64	23.20
		108	54	22.80	<b>23.81</b>	22.01	23.20
		108	108	22.74	22.71	22.66	23.20
	DFT-s-OFDM BPSK	216	0	22.87	22.43	22.73	23.20
	DFT-s-OFDM QPSK	1	1	22.50	22.10	22.66	23.20
	DFT-s-OFDM 16QAM	1	1	21.52	21.45	21.70	22.20
	DFT-s-OFDM 64QAM	1	1	20.42	20.59	20.62	21.70
	DFT-s-OFDM 256QAM	1	1	18.35	18.04	18.59	19.70
	CP-OFDM QPSK	1	1	21.11	20.08	21.09	21.70
	CP-OFDM 16QAM	1	1	20.82	20.91	20.87	21.70
	CP-OFDM 64QAM	1	1	19.12	18.92	19.13	19.70
CP-OFDM 256QAM	1	1	15.98	15.85	16.13	17.70	

## 8.5.5 NR Band7 (Ant.6) Output Power

## N7-State 17\_Ant.6

Bandwidth (MHz)		Channel		500500	507000	513500	Tune-up
	Modulation	RB Size	RB offset	2502.5	2535	2567.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	16.26	16.54	17.03	17.20
Bandwidth (MHz)		Channel		501000	507000	513000	Tune-up
	Modulation	RB Size	RB offset	2505	2535	2565	power(dB)
10	DFT-s-OFDM BPSK	1	1	16.35	16.72	16.96	17.20
Bandwidth (MHz)		Channel		501500	507000	512500	Tune-up
	Modulation	RB Size	RB offset	2507.5	2535	2562.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	16.32	16.55	16.87	17.20
Bandwidth (MHz)		Channel		502000	507000	512000	Tune-up
	Modulation	RB Size	RB offset	2510	2535	2560	power(dB)
20	DFT-s-OFDM BPSK	1	1	16.14	16.73	16.99	17.20
Bandwidth (MHz)		Channel		502500	507000	511500	Tune-up
	Modulation	RB Size	RB offset	2512.5	2535	2557.5	power(dB)
25	DFT-s-OFDM BPSK	1	1	16.22	16.76	16.85	17.20
Bandwidth (MHz)		Channel		503000	507000	511000	Tune-up
	Modulation	RB Size	RB offset	2515	2535	2555	power(dB)
30	DFT-s-OFDM BPSK	1	1	16.23	16.80	17.04	17.20
Bandwidth (MHz)		Channel		504000	507000	510000	Tune-up
	Modulation	RB Size	RB offset	2520	2535	2550	power(dB)
40	DFT-s-OFDM BPSK	1	1	15.72	16.61	16.83	17.20
		1	106	16.85	16.88	16.87	17.20
		1	214	16.78	<b>16.93</b>	16.91	17.20
	DFT-s-OFDM BPSK	108	0	16.74	<b>16.84</b>	16.82	17.20
		108	54	16.31	16.53	16.74	17.20
		108	108	16.49	16.53	16.35	17.20
	DFT-s-OFDM BPSK	216	0	17.02	16.07	16.54	17.20
	DFT-s-OFDM QPSK	1	1	16.42	16.44	16.33	17.20
	DFT-s-OFDM 16QAM	1	1	16.19	17.17	17.25	17.20
	DFT-s-OFDM 64QAM	1	1	16.51	16.42	16.43	17.20
	DFT-s-OFDM 256QAM	1	1	16.42	16.07	16.41	17.20
	CP-OFDM QPSK	1	1	16.38	17.11	17.31	17.20
	CP-OFDM 16QAM	1	1	16.29	16.54	16.39	17.20
CP-OFDM 64QAM	1	1	16.54	16.61	16.48	17.20	
CP-OFDM 256QAM	1	1	14.75	15.00	14.98	16.20	

## N7-State 18\_Ant.6

Bandwidth (MHz)		Channel		500500	507000	513500	Tune-up
	Modulation	RB Size	RB offset	2502.5	2535	2567.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	15.21	16.16	16.37	16.70
Bandwidth (MHz)		Channel		501000	507000	513000	Tune-up
	Modulation	RB Size	RB offset	2505	2535	2565	power(dB)
10	DFT-s-OFDM BPSK	1	1	15.28	16.21	16.53	16.70
Bandwidth (MHz)		Channel		501500	507000	512500	Tune-up
	Modulation	RB Size	RB offset	2507.5	2535	2562.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	15.30	16.29	16.31	16.70
Bandwidth (MHz)		Channel		502000	507000	512000	Tune-up
	Modulation	RB Size	RB offset	2510	2535	2560	power(dB)
20	DFT-s-OFDM BPSK	1	1	15.29	16.32	16.43	16.70
Bandwidth (MHz)		Channel		502500	507000	511500	Tune-up
	Modulation	RB Size	RB offset	2512.5	2535	2557.5	power(dB)
25	DFT-s-OFDM BPSK	1	1	15.11	16.21	16.25	16.70
Bandwidth (MHz)		Channel		503000	507000	511000	Tune-up
	Modulation	RB Size	RB offset	2515	2535	2555	power(dB)
30	DFT-s-OFDM BPSK	1	1	15.14	16.13	16.41	16.70
Bandwidth (MHz)		Channel		504000	507000	510000	Tune-up
	Modulation	RB Size	RB offset	2520	2535	2550	power(dB)
40	DFT-s-OFDM BPSK	1	1	15.23	16.17	16.40	16.70
		1	106	16.40	16.38	16.32	16.70
		1	214	16.30	<b>16.45</b>	16.43	16.70
	DFT-s-OFDM BPSK	108	0	16.21	16.40	16.15	16.70
		108	54	15.23	16.23	16.52	16.70
		108	108	16.35	<b>16.54</b>	16.40	16.70
	DFT-s-OFDM BPSK	216	0	16.16	15.60	16.44	16.70
	DFT-s-OFDM QPSK	1	1	15.38	15.53	15.47	16.70
	DFT-s-OFDM 16QAM	1	1	15.26	16.29	16.30	16.70
	DFT-s-OFDM 64QAM	1	1	16.65	16.56	16.60	16.70
	DFT-s-OFDM 256QAM	1	1	15.57	15.22	15.56	16.70
	CP-OFDM QPSK	1	1	15.24	16.25	16.39	16.70
	CP-OFDM 16QAM	1	1	16.36	16.55	16.47	16.70
	CP-OFDM 64QAM	1	1	15.39	15.49	15.43	16.70
CP-OFDM 256QAM	1	1	14.89	15.02	15.04	16.20	

## 8.5.6 NR Band12 (Ant.0) Output Power

## N12-State 17\_Ant.0

Bandwidth (MHz)		Channel		140300	141500	142700	Tune-up
	Modulation	RB Size	RB offset	701.5	707.5	713.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	23.81	23.86	23.76	23.90
Bandwidth (MHz)		Channel		140800	141500	142200	Tune-up
	Modulation	RB Size	RB offset	704	707.5	711	power(dB)
10	DFT-s-OFDM BPSK	1	1	23.63	23.68	23.59	23.90
Bandwidth (MHz)		Channel		141300	141500	141700	Tune-up
	Modulation	RB Size	RB offset	706.5	707.5	708.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	23.85	<b>23.86</b>	23.84	23.90
		1	40	23.73	23.72	23.70	23.90
		1	77	23.62	23.59	23.58	23.90
	DFT-s-OFDM BPSK	36	0	23.15	<b>23.56</b>	23.34	23.90
		36	22	22.94	22.86	22.88	23.90
		36	43	22.69	22.77	22.87	23.90
	DFT-s-OFDM BPSK	75	0	22.87	22.68	22.73	22.90
	DFT-s-OFDM QPSK	1	1	22.78	22.69	22.88	22.90
	DFT-s-OFDM 16QAM	1	1	21.68	21.92	21.72	22.40
	DFT-s-OFDM 64QAM	1	1	20.10	20.40	20.33	21.40
	DFT-s-OFDM 256QAM	1	1	18.27	18.27	18.26	19.40
	CP-OFDM QPSK	1	1	21.26	21.27	21.13	21.90
	CP-OFDM 16QAM	1	1	20.87	20.73	20.80	21.90
CP-OFDM 64QAM	1	1	19.24	19.20	19.16	20.90	
CP-OFDM 256QAM	1	1	16.52	16.04	16.14	17.90	

## N12-State 18\_Ant.0

Bandwidth (MHz)		Channel		140300	141500	142700	Tune-up
	Modulation	RB Size	RB offset	701.5	707.5	713.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	23.81	23.86	23.76	23.90
Bandwidth (MHz)		Channel		140800	141500	142200	Tune-up
	Modulation	RB Size	RB offset	704	707.5	711	power(dB)
10	DFT-s-OFDM BPSK	1	1	23.63	23.68	23.59	23.90
Bandwidth (MHz)		Channel		141300	141500	141700	Tune-up
	Modulation	RB Size	RB offset	706.5	707.5	708.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	23.85	<b>23.86</b>	23.84	23.90
		1	40	23.73	23.72	23.70	23.90
		1	77	23.62	23.59	23.58	23.90
	DFT-s-OFDM BPSK	36	0	23.15	<b>23.56</b>	23.34	23.90
		36	22	22.94	22.86	22.88	23.90
		36	43	22.69	22.77	22.87	23.90
	DFT-s-OFDM BPSK	75	0	22.87	22.68	22.73	22.90
	DFT-s-OFDM QPSK	1	1	22.78	22.69	22.88	22.90
	DFT-s-OFDM 16QAM	1	1	21.68	21.92	21.72	22.40
	DFT-s-OFDM 64QAM	1	1	20.10	20.40	20.33	21.40
	DFT-s-OFDM 256QAM	1	1	18.27	18.27	18.26	19.40
	CP-OFDM QPSK	1	1	21.26	21.27	21.13	21.90
	CP-OFDM 16QAM	1	1	20.87	20.73	20.80	21.90
CP-OFDM 64QAM	1	1	19.24	19.20	19.16	20.90	
CP-OFDM 256QAM	1	1	16.52	16.04	16.14	17.90	

## 8.5.7 NR Band12 (Ant.1) Output Power

## N12-State 17\_Ant.1

Bandwidth (MHz)		Channel		140300	141500	142700	Tune-up
	Modulation	RB Size	RB offset				power(dB)
5	DFT-s-OFDM BPSK	1	1	24.06	24.05	24.12	24.20
Bandwidth (MHz)		Channel		140800	141500	142200	Tune-up
	Modulation	RB Size	RB offset	704	707.5	711	power(dB)
10	DFT-s-OFDM BPSK	1	1	24.16	24.01	24.11	24.20
Bandwidth (MHz)		Channel		141300	141500	141700	Tune-up
	Modulation	RB Size	RB offset	706.5	707.5	708.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	24.17	<b>24.18</b>	24.17	24.20
		1	40	23.38	23.40	23.36	24.20
		1	77	23.36	23.39	23.25	24.20
	DFT-s-OFDM BPSK	36	0	23.54	<b>23.88</b>	23.85	24.20
		36	22	23.43	23.78	22.61	24.20
		36	43	23.36	23.39	23.25	24.20
	DFT-s-OFDM BPSK	75	0	23.34	23.60	23.57	24.20
	DFT-s-OFDM QPSK	1	1	23.43	23.78	22.61	24.20
	DFT-s-OFDM 16QAM	1	1	22.57	22.09	22.52	23.20
	DFT-s-OFDM 64QAM	1	1	21.56	21.35	21.67	22.20
	DFT-s-OFDM 256QAM	1	1	18.31	18.17	18.72	19.70
	CP-OFDM QPSK	1	1	21.03	20.02	21.24	21.70
	CP-OFDM 16QAM	1	1	20.77	20.85	21.01	21.70
	CP-OFDM 64QAM	1	1	19.72	19.38	19.52	20.70
CP-OFDM 256QAM	1	1	16.62	16.54	16.74	17.70	



## N12-State 18\_Ant.1

Bandwidth (MHz)		Channel		140300	141500	142700	Tune-up
	Modulation	RB Size	RB offset				power(dB)
5	DFT-s-OFDM BPSK	1	1	24.06	24.05	24.12	24.20
Bandwidth (MHz)		Channel		140800	141500	142200	Tune-up
	Modulation	RB Size	RB offset	704	707.5	711	power(dB)
10	DFT-s-OFDM BPSK	1	1	24.16	24.01	24.11	24.20
Bandwidth (MHz)		Channel		141300	141500	141700	Tune-up
	Modulation	RB Size	RB offset	706.5	707.5	708.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	24.17	<b>24.18</b>	24.17	24.20
		1	40	23.38	23.40	23.36	24.20
		1	77	23.36	23.39	23.25	24.20
	DFT-s-OFDM BPSK	36	0	23.54	<b>23.88</b>	23.85	24.20
		36	22	23.43	23.78	22.61	24.20
		36	43	23.36	23.39	23.25	24.20
	DFT-s-OFDM BPSK	75	0	23.34	23.60	23.57	24.20
	DFT-s-OFDM QPSK	1	1	23.43	23.78	22.61	24.20
	DFT-s-OFDM 16QAM	1	1	22.57	22.09	22.52	23.20
	DFT-s-OFDM 64QAM	1	1	21.56	21.35	21.67	22.20
	DFT-s-OFDM 256QAM	1	1	18.31	18.17	18.72	19.70
	CP-OFDM QPSK	1	1	21.03	20.02	21.24	21.70
	CP-OFDM 16QAM	1	1	20.77	20.85	21.01	21.70
CP-OFDM 64QAM	1	1	19.72	19.38	19.52	20.70	
CP-OFDM 256QAM	1	1	16.62	16.54	16.74	17.70	

## 8.5.8 NR Band13 (Ant.0) Output Power

## N13-State 17\_Ant.0

Bandwidth (MHz)		Channel		155900	156400	156900	Tune-up power(dB)
	Modulation	RB Size	RB offset	779.5	782	784.5	
5	DFT-s-OFDM BPSK	1	1	23.61	23.30	23.67	24.40
Bandwidth (MHz)		Channel		/	156400	/	Tune-up power(dB)
	Modulation	RB Size	RB offset	/	782	/	
10	DFT-s-OFDM BPSK	1	1	/	<b>23.69</b>	/	24.40
		1	26	/	23.20	/	24.40
		1	50	/	23.15	/	24.40
	DFT-s-OFDM BPSK	25	0	/	<b>23.22</b>	/	24.40
		25	14	/	22.82	/	24.40
		25	27	/	22.73	/	24.40
	DFT-s-OFDM BPSK	50	0	/	23.03	/	24.40
	DFT-s-OFDM QPSK	1	1	/	22.81	/	23.40
	DFT-s-OFDM 16QAM	1	1	/	21.81	/	22.90
	DFT-s-OFDM 64QAM	1	1	/	20.31	/	21.40
	DFT-s-OFDM 256QAM	1	1	/	18.20	/	19.40
	CP-OFDM QPSK	1	1	/	21.25	/	22.40
	CP-OFDM 16QAM	1	1	/	20.62	/	21.40
	CP-OFDM 64QAM	1	1	/	19.25	/	20.40
CP-OFDM 256QAM	1	1	/	16.15	/	17.90	

## N13-State 18\_Ant.0

Bandwidth (MHz)		Channel		155900	156400	156900	Tune-up
	Modulation	RB Size	RB offset	779.5	782	784.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	23.61	23.30	23.67	24.40
Bandwidth (MHz)		Channel		/	156400	/	Tune-up
	Modulation	RB Size	RB offset	/	782	/	power(dB)
10	DFT-s-OFDM BPSK	1	1	/	<b>23.69</b>	/	24.40
		1	26	/	23.20	/	24.40
		1	50	/	23.15	/	24.40
	DFT-s-OFDM BPSK	25	0	/	<b>23.22</b>	/	24.40
		25	14	/	22.82	/	24.40
		25	27	/	22.73	/	24.40
	DFT-s-OFDM BPSK	50	0	/	23.03	/	24.40
	DFT-s-OFDM QPSK	1	1	/	22.81	/	23.40
	DFT-s-OFDM 16QAM	1	1	/	21.81	/	22.90
	DFT-s-OFDM 64QAM	1	1	/	20.31	/	21.40
	DFT-s-OFDM 256QAM	1	1	/	18.20	/	19.40
	CP-OFDM QPSK	1	1	/	21.25	/	22.40
	CP-OFDM 16QAM	1	1	/	20.62	/	21.40
	CP-OFDM 64QAM	1	1	/	19.25	/	20.40
CP-OFDM 256QAM	1	1	/	16.15	/	17.90	

## 8.5.9 NR Band13 (Ant.1) Output Power

**N13-State 17\_Ant.1**

Bandwidth (MHz)		Channel		155900	156400	156900	Tune-up power(dB)
	Modulation	RB Size	RB offset	779.5	782	784.5	
5	DFT-s-OFDM BPSK	1	1	23.87	23.94	23.89	24.70
Bandwidth (MHz)		Channel		/	156400	/	Tune-up power(dB)
	Modulation	RB Size	RB offset	/	782	/	
10	DFT-s-OFDM BPSK	1	1	/	<b>23.92</b>	/	24.70
		1	26	/	23.84	/	24.70
		1	50	/	23.72	/	24.70
	DFT-s-OFDM BPSK	25	0	/	<b>23.55</b>	/	24.70
		25	14	/	23.47	/	24.70
		25	27	/	23.38	/	24.70
	DFT-s-OFDM BPSK	50	0	/	23.34	/	24.20
	DFT-s-OFDM QPSK	1	1	/	23.69	/	24.20
	DFT-s-OFDM 16QAM	1	1	/	22.95	/	23.70
	DFT-s-OFDM 64QAM	1	1	/	21.27	/	22.70
	DFT-s-OFDM 256QAM	1	1	/	19.05	/	20.70
	CP-OFDM QPSK	1	1	/	22.19	/	23.40
	CP-OFDM 16QAM	1	1	/	21.53	/	22.70
	CP-OFDM 64QAM	1	1	/	20.22	/	21.70
CP-OFDM 256QAM	1	1	/	16.67	/	18.20	

## N13-State 18\_Ant.1

Bandwidth (MHz)		Channel		155900	156400	156900	Tune-up power(dB)
	Modulation	RB Size	RB offset	779.5	782	784.5	
5	DFT-s-OFDM BPSK	1	1	23.87	23.94	23.89	24.70
Bandwidth (MHz)		Channel		/	156400	/	Tune-up power(dB)
	Modulation	RB Size	RB offset	/	782	/	
10	DFT-s-OFDM BPSK	1	1	/	<b>23.92</b>	/	24.70
		1	26	/	23.84	/	24.70
		1	50	/	23.72	/	24.70
	DFT-s-OFDM BPSK	25	0	/	<b>23.55</b>	/	24.70
		25	14	/	23.47	/	24.70
		25	27	/	23.38	/	24.70
	DFT-s-OFDM BPSK	50	0	/	23.34	/	24.20
	DFT-s-OFDM QPSK	1	1	/	23.69	/	24.20
	DFT-s-OFDM 16QAM	1	1	/	22.95	/	23.70
	DFT-s-OFDM 64QAM	1	1	/	21.27	/	22.70
	DFT-s-OFDM 256QAM	1	1	/	19.05	/	20.70
	CP-OFDM QPSK	1	1	/	22.19	/	23.40
	CP-OFDM 16QAM	1	1	/	21.53	/	22.70
	CP-OFDM 64QAM	1	1	/	20.22	/	21.70
CP-OFDM 256QAM	1	1	/	16.67	/	18.20	

## 8.5.10 NR Band26 (Ant.0) Output Power

## N26-State 17\_Ant.0

Bandwidth (MHz)		Channel		163300	166300	169300	Tune-up
	Modulation	RB Size	RB offset	816.5	831.5	846.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	23.73	23.86	23.83	23.90
Bandwidth (MHz)		Channel		163800	166300	168800	Tune-up
	Modulation	RB Size	RB offset	819	831.5	844	power(dB)
10	DFT-s-OFDM BPSK	1	1	23.69	23.72	23.77	23.90
Bandwidth (MHz)		Channel		164300	166300	168300	Tune-up
	Modulation	RB Size	RB offset	821.5	831.5	841.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	23.90	23.83	23.79	23.90
Bandwidth (MHz)		Channel		164800	166300	167800	Tune-up
	Modulation	RB Size	RB offset	824	831.5	839	power(dB)
20	DFT-s-OFDM BPSK	1	1	23.76	<b>23.79</b>	23.69	23.90
		1	53	23.06	23.13	22.20	23.90
		1	104	23.78	23.58	23.61	23.90
	DFT-s-OFDM BPSK	50	0	23.64	23.17	23.45	23.90
		50	28	23.00	23.28	23.24	23.90
		50	56	23.67	<b>23.77</b>	23.76	23.90
	DFT-s-OFDM BPSK	100	0	23.00	23.21	23.14	23.90
	DFT-s-OFDM QPSK	1	1	23.20	23.15	23.15	23.90
	DFT-s-OFDM 16QAM	1	1	22.77	22.88	22.80	23.40
	DFT-s-OFDM 64QAM	1	1	20.69	20.52	20.34	21.90
	DFT-s-OFDM 256QAM	1	1	19.20	19.02	19.08	20.90
	CP-OFDM QPSK	1	1	22.29	21.68	21.97	22.90
	CP-OFDM 16QAM	1	1	20.89	21.29	21.09	22.40
	CP-OFDM 64QAM	1	1	20.19	20.08	20.11	22.40
CP-OFDM 256QAM	1	1	16.52	16.75	16.74	18.40	

## N26-State 18\_Ant.0

Bandwidth (MHz)		Channel		163300	166300	169300	Tune-up
	Modulation	RB Size	RB offset	816.5	831.5	846.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	23.73	23.86	23.83	23.90
Bandwidth (MHz)		Channel		163800	166300	168800	Tune-up
	Modulation	RB Size	RB offset	819	831.5	844	power(dB)
10	DFT-s-OFDM BPSK	1	1	23.69	23.72	23.77	23.90
Bandwidth (MHz)		Channel		164300	166300	168300	Tune-up
	Modulation	RB Size	RB offset	821.5	831.5	841.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	23.90	23.83	23.79	23.90
Bandwidth (MHz)		Channel		164800	166300	167800	Tune-up
	Modulation	RB Size	RB offset	824	831.5	839	power(dB)
20	DFT-s-OFDM BPSK	1	1	23.76	<b>23.79</b>	23.69	23.90
		1	53	23.06	23.13	21.20	23.90
		1	104	23.78	23.58	23.61	23.90
	DFT-s-OFDM BPSK	50	0	23.64	23.17	23.45	23.90
		50	28	23.00	23.28	23.24	23.90
		50	56	23.67	<b>23.77</b>	23.76	23.90
	DFT-s-OFDM BPSK	100	0	23.00	23.21	23.14	23.90
	DFT-s-OFDM QPSK	1	1	23.20	23.15	23.15	23.90
	DFT-s-OFDM 16QAM	1	1	22.77	22.88	22.80	23.40
	DFT-s-OFDM 64QAM	1	1	20.69	20.52	20.34	21.90
	DFT-s-OFDM 256QAM	1	1	19.20	19.02	19.08	20.90
	CP-OFDM QPSK	1	1	22.29	21.68	21.97	22.90
	CP-OFDM 16QAM	1	1	20.89	21.29	21.09	22.40
	CP-OFDM 64QAM	1	1	20.19	20.08	20.11	22.40
CP-OFDM 256QAM	1	1	16.52	16.75	16.74	18.40	

## 8.5.11 NR Band26 (Ant.1) Output Power

## N26-State 17\_Ant.1

Bandwidth (MHz)		Channel		163300	166300	169300	Tune-up
	Modulation	RB Size	RB offset	816.5	831.5	846.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	24.06	24.04	23.88	24.20
Bandwidth (MHz)		Channel		163800	166300	168800	Tune-up
	Modulation	RB Size	RB offset	819	831.5	844	power(dB)
10	DFT-s-OFDM BPSK	1	1	24.18	24.04	23.98	24.20
Bandwidth (MHz)		Channel		164300	166300	168300	Tune-up
	Modulation	RB Size	RB offset	821.5	831.5	841.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	24.02	24.22	23.99	24.20
Bandwidth (MHz)		Channel		164800	166300	167800	Tune-up
	Modulation	RB Size	RB offset	824	831.5	839	power(dB)
20	DFT-s-OFDM BPSK	1	1	24.06	23.99	24.07	24.20
		1	53	24.05	23.42	21.55	24.20
		1	104	24.05	<b>24.09</b>	24.08	24.20
	DFT-s-OFDM BPSK	50	0	23.71	23.61	23.58	24.20
		50	28	23.40	23.63	23.63	24.20
		50	56	23.87	<b>23.89</b>	23.87	24.20
	DFT-s-OFDM BPSK	100	0	23.06	23.08	23.15	23.70
	DFT-s-OFDM QPSK	1	1	23.59	23.35	23.53	23.70
	DFT-s-OFDM 16QAM	1	1	22.80	22.73	22.86	23.20
	DFT-s-OFDM 64QAM	1	1	20.75	20.65	20.38	21.70
	DFT-s-OFDM 256QAM	1	1	19.33	18.99	19.22	20.70
	CP-OFDM QPSK	1	1	22.37	21.69	21.93	22.70
	CP-OFDM 16QAM	1	1	21.15	21.23	21.16	22.70
	CP-OFDM 64QAM	1	1	20.30	20.13	20.16	21.20
CP-OFDM 256QAM	1	1	16.49	16.60	16.62	18.20	



## N26-State 18\_Ant.1

Bandwidth (MHz)		Channel		163300	166300	169300	Tune-up
	Modulation	RB Size	RB offset	816.5	831.5	846.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	24.06	24.04	23.88	24.20
Bandwidth (MHz)		Channel		163800	166300	168800	Tune-up
	Modulation	RB Size	RB offset	819	831.5	844	power(dB)
10	DFT-s-OFDM BPSK	1	1	24.18	24.04	23.98	24.20
Bandwidth (MHz)		Channel		164300	166300	168300	Tune-up
	Modulation	RB Size	RB offset	821.5	831.5	841.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	24.02	24.22	23.99	24.20
Bandwidth (MHz)		Channel		164800	166300	167800	Tune-up
	Modulation	RB Size	RB offset	824	831.5	839	power(dB)
20	DFT-s-OFDM BPSK	1	1	24.06	23.99	24.07	24.20
		1	53	24.05	23.42	21.55	24.20
		1	104	24.05	<b>24.09</b>	24.08	24.20
	DFT-s-OFDM BPSK	50	0	23.71	23.61	23.58	24.20
		50	28	23.40	23.63	23.63	24.20
		50	56	23.87	<b>23.89</b>	23.87	24.20
	DFT-s-OFDM BPSK	100	0	23.06	23.08	23.15	23.70
	DFT-s-OFDM QPSK	1	1	23.59	23.35	23.53	23.70
	DFT-s-OFDM 16QAM	1	1	22.80	22.73	22.86	23.20
	DFT-s-OFDM 64QAM	1	1	20.75	20.65	20.38	21.70
	DFT-s-OFDM 256QAM	1	1	19.33	18.99	19.22	20.70
	CP-OFDM QPSK	1	1	22.37	21.69	21.93	22.70
	CP-OFDM 16QAM	1	1	21.15	21.23	21.16	22.70
	CP-OFDM 64QAM	1	1	20.30	20.13	20.16	21.20
CP-OFDM 256QAM	1	1	16.49	16.60	16.62	18.20	

## 8.5.12 NR Band38 (Ant.3) Output Power

**N38-State17\_Ant.3**

Bandwidth (MHz)		Channel		516000	519000	522000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	19.12	<b>19.15</b>	19.10	19.20
Bandwidth (MHz)		Channel		517000	519000	521000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	19.10	19.17	19.00	19.20
		1	39	19.00	19.01	19.05	19.20
		1	76	19.01	<b>19.18</b>	19.00	19.20
	DFT-s-OFDM BPSK	36	0	<b>19.18</b>	19.15	19.11	19.20
		36	21	19.02	18.94	18.72	19.20
		36	42	19.10	18.90	18.99	19.20
	DFT-s-OFDM BPSK	72	0	19.12	19.19	19.02	19.20
	DFT-s-OFDM QPSK	1	1	18.98	19.02	19.05	19.20
	DFT-s-OFDM 16QAM	1	1	18.95	18.85	18.95	19.20
	DFT-s-OFDM 64QAM	1	1	19.11	19.01	18.96	19.20
	DFT-s-OFDM 256QAM	1	1	18.89	18.94	18.50	19.20
	CP-OFDM QPSK	1	1	18.78	18.66	18.59	19.20
	CP-OFDM 16QAM	1	1	18.80	18.66	18.57	19.20
	CP-OFDM 64QAM	1	1	18.98	18.65	18.33	19.20
CP-OFDM 256QAM	1	1	18.91	18.53	18.68	16.70	

## N38-State18\_Ant.3

Bandwidth (MHz)		Channel		516000	519000	522000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	15.01	<b>15.04</b>	14.96	15.20
Bandwidth (MHz)		Channel		517000	519000	521000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	14.95	<b>15.03</b>	14.94	15.20
		1	39	15.00	15.01	14.91	15.20
		1	76	14.94	14.87	14.98	15.20
	DFT-s-OFDM BPSK	36	0	14.55	<b>14.96</b>	14.79	15.20
		36	21	14.29	14.35	14.59	15.20
		36	42	14.65	14.21	14.65	15.20
	DFT-s-OFDM BPSK	72	0	14.73	14.98	14.86	15.20
	DFT-s-OFDM QPSK	1	1	14.33	14.50	14.46	15.20
	DFT-s-OFDM 16QAM	1	1	14.39	14.37	14.57	15.20
	DFT-s-OFDM 64QAM	1	1	14.60	14.49	14.52	15.20
	DFT-s-OFDM 256QAM	1	1	14.61	14.45	14.42	15.20
	CP-OFDM QPSK	1	1	14.40	14.30	14.30	15.20
	CP-OFDM 16QAM	1	1	14.32	14.50	14.83	15.20
	CP-OFDM 64QAM	1	1	14.50	14.15	14.44	15.20
CP-OFDM 256QAM	1	1	14.80	14.53	14.76	15.20	

## 8.5.13 NR Band38 (Ant.4) Output Power

**N38-State17\_Ant.4**

Bandwidth (MHz)		Channel		516000	519000	522000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.75	23.76	<b>23.78</b>	24.20
Bandwidth (MHz)		Channel		517000	519000	521000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.68	23.72	23.74	24.20
		1	39	23.61	23.56	23.72	24.20
		1	76	<b>23.80</b>	23.78	23.68	24.20
	DFT-s-OFDM BPSK	36	0	<b>23.39</b>	23.34	23.29	24.20
		36	21	23.34	23.15	22.99	24.20
		36	42	23.36	22.93	23.28	24.20
	DFT-s-OFDM BPSK	72	0	23.29	23.13	23.40	24.20
	DFT-s-OFDM QPSK	1	1	23.39	23.17	23.74	24.20
	DFT-s-OFDM 16QAM	1	1	22.73	22.99	22.90	23.20
	DFT-s-OFDM 64QAM	1	1	20.81	20.43	20.63	21.70
	DFT-s-OFDM 256QAM	1	1	19.25	18.98	19.32	19.70
	CP-OFDM QPSK	1	1	22.46	21.85	21.91	22.70
	CP-OFDM 16QAM	1	1	21.01	21.15	20.98	22.20
	CP-OFDM 64QAM	1	1	20.38	20.04	20.03	20.70
CP-OFDM 256QAM	1	1	16.40	16.59	16.71	17.70	

## N38-State18\_Ant.4

Bandwidth (MHz)		Channel		516000	519000	522000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.75	23.76	<b>23.78</b>	24.20
Bandwidth (MHz)		Channel		517000	519000	521000	Tune-up power(dB)
	Modulation	RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.68	23.72	23.74	24.20
		1	39	23.61	23.56	23.72	24.20
		1	76	<b>23.80</b>	23.78	23.68	24.20
	DFT-s-OFDM BPSK	36	0	<b>23.39</b>	23.34	23.29	24.20
		36	21	23.34	23.15	22.99	24.20
		36	42	23.36	22.93	23.28	24.20
	DFT-s-OFDM BPSK	72	0	23.29	23.13	23.40	24.20
	DFT-s-OFDM QPSK	1	1	23.39	23.17	23.74	24.20
	DFT-s-OFDM 16QAM	1	1	22.73	22.99	22.90	23.20
	DFT-s-OFDM 64QAM	1	1	20.81	20.43	20.63	21.70
	DFT-s-OFDM 256QAM	1	1	19.25	18.98	19.32	19.70
	CP-OFDM QPSK	1	1	22.46	21.85	21.91	22.70
	CP-OFDM 16QAM	1	1	21.01	21.15	20.98	22.20
	CP-OFDM 64QAM	1	1	20.38	20.04	20.03	20.70
CP-OFDM 256QAM	1	1	16.40	16.59	16.71	17.70	

## 8.5.13 NR Band41 (Ant.3) Output Power

## N41-State17\_Ant.3

Bandwidth (MHz)		Channel		501204	509898	518598	527298	535998	Tune-up power(dB)
20	Modulation	RB Size	RB offset	2506.02	2549.49	2592.99	2636.49	2679.99	
	DFT-s-OFDM BPSK	1	1	17.90	17.65	17.88	17.80	17.77	18.20
30	Modulation	Channel		502200	510396	518598	526794	534996	Tune-up power(dB)
	DFT-s-OFDM BPSK	RB Size	RB offset	2511	2551.98	2592.99	2633.97	2674.98	
40	Modulation	Channel		503202	510900	518598	526296	534000	Tune-up power(dB)
	DFT-s-OFDM BPSK	RB Size	RB offset	2516.01	2554.5	2592.99	2631.48	2670	
50	Modulation	Channel		504204	511401	518598	525795	532998	Tune-up power(dB)
	DFT-s-OFDM BPSK	RB Size	RB offset	2521.02	2557.005	2592.99	2628.975	2664.99	
60	Modulation	Channel		505200	511899	518598	525297	531996	Tune-up power(dB)
	DFT-s-OFDM BPSK	RB Size	RB offset	2526	2559.495	2592.99	2626.485	2659.98	
70	Modulation	Channel		506202	512400	518598	524796	531000	Tune-up power(dB)
	DFT-s-OFDM BPSK	RB Size	RB offset	2531.01	2562	2592.99	2623.98	2655	
80	Modulation	Channel		507204	512901	518598	524295	529998	Tune-up power(dB)
	DFT-s-OFDM BPSK	RB Size	RB offset	2536.02	2564.505	2592.99	2621.475	2649.99	
90	Modulation	Channel		508200	513399	518598	523797	528996	Tune-up power(dB)
	DFT-s-OFDM BPSK	RB Size	RB offset	2541	2566.995	2592.99	2618.985	2644.98	
100	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
	DFT-s-OFDM BPSK	RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	17.78	17.80	17.81	17.74	17.72	18.20
		1	137	<b>17.89</b>	17.69	17.63	17.57	17.60	18.20
		1	271	17.69	17.61	17.66	17.67	17.64	18.20
	DFT-s-OFDM BPSK	135	0	17.69	17.83	<b>17.84</b>	17.74	17.59	18.20
		135	69	17.82	17.72	17.77	17.73	17.42	18.20
		135	138	17.76	17.73	17.60	17.42	17.06	18.20
	DFT-s-OFDM BPSK	270	0	16.99	17.10	17.67	16.94	17.16	18.20
	DFT-s-OFDM QPSK	1	1	17.45	17.08	17.18	17.04	17.08	18.20
	DFT-s-OFDM 16QAM	1	1	17.27	17.18	17.24	16.76	16.33	18.20
	DFT-s-OFDM 64QAM	1	1	16.95	17.28	17.06	16.94	17.34	18.20
	DFT-s-OFDM 256QAM	1	1	17.33	17.34	17.21	17.02	17.08	18.20
	CP-OFDM QPSK	1	1	17.42	17.15	17.01	17.15	17.15	18.20
	CP-OFDM 16QAM	1	1	17.07	17.30	17.27	16.73	16.18	18.20
	CP-OFDM 64QAM	1	1	16.93	17.50	17.21	16.92	17.24	18.20
CP-OFDM 256QAM	1	1	17.28	17.42	16.94	17.11	17.08	16.70	

## N41-State18\_Ant.3

Bandwidth (MHz)		Channel		501204	509898	518598	527298	535998	Tune-up power(dB)
20	Modulation	RB Size	RB offset	2506.02	2549.49	2592.99	2636.49	2679.99	
	DFT-s-OFDM BPSK	1	1	14.25	14.29	14.17	14.25	14.05	15.20
Bandwidth (MHz)		Channel		502200	510396	518598	526794	534996	Tune-up power(dB)
	Modulation	RB Size	RB offset	2511	2551.98	2592.99	2633.97	2674.98	
30	DFT-s-OFDM BPSK	1	1	14.43	14.29	14.44	14.06	14.09	15.20
	Modulation	RB Size	RB offset	2516.01	2554.5	2592.99	2631.48	2670	
Bandwidth (MHz)		Channel		503202	510900	518598	526296	534000	Tune-up power(dB)
	DFT-s-OFDM BPSK	1	1	14.37	14.40	14.31	14.27	14.14	15.20
40	Modulation	RB Size	RB offset	2521.02	2557.005	2592.99	2628.975	2664.99	
	DFT-s-OFDM BPSK	1	1	14.19	14.12	14.17	14.18	14.22	15.20
Bandwidth (MHz)		Channel		505200	511899	518598	525297	531996	Tune-up power(dB)
	Modulation	RB Size	RB offset	2526	2559.495	2592.99	2626.485	2659.98	
60	DFT-s-OFDM BPSK	1	1	14.22	14.22	14.30	14.25	14.02	15.20
	Modulation	RB Size	RB offset	2531.01	2562	2592.99	2623.98	2655	
Bandwidth (MHz)		Channel		506202	512400	518598	524796	531000	Tune-up power(dB)
	DFT-s-OFDM BPSK	1	1	14.17	14.33	14.36	14.21	14.03	15.20
70	Modulation	RB Size	RB offset	2536.02	2564.505	2592.99	2621.475	2649.99	
	DFT-s-OFDM BPSK	1	1	14.40	14.41	14.40	14.29	14.27	15.20
Bandwidth (MHz)		Channel		508200	513399	518598	523797	528996	Tune-up power(dB)
	Modulation	RB Size	RB offset	2541	2566.995	2592.99	2618.985	2644.98	
90	DFT-s-OFDM BPSK	1	1	14.37	14.27	14.24	14.18	14.06	15.20
	Modulation	RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	14.14	14.15	<b>14.18</b>	14.12	14.10	15.20
		1	137	14.07	14.08	13.99	13.95	14.05	15.20
		1	271	14.04	13.88	14.06	14.02	13.98	15.20
	DFT-s-OFDM BPSK	135	0	14.15	14.31	14.18	14.08	14.29	15.20
		135	69	14.25	14.07	<b>14.47</b>	14.15	13.98	15.20
		135	138	14.31	14.16	14.13	13.89	13.54	15.20
	DFT-s-OFDM BPSK	270	0	13.69	13.69	<b>14.10</b>	13.71	13.70	15.20
	DFT-s-OFDM QPSK	1	1	13.80	13.79	13.70	13.42	13.47	15.20
	DFT-s-OFDM 16QAM	1	1	13.60	13.69	13.76	13.28	12.85	15.20
	DFT-s-OFDM 64QAM	1	1	13.62	13.96	13.51	13.55	13.87	15.20
	DFT-s-OFDM 256QAM	1	1	13.85	13.62	13.57	13.67	13.61	15.20
	CP-OFDM QPSK	1	1	13.60	13.80	13.76	13.31	12.89	15.20
	CP-OFDM 16QAM	1	1	13.45	13.71	13.57	13.47	13.58	15.20
	CP-OFDM 64QAM	1	1	13.91	13.63	13.59	13.75	13.52	15.20
	CP-OFDM 256QAM	1	1	13.76	13.64	13.67	13.51	13.40	15.20

## 8.5.14 NR Band41 (Ant.4) Output Power

## N41-State17\_Ant.4

Bandwidth (MHz)		Channel		501204	509898	518598	527298	535998	Tune-up power(dB)
20	Modulation	RB Size	RB offset	2506.02	2549.49	2592.99	2636.49	2679.99	
	DFT-s-OFDM BPSK	1	1	18.29	18.61	18.76	18.53	18.70	19.20
Bandwidth (MHz)		Channel		502200	510396	518598	526794	534996	Tune-up power(dB)
	Modulation	RB Size	RB offset	2511	2551.98	2592.99	2633.97	2674.98	
30	DFT-s-OFDM BPSK	1	1	18.33	18.49	18.69	18.29	18.64	19.20
	Modulation	RB Size	RB offset	2516.01	2554.5	2592.99	2631.48	2670	
Bandwidth (MHz)		Channel		503202	510900	518598	526296	534000	Tune-up power(dB)
	DFT-s-OFDM BPSK	1	1	18.56	18.34	18.70	18.48	18.88	19.20
40	Modulation	RB Size	RB offset	2521.02	2557.005	2592.99	2628.975	2664.99	
	DFT-s-OFDM BPSK	1	1	18.31	18.41	18.79	18.53	18.72	19.20
Bandwidth (MHz)		Channel		505200	511899	518598	525297	531996	Tune-up power(dB)
	Modulation	RB Size	RB offset	2526	2559.495	2592.99	2626.485	2659.98	
50	DFT-s-OFDM BPSK	1	1	18.46	18.47	18.88	18.34	18.72	19.20
	Modulation	RB Size	RB offset	2531.01	2562	2592.99	2623.98	2655	
Bandwidth (MHz)		Channel		506202	512400	518598	524796	531000	Tune-up power(dB)
	DFT-s-OFDM BPSK	1	1	18.48	18.60	18.66	18.29	18.66	19.20
70	Modulation	RB Size	RB offset	2536.02	2564.505	2592.99	2621.475	2649.99	
	DFT-s-OFDM BPSK	1	1	18.38	18.35	18.90	18.33	18.73	19.20
Bandwidth (MHz)		Channel		508200	513399	518598	523797	528996	Tune-up power(dB)
	Modulation	RB Size	RB offset	2541	2566.995	2592.99	2618.985	2644.98	
80	DFT-s-OFDM BPSK	1	1	18.55	18.36	18.90	18.41	18.72	19.20
	Modulation	RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
Bandwidth (MHz)		Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
	DFT-s-OFDM BPSK	1	1	18.68	18.84	18.86	18.81	18.77	19.20
100	DFT-s-OFDM BPSK	1	137	<b>18.87</b>	18.70	18.71	18.63	18.67	19.20
		1	271	18.77	18.74	18.77	18.83	18.73	19.20
		135	0	18.55	18.39	18.76	18.31	18.86	19.20
	DFT-s-OFDM BPSK	135	69	18.74	18.62	18.68	18.76	18.77	19.20
		135	138	18.48	18.73	<b>18.92</b>	18.90	17.66	19.20
		270	0	17.85	18.06	18.70	17.99	18.30	19.20
	DFT-s-OFDM QPSK	1	1	18.35	18.07	18.12	18.40	18.38	19.20
	DFT-s-OFDM 16QAM	1	1	17.93	18.15	18.25	18.37	17.16	19.20
	DFT-s-OFDM 64QAM	1	1	17.86	18.11	18.17	17.97	18.28	19.20
	DFT-s-OFDM 256QAM	1	1	18.18	18.15	18.12	18.22	18.12	19.20
	CP-OFDM QPSK	1	1	18.39	18.81	18.95	18.91	17.51	19.20
	CP-OFDM 16QAM	1	1	17.91	18.03	17.94	17.91	18.02	19.20
	CP-OFDM 64QAM	1	1	18.36	18.29	18.10	18.20	18.36	19.20
	CP-OFDM 256QAM	1	1	16.72	16.80	16.49	16.66	16.69	17.70



## N41-State18\_Ant.4

Bandwidth (MHz)		Channel		501204	509898	518598	527298	535998	Tune-up
	Modulation	RB Size	RB offset	2506.02	2549.49	2592.99	2636.49	2679.99	power(dB)
20	DFT-s-OFDM BPSK	1	1	23.32	23.60	23.76	23.47	23.86	24.20
		Channel		502200	510396	518598	526794	534996	Tune-up
Bandwidth (MHz)	Modulation	RB Size	RB offset	2511	2551.98	2592.99	2633.97	2674.98	power(dB)
30	DFT-s-OFDM BPSK	1	1	23.42	23.39	23.71	23.45	23.94	24.20
		Channel		503202	510900	518598	526296	534000	Tune-up
Bandwidth (MHz)	Modulation	RB Size	RB offset	2516.01	2554.5	2592.99	2631.48	2670	power(dB)
40	DFT-s-OFDM BPSK	1	1	23.35	23.52	23.63	23.55	23.89	24.20
		Channel		504204	511401	518598	525795	532998	Tune-up
Bandwidth (MHz)	Modulation	RB Size	RB offset	2521.02	2557.005	2592.99	2628.975	2664.99	power(dB)
50	DFT-s-OFDM BPSK	1	1	23.46	23.44	23.74	23.35	23.89	24.20
		Channel		505200	511899	518598	525297	531996	Tune-up
Bandwidth (MHz)	Modulation	RB Size	RB offset	2526	2559.495	2592.99	2626.485	2659.98	power(dB)
60	DFT-s-OFDM BPSK	1	1	23.38	23.56	23.74	23.50	23.68	24.20
		Channel		506202	512400	518598	524796	531000	Tune-up
Bandwidth (MHz)	Modulation	RB Size	RB offset	2531.01	2562	2592.99	2623.98	2655	power(dB)
70	DFT-s-OFDM BPSK	1	1	23.28	23.34	23.88	23.31	23.87	24.20
		Channel		507204	512901	518598	524295	529998	Tune-up
Bandwidth (MHz)	Modulation	RB Size	RB offset	2536.02	2564.505	2592.99	2621.475	2649.99	power(dB)
80	DFT-s-OFDM BPSK	1	1	23.43	23.40	23.83	23.45	23.83	24.20
		Channel		508200	513399	518598	523797	528996	Tune-up
Bandwidth (MHz)	Modulation	RB Size	RB offset	2541	2566.995	2592.99	2618.985	2644.98	power(dB)
90	DFT-s-OFDM BPSK	1	1	23.37	23.37	23.77	23.55	23.88	24.20
		Channel		509202	513900	518598	523302	528000	Tune-up
Bandwidth (MHz)	Modulation	RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	power(dB)
100	DFT-s-OFDM BPSK	1	1	23.43	23.48	23.76	23.44	23.79	24.20
		1	137	23.74	23.60	23.64	23.70	23.75	24.20
		1	271	23.49	23.82	<b>23.85</b>	23.84	22.60	24.20
	DFT-s-OFDM BPSK	135	0	22.88	23.07	23.00	22.97	23.16	24.20
		135	69	23.27	23.20	23.09	23.25	23.25	24.20
		135	138	23.00	23.30	<b>23.41</b>	23.29	22.24	24.20
	DFT-s-OFDM BPSK	270	0	23.01	23.00	23.16	22.95	23.21	24.20
	DFT-s-OFDM QPSK	1	1	23.17	23.14	23.12	23.12	23.14	24.20
	DFT-s-OFDM 16QAM	1	1	22.81	22.59	22.78	22.63	22.67	23.70
	DFT-s-OFDM 64QAM	1	1	20.89	21.35	21.46	21.36	20.02	22.20
	DFT-s-OFDM 256QAM	1	1	18.53	18.65	18.47	18.32	18.52	19.70
	CP-OFDM QPSK	1	1	21.88	21.57	21.63	21.60	21.83	22.70
	CP-OFDM 16QAM	1	1	21.13	21.37	21.20	21.19	20.39	22.70
	CP-OFDM 64QAM	1	1	19.39	19.57	19.71	19.40	19.79	20.70
CP-OFDM 256QAM	1	1	16.70	16.79	16.51	16.61	16.69	17.70	

## 8.5.15 NR Band41 (Ant.5) Output Power

## N41-State17\_Ant.5

Bandwidth (MHz)		Channel		501204	509898	518598	527298	535998	Tune-up
	Modulation	RB Size	RB offset	2506.02	2549.49	2592.99	2636.49	2679.99	power(dB)
20	DFT-s-OFDM BPSK	1	1	16.70	16.77	16.58	16.86	16.53	17.20
Bandwidth (MHz)		Channel		502200	510396	518598	526794	534996	Tune-up
	Modulation	RB Size	RB offset	2511	2551.98	2592.99	2633.97	2674.98	power(dB)
30	DFT-s-OFDM BPSK	1	1	16.81	16.67	16.75	16.66	16.47	17.20
Bandwidth (MHz)		Channel		503202	510900	518598	526296	534000	Tune-up
	Modulation	RB Size	RB offset	2516.01	2554.5	2592.99	2631.48	2670	power(dB)
40	DFT-s-OFDM BPSK	1	1	16.77	16.60	16.78	16.69	16.58	17.20
Bandwidth (MHz)		Channel		504204	511401	518598	525795	532998	Tune-up
	Modulation	RB Size	RB offset	2521.02	2557.005	2592.99	2628.975	2664.99	power(dB)
50	DFT-s-OFDM BPSK	1	1	16.84	16.62	16.58	16.67	16.68	17.20
Bandwidth (MHz)		Channel		505200	511899	518598	525297	531996	Tune-up
	Modulation	RB Size	RB offset	2526	2559.495	2592.99	2626.485	2659.98	power(dB)
60	DFT-s-OFDM BPSK	1	1	16.62	16.77	16.67	16.69	16.43	17.20
Bandwidth (MHz)		Channel		506202	512400	518598	524796	531000	Tune-up
	Modulation	RB Size	RB offset	2531.01	2562	2592.99	2623.98	2655	power(dB)
70	DFT-s-OFDM BPSK	1	1	16.76	16.60	16.58	16.71	16.41	17.20
Bandwidth (MHz)		Channel		507204	512901	518598	524295	529998	Tune-up
	Modulation	RB Size	RB offset	2536.02	2564.505	2592.99	2621.475	2649.99	power(dB)
80	DFT-s-OFDM BPSK	1	1	16.61	16.75	16.78	16.85	16.62	17.20
Bandwidth (MHz)		Channel		508200	513399	518598	523797	528996	Tune-up
	Modulation	RB Size	RB offset	2541	2566.995	2592.99	2618.985	2644.98	power(dB)
90	DFT-s-OFDM BPSK	1	1	16.78	16.55	16.59	16.59	16.60	17.20
Bandwidth (MHz)		Channel		509202	513900	518598	523302	528000	Tune-up
	Modulation	RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	power(dB)
100	DFT-s-OFDM BPSK	1	1	<b>16.98</b>	16.86	16.82	16.89	16.86	17.20
		1	137	16.87	16.87	16.80	16.92	16.95	17.20
		1	271	16.79	16.88	16.96	16.87	16.97	17.20
	DFT-s-OFDM BPSK	135	0	16.56	16.56	16.82	16.77	16.67	17.20
		135	69	16.95	16.72	16.49	16.61	16.84	17.20
		135	138	16.85	16.90	<b>16.97</b>	16.94	16.28	17.20
	DFT-s-OFDM BPSK	270	0	16.07	16.49	16.83	16.26	16.57	17.20
	DFT-s-OFDM QPSK	1	1	16.43	16.65	16.27	16.70	16.41	17.20
	DFT-s-OFDM 16QAM	1	1	16.33	16.77	16.61	16.62	15.72	17.20
	DFT-s-OFDM 64QAM	1	1	16.07	16.36	15.53	16.44	16.55	17.20
	DFT-s-OFDM 256QAM	1	1	16.67	16.37	16.26	16.21	16.47	17.20
	CP-OFDM QPSK	1	1	16.43	16.59	16.35	16.46	16.62	17.20
	CP-OFDM 16QAM	1	1	16.54	16.72	16.40	16.43	15.70	17.20
	CP-OFDM 64QAM	1	1	16.31	16.46	15.67	16.20	16.74	17.20
CP-OFDM 256QAM	1	1	16.73	16.28	16.26	16.20	16.44	17.20	

## N41-State18\_Ant.5

Bandwidth (MHz)		Channel		501204	509898	518598	527298	535998	Tune-up
	Modulation	RB Size	RB offset	2506.02	2549.49	2592.99	2636.49	2679.99	power(dB)
20	DFT-s-OFDM BPSK	1	1	14.83	14.91	14.87	14.74	14.64	15.20
Bandwidth (MHz)		Channel		502200	510396	518598	526794	534996	Tune-up
	Modulation	RB Size	RB offset	2511	2551.98	2592.99	2633.97	2674.98	power(dB)
30	DFT-s-OFDM BPSK	1	1	14.75	14.75	14.72	14.80	14.61	15.20
Bandwidth (MHz)		Channel		503202	510900	518598	526296	534000	Tune-up
	Modulation	RB Size	RB offset	2516.01	2554.5	2592.99	2631.48	2670	power(dB)
40	DFT-s-OFDM BPSK	1	1	14.78	14.91	14.72	14.95	14.79	15.20
Bandwidth (MHz)		Channel		504204	511401	518598	525795	532998	Tune-up
	Modulation	RB Size	RB offset	2521.02	2557.005	2592.99	2628.975	2664.99	power(dB)
50	DFT-s-OFDM BPSK	1	1	14.90	14.79	14.58	14.68	14.69	15.20
Bandwidth (MHz)		Channel		505200	511899	518598	525297	531996	Tune-up
	Modulation	RB Size	RB offset	2526	2559.495	2592.99	2626.485	2659.98	power(dB)
60	DFT-s-OFDM BPSK	1	1	14.91	14.72	14.66	14.96	14.72	15.20
Bandwidth (MHz)		Channel		506202	512400	518598	524796	531000	Tune-up
	Modulation	RB Size	RB offset	2531.01	2562	2592.99	2623.98	2655	power(dB)
70	DFT-s-OFDM BPSK	1	1	14.81	14.77	14.58	14.89	14.76	15.20
Bandwidth (MHz)		Channel		507204	512901	518598	524295	529998	Tune-up
	Modulation	RB Size	RB offset	2536.02	2564.505	2592.99	2621.475	2649.99	power(dB)
80	DFT-s-OFDM BPSK	1	1	14.68	14.70	14.60	14.90	14.77	15.20
Bandwidth (MHz)		Channel		508200	513399	518598	523797	528996	Tune-up
	Modulation	RB Size	RB offset	2541	2566.995	2592.99	2618.985	2644.98	power(dB)
90	DFT-s-OFDM BPSK	1	1	14.70	14.66	14.77	14.96	14.51	15.20
Bandwidth (MHz)		Channel		509202	513900	518598	523302	528000	Tune-up
	Modulation	RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	power(dB)
100	DFT-s-OFDM BPSK	1	1	14.75	14.96	<b>15.06</b>	15.00	14.89	15.20
		1	137	14.88	14.85	14.81	14.90	14.97	15.20
		1	271	14.92	14.84	14.92	15.03	15.00	15.20
	DFT-s-OFDM BPSK	135	0	14.82	14.75	14.81	14.75	14.61	15.20
		135	69	14.96	14.71	14.56	14.68	14.99	15.20
		135	138	14.85	14.85	<b>15.05</b>	15.01	14.45	15.20
	DFT-s-OFDM BPSK	270	0	14.42	14.64	14.86	14.59	14.49	15.20
	DFT-s-OFDM QPSK	1	1	14.50	14.75	14.55	14.67	14.53	15.20
	DFT-s-OFDM 16QAM	1	1	14.44	14.74	14.68	14.79	13.75	15.20
	DFT-s-OFDM 64QAM	1	1	14.20	14.46	13.93	14.54	14.79	15.20
	DFT-s-OFDM 256QAM	1	1	14.78	14.26	14.46	14.34	14.50	15.20
	CP-OFDM QPSK	1	1	14.49	14.55	14.61	14.78	14.75	15.20
	CP-OFDM 16QAM	1	1	14.47	14.81	14.70	14.67	13.58	15.20
	CP-OFDM 64QAM	1	1	14.32	14.44	13.64	14.31	14.68	15.20
CP-OFDM 256QAM	1	1	14.77	14.34	14.49	14.57	14.68	15.20	

8.5.16 NR Band66 (Ant.3) Output Power  
N66-State17\_Ant.3(For SA)

Bandwidth (MHz)		Channel		342500	349000	355500	Tune-up power(dB)
	Modulation	RB Size	RB offset	12712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	19.13	18.97	19.20	19.70
Bandwidth (MHz)		Channel		343000	349000	355000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	19.26	19.09	18.98	19.70
Bandwidth (MHz)		Channel		343500	349000	354500	Tune-up power(dB)
	Modulation	RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	19.24	19.14	19.19	19.70
Bandwidth (MHz)		Channel		344000	349000	354000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	19.14	19.12	19.06	19.70
Bandwidth (MHz)		Channel		344500	349000	353500	Tune-up power(dB)
	Modulation	RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	19.30	19.13	19.07	19.70
Bandwidth (MHz)		Channel		345000	349000	353000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	19.24	18.92	19.17	19.70
Bandwidth (MHz)		Channel		346000	349000	352000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	19.37	19.31	19.35	19.70
		1	108	19.21	18.31	19.36	19.70
		1	214	19.43	<b>19.44</b>	19.21	19.70
	DFT-s-OFDM BPSK	108	0	19.33	<b>19.35</b>	19.09	19.70
		108	54	19.18	17.44	18.93	19.70
		108	108	18.55	18.57	18.61	19.70
	DFT-s-OFDM BPSK	216	0	18.86	18.54	18.73	19.70
	DFT-s-OFDM QPSK	1	1	18.50	18.26	18.60	19.70
	DFT-s-OFDM 16QAM	1	1	18.59	18.63	18.30	19.70
	DFT-s-OFDM 64QAM	1	1	18.36	18.11	18.64	19.70
	DFT-s-OFDM 256QAM	1	1	18.01	18.05	17.87	19.20
	CP-OFDM QPSK	1	1	18.33	18.28	18.73	19.70
	CP-OFDM 16QAM	1	1	18.78	18.46	18.38	19.70
CP-OFDM 64QAM	1	1	18.32	18.29	18.73	19.70	
CP-OFDM 256QAM	1	1	16.48	16.48	16.12	17.20	

### N66-State17\_Ant.3(For NSA)

Bandwidth (MHz)		Channel		342500	349000	355500	Tune-up power(dB)
	Modulation	RB Size	RB offset	12712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	15.93	15.90	15.73	16.20
Bandwidth (MHz)		Channel		343000	349000	355000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	15.92	15.76	15.80	16.20
Bandwidth (MHz)		Channel		343500	349000	354500	Tune-up power(dB)
	Modulation	RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	15.98	15.88	15.86	16.20
Bandwidth (MHz)		Channel		344000	349000	354000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	15.79	15.68	15.71	16.20
Bandwidth (MHz)		Channel		345000	349000	353000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	15.90	15.67	15.79	16.20
Bandwidth (MHz)		Channel		346000	349000	352000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	15.90	<b>15.92</b>	15.83	16.20
		1	106	15.71	14.94	15.75	16.20
		1	214	15.87	15.72	15.72	16.20
	DFT-s-OFDM BPSK	108	0	15.87	15.76	15.85	16.20
		108	54	15.75	<b>15.91</b>	15.67	16.20
		108	108	15.63	15.73	15.48	16.20
	DFT-s-OFDM BPSK	216	0	15.87	14.63	15.64	16.20
	DFT-s-OFDM QPSK	1	1	15.59	15.88	15.70	16.20
	DFT-s-OFDM 16QAM	1	1	15.79	15.59	15.59	16.20
	DFT-s-OFDM 64QAM	1	1	16.16	15.62	15.94	16.20
	DFT-s-OFDM 256QAM	1	1	15.79	15.96	15.44	16.20
	CP-OFDM QPSK	1	1	15.79	15.71	15.76	16.20
	CP-OFDM 16QAM	1	1	15.75	16.06	15.62	16.20
	CP-OFDM 64QAM	1	1	15.72	15.81	15.68	16.20
CP-OFDM 256QAM	1	1	15.99	15.71	15.63	16.20	

### N66-State18\_Ant.3(For SA)

Bandwidth (MHz)		Channel		342500	349000	355500	Tune-up
	Modulation	RB Size	RB offset	12712.5	1745	1777.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	16.46	16.22	16.20	16.70
Bandwidth (MHz)		Channel		343000	349000	355000	Tune-up
	Modulation	RB Size	RB offset	1715	1745	1775	power(dB)
10	DFT-s-OFDM BPSK	1	1	16.45	16.26	16.21	16.70
Bandwidth (MHz)		Channel		343500	349000	354500	Tune-up
	Modulation	RB Size	RB offset	1717.5	1745	1772.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	16.34	16.13	16.33	16.70
Bandwidth (MHz)		Channel		344000	349000	354000	Tune-up
	Modulation	RB Size	RB offset	1720	1745	1770	power(dB)
20	DFT-s-OFDM BPSK	1	1	16.41	16.30	16.48	16.70
Bandwidth (MHz)		Channel		344500	349000	353500	Tune-up
	Modulation	RB Size	RB offset	1722.5	1745	1767.5	power(dB)
25	DFT-s-OFDM BPSK	1	1	16.30	16.26	16.23	16.70
Bandwidth (MHz)		Channel		345000	349000	353000	Tune-up
	Modulation	RB Size	RB offset	1725	1745	1765	power(dB)
30	DFT-s-OFDM BPSK	1	1	16.35	16.18	16.25	16.70
Bandwidth (MHz)		Channel		346000	349000	352000	Tune-up
	Modulation	RB Size	RB offset	1730	1745	1760	power(dB)
40	DFT-s-OFDM BPSK	1	1	16.35	<b>16.38</b>	<b>16.38</b>	16.70
		1	108	15.48	15.47	13.63	16.70
		1	214	16.28	16.30	16.20	16.70
	DFT-s-OFDM BPSK	108	0	16.31	<b>16.41</b>	16.35	16.70
		108	54	16.22	14.70	16.16	16.70
		108	108	15.98	15.89	15.63	16.70
	DFT-s-OFDM BPSK	216	0	15.92	15.46	15.94	16.70
	DFT-s-OFDM QPSK	1	1	15.70	15.30	15.91	16.70
	DFT-s-OFDM 16QAM	1	1	15.95	15.80	15.52	16.70
	DFT-s-OFDM 64QAM	1	1	15.67	15.54	16.06	16.70
	DFT-s-OFDM 256QAM	1	1	15.39	15.33	15.03	16.70
	CP-OFDM QPSK	1	1	15.58	15.53	15.88	16.70
	CP-OFDM 16QAM	1	1	15.69	15.91	15.63	16.70
	CP-OFDM 64QAM	1	1	15.45	15.43	16.06	16.70
CP-OFDM 256QAM	1	1	15.25	15.28	15.21	16.70	

### N66-State18\_Ant.3(For NSA)

Bandwidth (MHz)		Channel		342500	349000	355500	Tune-up power(dB)
	Modulation	RB Size	RB offset	12712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	13.80	13.92	13.94	14.20
Bandwidth (MHz)		Channel		343000	349000	355000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	13.77	13.70	13.79	14.20
Bandwidth (MHz)		Channel		343500	349000	354500	Tune-up power(dB)
	Modulation	RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	13.75	13.79	13.97	14.20
Bandwidth (MHz)		Channel		344000	349000	354000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	13.66	13.66	13.75	14.20
Bandwidth (MHz)		Channel		345000	349000	353000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	13.75	13.78	13.73	14.20
Bandwidth (MHz)		Channel		346000	349000	352000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	13.82	<b>13.85</b>	13.77	14.20
		1	108	13.82	13.01	13.57	14.20
		1	214	13.79	13.84	13.64	14.20
	DFT-s-OFDM BPSK	108	0	13.47	<b>13.82</b>	13.48	14.20
		108	54	13.26	13.40	13.13	14.20
		108	108	13.26	13.08	13.18	14.20
	DFT-s-OFDM BPSK	216	0	13.65	12.87	13.05	14.20
	DFT-s-OFDM QPSK	1	1	13.24	13.37	13.30	14.20
	DFT-s-OFDM 16QAM	1	1	13.51	13.14	13.09	14.20
	DFT-s-OFDM 64QAM	1	1	13.62	13.00	13.43	14.20
	DFT-s-OFDM 256QAM	1	1	13.47	13.42	13.16	14.20
	CP-OFDM QPSK	1	1	13.26	13.30	13.21	14.20
	CP-OFDM 16QAM	1	1	13.43	13.37	13.32	14.20
	CP-OFDM 64QAM	1	1	13.32	13.45	13.23	14.20
CP-OFDM 256QAM	1	1	13.43	13.17	13.20	14.20	

## 8.5.17 NR Band66 (Ant.4) Output Power

## N66-State17\_Ant.4

Bandwidth (MHz)		Channel		342500	349000	355500	Tune-up power(dB)
	Modulation	RB Size	RB offset	12712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	22.06	21.72	21.75	22.20
Bandwidth (MHz)		Channel		343000	349000	355000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	22.10	22.02	21.87	22.20
Bandwidth (MHz)		Channel		343500	349000	354500	Tune-up power(dB)
	Modulation	RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	22.05	21.87	21.81	22.20
Bandwidth (MHz)		Channel		344000	349000	354000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	21.99	21.77	21.84	22.20
Bandwidth (MHz)		Channel		345000	349000	353000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	21.94	21.92	21.94	22.20
Bandwidth (MHz)		Channel		346000	349000	352000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	21.95	21.80	21.94	22.20
		1	108	<b>22.16</b>	21.19	21.94	22.20
		1	214	21.30	21.20	21.44	22.20
	DFT-s-OFDM BPSK	108	0	<b>21.85</b>	21.56	21.31	22.20
		108	54	21.09	21.05	21.12	22.20
		108	108	21.13	21.21	20.93	22.20
	DFT-s-OFDM BPSK	216	0	21.35	21.28	21.15	22.20
	DFT-s-OFDM QPSK	1	1	21.46	21.17	21.34	22.20
	DFT-s-OFDM 16QAM	1	1	21.00	21.62	21.35	22.20
	DFT-s-OFDM 64QAM	1	1	20.90	20.94	20.30	21.70
	DFT-s-OFDM 256QAM	1	1	19.14	18.77	18.62	19.70
	CP-OFDM QPSK	1	1	20.98	20.03	20.93	22.20
	CP-OFDM 16QAM	1	1	20.85	20.85	20.27	22.20
CP-OFDM 64QAM	1	1	19.73	19.76	19.80	20.70	
CP-OFDM 256QAM	1	1	16.79	16.67	16.85	17.70	



## N66-Full Power\_Ant.4

Bandwidth (MHz)		Channel		342500	349000	355500	Tune-up
	Modulation	RB Size	RB offset	12712.5	1745	1777.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	23.48	23.19	23.38	24.20
Bandwidth (MHz)		Channel		343000	349000	355000	Tune-up
	Modulation	RB Size	RB offset	1715	1745	1775	power(dB)
10	DFT-s-OFDM BPSK	1	1	23.33	23.25	23.29	24.20
Bandwidth (MHz)		Channel		343500	349000	354500	Tune-up
	Modulation	RB Size	RB offset	1717.5	1745	1772.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	23.43	23.34	23.46	24.20
Bandwidth (MHz)		Channel		344000	349000	354000	Tune-up
	Modulation	RB Size	RB offset	1720	1745	1770	power(dB)
20	DFT-s-OFDM BPSK	1	1	23.47	23.22	23.43	24.20
Bandwidth (MHz)		Channel		345000	349000	353000	Tune-up
	Modulation	RB Size	RB offset	1725	1745	1765	power(dB)
30	DFT-s-OFDM BPSK	1	1	23.41	23.29	23.44	24.20
Bandwidth (MHz)		Channel		346000	349000	352000	Tune-up
	Modulation	RB Size	RB offset	1730	1745	1760	power(dB)
40	DFT-s-OFDM BPSK	1	1	<b>23.95</b>	23.87	23.79	24.20
		1	108	23.61	22.30	20.23	24.20
		1	214	23.26	23.16	23.04	24.20
	DFT-s-OFDM BPSK	108	0	23.48	23.12	23.31	24.20
		108	54	23.10	<b>23.56</b>	23.27	24.20
		108	108	23.36	23.22	22.99	24.20
	DFT-s-OFDM BPSK	216	0	23.41	22.40	23.46	24.20
	DFT-s-OFDM QPSK	1	1	23.30	23.39	22.92	24.20
	DFT-s-OFDM 16QAM	1	1	22.30	22.65	22.01	23.20
	DFT-s-OFDM 64QAM	1	1	20.93	20.69	20.78	22.20
	DFT-s-OFDM 256QAM	1	1	19.07	18.87	18.64	20.20
	CP-OFDM QPSK	1	1	21.71	21.91	21.67	22.70
	CP-OFDM 16QAM	1	1	21.37	21.07	21.11	22.70
CP-OFDM 64QAM	1	1	19.87	19.64	19.93	21.20	
CP-OFDM 256QAM	1	1	16.74	16.77	16.72	18.20	

## 8.5.18 NR Band66 (Ant.6) Output Power

## N66-State 17\_Ant.6

Bandwidth (MHz)		Channel		342500	349000	355500	Tune-up power(dB)
	Modulation	RB Size	RB offset	12712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	19.19	19.09	18.91	19.50
Bandwidth (MHz)		Channel		343000	349000	355000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	19.35	19.03	18.94	19.50
Bandwidth (MHz)		Channel		343500	349000	354500	Tune-up power(dB)
	Modulation	RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	19.32	19.25	19.09	19.50
Bandwidth (MHz)		Channel		344000	349000	354000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	19.31	19.15	19.05	19.50
Bandwidth (MHz)		Channel		345000	349000	353000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	19.21	19.03	18.99	19.50
Bandwidth (MHz)		Channel		346000	349000	352000	Tune-up power(dB)
	Modulation	RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	19.21	<b>19.40</b>	19.11	19.50
		1	106	18.94	19.01	19.29	19.50
		1	214	19.04	18.99	18.88	19.50
	DFT-s-OFDM BPSK	108	0	19.34	19.10	19.14	19.50
		108	54	19.25	<b>19.36</b>	19.20	19.50
		108	108	18.15	18.07	18.25	19.50
	DFT-s-OFDM BPSK	216	0	18.21	18.23	18.36	19.50
	DFT-s-OFDM QPSK	1	1	19.12	17.92	19.16	19.50
	DFT-s-OFDM 16QAM	1	1	19.36	19.27	18.88	19.50
	DFT-s-OFDM 64QAM	1	1	17.90	17.85	17.95	19.50
	DFT-s-OFDM 256QAM	1	1	18.21	17.19	17.99	19.00
	CP-OFDM QPSK	1	1	18.98	18.04	19.02	19.50
	CP-OFDM 16QAM	1	1	19.04	17.80	18.91	19.50
CP-OFDM 64QAM	1	1	19.37	19.22	19.09	19.50	
CP-OFDM 256QAM	1	1	15.71	15.34	15.77	17.00	

## N66-State 18\_Ant.6

Bandwidth (MHz)		Channel		342500	349000	355500	Tune-up
	Modulation	RB Size	RB offset	12712.5	1745	1777.5	power(dB)
5	DFT-s-OFDM BPSK	1	1	16.20	16.11	16.02	16.50
Bandwidth (MHz)		Channel		343000	349000	355000	Tune-up
	Modulation	RB Size	RB offset	1715	1745	1775	power(dB)
10	DFT-s-OFDM BPSK	1	1	16.23	16.28	15.87	16.50
Bandwidth (MHz)		Channel		343500	349000	354500	Tune-up
	Modulation	RB Size	RB offset	1717.5	1745	1772.5	power(dB)
15	DFT-s-OFDM BPSK	1	1	16.35	16.26	15.86	16.50
Bandwidth (MHz)		Channel		344000	349000	354000	Tune-up
	Modulation	RB Size	RB offset	1720	1745	1770	power(dB)
20	DFT-s-OFDM BPSK	1	1	16.40	16.14	15.99	16.50
Bandwidth (MHz)		Channel		345000	349000	353000	Tune-up
	Modulation	RB Size	RB offset	1725	1745	1765	power(dB)
30	DFT-s-OFDM BPSK	1	1	16.19	16.28	15.98	16.50
Bandwidth (MHz)		Channel		346000	349000	352000	Tune-up
	Modulation	RB Size	RB offset	1730	1745	1760	power(dB)
40	DFT-s-OFDM BPSK	1	1	16.15	<b>16.24</b>	15.92	16.50
		1	106	15.82	15.94	16.06	16.50
		1	214	15.85	15.87	15.77	16.50
	DFT-s-OFDM BPSK	108	0	15.96	<b>16.05</b>	15.59	16.50
		108	54	15.97	15.86	15.66	16.50
		108	108	14.60	14.44	14.62	16.50
	DFT-s-OFDM BPSK	216	0	15.69	15.02	15.85	16.50
	DFT-s-OFDM QPSK	1	1	15.93	15.73	15.61	16.50
	DFT-s-OFDM 16QAM	1	1	15.88	15.80	15.78	16.50
	DFT-s-OFDM 64QAM	1	1	15.97	15.85	15.62	16.50
	DFT-s-OFDM 256QAM	1	1	15.18	15.07	15.33	16.50
	CP-OFDM QPSK	1	1	15.97	15.73	15.63	16.50
	CP-OFDM 16QAM	1	1	15.99	15.80	15.84	16.50
CP-OFDM 64QAM	1	1	15.05	14.91	15.26	16.50	
CP-OFDM 256QAM	1	1	15.14	15.13	15.31	16.50	

## 8.6 LTE Output Power With ENDC

### 8.6.1 LTE Band5 (Ant.0) Output Power

LTE B5-State17 -Ant.0

Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)		
1.4	1	LOW	QPSK	22.82	22.74	22.76	23.20		
		MID	QPSK	23.19	23.00	22.92	23.20		
		HIGH	QPSK	22.98	22.77	22.86	23.20		
	3	LOW	QPSK	21.78	21.83	21.89	23.20		
		MID	QPSK	21.93	21.97	21.93	23.20		
		HIGH	QPSK	22.03	21.99	21.83	23.20		
	6	LOW	QPSK	21.95	21.81	21.90	23.20		
	1.4	1	LOW	Q16	22.04	22.13	21.98	23.20	
			MID	Q16	22.15	22.00	21.87	23.20	
HIGH			Q16	21.90	21.87	21.64	23.20		
3		LOW	Q16	21.07	20.91	20.98	23.20		
		MID	Q16	21.00	20.91	20.80	23.20		
		HIGH	Q16	20.89	20.68	21.04	23.20		
6		LOW	Q16	20.81	21.09	21.01	23.20		
1.4		1	LOW	64QAM	20.93	20.74	20.65	23.20	
			MID	64QAM	21.14	20.73	20.84	23.20	
	HIGH		64QAM	21.07	20.93	20.99	23.20		
	3	LOW	64QAM	20.17	19.74	19.79	23.20		
		MID	64QAM	20.16	19.78	20.08	23.20		
		HIGH	64QAM	19.94	19.91	20.14	23.20		
	6	LOW	64QAM	20.03	19.86	19.67	23.20		
	3	3	1	LOW	QPSK	23.05	22.69	22.92	23.20
				MID	QPSK	23.02	22.93	22.94	23.20
HIGH				QPSK	23.07	22.86	22.88	23.20	
8			LOW	QPSK	21.81	21.82	21.89	23.20	
			MID	QPSK	22.05	22.10	22.12	23.20	
			HIGH	QPSK	22.02	21.89	22.10	23.20	
15			LOW	QPSK	21.96	22.03	21.81	23.20	
3			1	LOW	Q16	22.17	21.89	21.73	23.20
				MID	Q16	21.93	21.99	21.90	23.20
		HIGH		Q16	21.73	21.85	21.67	23.20	
		8	LOW	Q16	21.12	21.00	20.96	23.20	
			MID	Q16	21.14	20.80	20.73	23.20	
			HIGH	Q16	20.88	20.95	20.83	23.20	
15		LOW	Q16	20.66	21.05	20.90	23.20		
3		1	LOW	64QAM	20.87	20.86	20.68	23.20	
	MID		64QAM	21.14	20.88	20.86	23.20		
	HIGH		64QAM	21.00	20.91	20.93	23.20		
	8	LOW	64QAM	20.14	19.64	19.83	23.20		
		MID	64QAM	19.97	19.87	20.07	23.20		
		HIGH	64QAM	20.01	20.13	20.06	23.20		
	15	LOW	64QAM	19.88	19.81	19.86	23.20		

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	22.84	22.81	22.76	23.20	
		MID	QPSK	23.06	22.79	22.87	23.20	
		HIGH	QPSK	22.89	22.80	22.97	23.20	
	12	LOW	QPSK	21.78	22.01	22.10	22.20	
		MID	QPSK	22.18	21.98	22.17	22.20	
		HIGH	QPSK	21.95	22.03	21.94	22.20	
	25	LOW	QPSK	22.01	21.94	21.92	22.20	
	5	1	LOW	Q16	22.06	22.13	21.88	22.20
			MID	Q16	22.17	21.97	21.74	22.20
HIGH			Q16	21.85	21.80	21.81	22.20	
12		LOW	Q16	20.91	21.04	21.03	21.20	
		MID	Q16	21.05	20.99	21.00	21.20	
		HIGH	Q16	20.94	20.87	20.90	21.20	
25		LOW	Q16	20.94	20.92	21.07	21.20	
5		1	LOW	64QAM	20.76	20.80	20.71	21.20
			MID	64QAM	21.13	20.89	20.76	21.20
	HIGH		64QAM	20.84	20.97	20.85	21.20	
	12	LOW	64QAM	19.98	19.60	19.83	20.20	
		MID	64QAM	20.07	19.91	20.06	20.20	
		HIGH	64QAM	19.96	20.01	20.03	20.20	
	25	LOW	64QAM	19.84	19.82	19.96	20.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	22.92	22.81	22.84	23.20
MID			QPSK	23.04	22.98	23.05	23.20	
HIGH			QPSK	22.93	22.90	22.91	23.20	
25		LOW	QPSK	21.88	21.91	21.99	23.20	
		MID	QPSK	22.03	22.05	22.01	23.20	
		HIGH	QPSK	22.00	21.94	21.96	23.20	
50		LOW	QPSK	21.91	21.96	21.96	23.20	
10		1	LOW	Q16	22.03	21.99	21.87	23.20
			MID	Q16	22.07	21.90	21.78	23.20
	HIGH		Q16	21.83	21.78	21.74	23.20	
	25	LOW	Q16	21.01	20.91	20.93	23.20	
		MID	Q16	21.18	20.84	20.88	23.20	
		HIGH	Q16	20.92	20.81	20.97	23.20	
	50	LOW	Q16	20.79	20.96	20.98	23.20	
	10	1	LOW	64QAM	20.89	20.77	20.78	23.20
			MID	64QAM	21.08	20.76	20.84	23.20
HIGH			64QAM	20.95	20.83	20.84	23.20	
25		LOW	64QAM	20.04	19.70	19.72	23.20	
		MID	64QAM	20.09	19.77	20.03	23.20	
		HIGH	64QAM	20.00	19.99	20.03	23.20	
50		LOW	64QAM	19.99	19.94	19.82	23.20	

## LTE B5-State18 -Ant.0

Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.02	20.69	20.91	21.20	
		MID	QPSK	21.03	20.77	20.87	21.20	
		HIGH	QPSK	21.08	20.98	20.88	21.20	
	3	LOW	QPSK	20.94	20.86	20.93	21.20	
		MID	QPSK	21.01	21.15	21.04	21.20	
		HIGH	QPSK	20.87	20.92	21.05	21.20	
	6	LOW	QPSK	20.82	20.81	20.86	21.20	
	1.4	1	LOW	Q16	20.90	20.96	21.00	21.20
			MID	Q16	21.22	20.93	20.77	21.20
HIGH			Q16	20.71	20.72	20.70	21.20	
3		LOW	Q16	20.91	20.77	20.90	21.20	
		MID	Q16	21.20	20.74	20.95	21.20	
		HIGH	Q16	20.91	20.79	20.91	21.20	
6		LOW	Q16	20.74	20.83	20.83	21.20	
1.4		1	LOW	64QAM	20.86	20.69	20.73	21.20
			MID	64QAM	20.94	20.88	20.78	21.20
	HIGH		64QAM	21.06	20.97	20.88	21.20	
	3	LOW	64QAM	20.03	19.60	19.62	20.20	
		MID	64QAM	20.01	19.78	20.17	20.20	
		HIGH	64QAM	20.03	19.92	20.17	20.20	
	6	LOW	64QAM	20.12	19.97	19.68	20.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	21.06	20.70	20.83	21.20
MID			QPSK	21.06	20.94	20.98	21.20	
HIGH			QPSK	20.85	20.85	20.80	21.20	
8		LOW	QPSK	20.97	20.99	20.88	21.20	
		MID	QPSK	21.04	20.91	20.98	21.20	
		HIGH	QPSK	20.98	20.89	21.04	21.20	
15		LOW	QPSK	20.77	20.82	20.86	21.20	
3		1	LOW	Q16	21.11	20.91	21.01	21.20
			MID	Q16	21.08	20.92	20.66	21.20
	HIGH		Q16	20.91	20.88	20.68	21.20	
	8	LOW	Q16	21.11	21.06	20.91	21.20	
		MID	Q16	21.26	20.88	20.75	21.20	
		HIGH	Q16	20.82	20.87	20.90	21.20	
	15	LOW	Q16	20.88	21.11	21.12	21.20	
	3	1	LOW	64QAM	20.89	20.75	20.65	21.20
			MID	64QAM	21.06	20.74	20.70	21.20
HIGH			64QAM	20.90	20.87	20.85	21.20	
8		LOW	64QAM	20.07	19.83	19.61	20.20	
		MID	64QAM	20.03	19.65	20.10	20.20	
		HIGH	64QAM	20.02	19.96	20.00	20.20	
15		LOW	64QAM	19.86	19.87	19.97	20.20	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	21.01	20.80	20.73	21.20	
		MID	QPSK	21.06	20.85	20.84	21.20	
		HIGH	QPSK	20.81	20.86	20.86	21.20	
	12	LOW	QPSK	20.83	20.96	21.09	21.20	
		MID	QPSK	20.98	20.93	21.03	21.20	
		HIGH	QPSK	21.01	20.80	20.88	21.20	
	25	LOW	QPSK	20.99	21.08	20.86	21.20	
	5	1	LOW	Q16	21.16	21.14	20.83	21.20
			MID	Q16	21.07	20.88	20.71	21.20
HIGH			Q16	20.94	20.89	20.82	21.20	
12		LOW	Q16	21.15	20.95	20.85	21.20	
		MID	Q16	21.14	20.74	20.92	21.20	
		HIGH	Q16	20.93	20.69	20.99	21.20	
25		LOW	Q16	20.84	21.04	21.07	21.20	
5		1	LOW	64QAM	20.91	20.62	20.81	21.20
			MID	64QAM	21.19	20.75	20.98	21.20
	HIGH		64QAM	20.88	20.78	20.78	21.20	
	12	LOW	64QAM	19.91	19.77	19.84	20.20	
		MID	64QAM	20.03	19.71	20.03	20.20	
		HIGH	64QAM	20.02	20.08	20.09	20.20	
	25	LOW	64QAM	20.11	20.03	19.81	20.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	20.96	20.85	20.87	21.20
MID			QPSK	20.95	20.97	20.92	21.20	
HIGH			QPSK	21.07	20.99	20.93	21.20	
25		LOW	QPSK	20.99	20.93	21.03	21.20	
		MID	QPSK	20.99	20.55	21.14	21.20	
		HIGH	QPSK	20.85	20.64	20.88	21.20	
50		LOW	QPSK	20.85	20.91	20.83	21.20	
10		1	LOW	Q16	20.90	20.79	20.83	21.20
			MID	Q16	21.01	20.77	20.72	21.20
	HIGH		Q16	20.74	20.82	20.60	21.20	
	25	LOW	Q16	20.92	20.96	20.92	21.20	
		MID	Q16	21.06	20.70	20.91	21.20	
		HIGH	Q16	20.91	20.93	21.03	21.20	
	50	LOW	Q16	20.67	20.98	21.02	21.20	
	10	1	LOW	64QAM	20.85	20.97	20.90	21.20
			MID	64QAM	21.05	20.72	20.91	21.20
HIGH			64QAM	21.10	20.77	20.81	21.20	
25		LOW	64QAM	20.16	19.72	19.86	20.20	
		MID	64QAM	20.01	19.76	20.13	20.20	
		HIGH	64QAM	19.98	20.02	20.05	20.20	
50		LOW	64QAM	20.14	19.94	19.70	20.20	

## 8.6.2 LTE Band5 (Ant.1) Output Power

LTE B5-State17 -Ant.1

Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.12	22.24	22.13	22.50	
		MID	QPSK	21.98	22.25	21.99	22.50	
		HIGH	QPSK	21.90	22.47	21.82	22.50	
	3	LOW	QPSK	22.07	22.29	22.09	22.50	
		MID	QPSK	22.24	22.10	22.38	22.50	
		HIGH	QPSK	22.16	22.20	22.25	22.50	
6	LOW	QPSK	22.38	22.02	<b>22.49</b>	22.50		
1.4	1	LOW	Q16	22.19	22.10	22.00	22.50	
		MID	Q16	21.91	22.05	21.93	22.50	
		HIGH	Q16	22.12	21.98	22.38	22.50	
	3	LOW	Q16	21.36	21.32	21.27	21.50	
		MID	Q16	21.16	21.35	21.24	21.50	
		HIGH	Q16	20.97	21.08	20.79	21.50	
	6	LOW	Q16	21.12	21.29	21.12	21.50	
	1.4	1	LOW	64QAM	21.15	21.16	21.26	21.50
			MID	64QAM	20.95	21.22	21.03	21.50
HIGH			64QAM	21.15	20.86	20.88	21.50	
3		LOW	64QAM	20.32	20.41	20.15	20.50	
		MID	64QAM	19.92	20.01	19.81	20.50	
		HIGH	64QAM	19.95	19.83	19.95	20.50	
6	LOW	64QAM	20.07	20.18	20.31	20.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)	
3	1	LOW	QPSK	21.99	22.10	22.37	22.50	
		MID	QPSK	22.09	22.21	22.15	22.50	
		HIGH	QPSK	21.83	22.27	21.95	22.50	
	8	LOW	QPSK	22.08	22.29	21.94	22.50	
		MID	QPSK	22.03	22.23	22.19	22.50	
		HIGH	QPSK	22.13	22.09	22.19	22.50	
15	LOW	QPSK	<b>22.39</b>	22.04	22.15	22.50		
3	1	LOW	Q16	22.05	22.04	22.23	22.50	
		MID	Q16	22.00	21.88	21.95	22.50	
		HIGH	Q16	22.12	22.02	22.32	22.50	
	8	LOW	Q16	21.30	21.16	21.23	21.50	
		MID	Q16	21.27	21.30	21.16	21.50	
		HIGH	Q16	21.04	20.98	21.07	21.50	
15	LOW	Q16	21.10	21.18	20.89	21.50		
3	1	LOW	64QAM	21.14	21.16	21.15	21.50	
		MID	64QAM	21.14	20.97	21.19	21.50	
		HIGH	64QAM	21.08	20.87	21.03	21.50	
	8	LOW	64QAM	20.30	20.35	20.17	20.50	
		MID	64QAM	19.91	19.98	19.71	20.50	
		HIGH	64QAM	20.04	19.84	20.03	20.50	
15	LOW	64QAM	20.09	20.40	20.17	20.50		



Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)								
5	1	LOW	QPSK	21.97	22.15	22.18	22.50								
		MID	QPSK	21.99	22.22	22.17	22.50								
		HIGH	QPSK	22.02	22.26	21.98	22.50								
	12	LOW	QPSK	22.03	22.34	21.99	22.50								
		MID	QPSK	22.23	22.12	22.12	22.50								
		HIGH	QPSK	22.11	22.27	22.17	22.50								
	25	LOW	QPSK	<b>22.45</b>	22.07	22.36	22.50								
	5	1	LOW	Q16	22.27	22.15	22.23	22.50							
			MID	Q16	22.09	21.96	22.05	22.50							
HIGH			Q16	22.22	21.86	22.23	22.50								
12		LOW	Q16	21.36	21.10	21.17	21.50								
		MID	Q16	21.10	21.16	21.33	21.50								
		HIGH	Q16	20.95	21.09	20.99	21.50								
25		LOW	Q16	21.03	21.25	20.97	21.50								
5		1	LOW	64QAM	21.10	21.04	21.05	21.50							
			MID	64QAM	21.12	21.16	21.16	21.50							
	HIGH		64QAM	21.08	21.08	21.02	21.50								
	12	LOW	64QAM	20.28	20.04	20.40	20.50								
		MID	64QAM	19.82	20.00	19.91	20.50								
		HIGH	64QAM	19.96	20.02	20.13	20.50								
	25	LOW	64QAM	20.19	20.26	20.23	20.50								
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)							
									10	1	LOW	QPSK	22.38	22.17	22.26
MID											QPSK	22.10	22.27	21.92	22.50
HIGH											QPSK	21.91	22.31	21.75	22.50
25									LOW	QPSK	22.00	22.26	21.98	22.50	
										MID	QPSK	22.11	22.14	22.26	22.50
										HIGH	QPSK	22.07	22.15	22.09	22.50
50									LOW	QPSK	22.40	22.31	<b>22.44</b>	22.50	
10									1	LOW	Q16	22.14	22.18	22.13	22.50
										MID	Q16	22.05	21.98	21.89	22.50
										HIGH	Q16	22.28	22.01	22.14	22.50
									25	LOW	Q16	21.16	21.14	21.15	21.50
										MID	Q16	21.30	21.29	21.21	21.50
										HIGH	Q16	21.07	21.19	21.01	21.50
50									LOW	Q16	21.16	21.31	21.08	21.50	
10									1	LOW	64QAM	21.18	21.12	21.05	21.50
										MID	64QAM	20.94	21.22	21.09	21.50
										HIGH	64QAM	21.22	20.90	21.16	21.50
	25	LOW	64QAM	20.46	20.48	20.49	20.50								
		MID	64QAM	19.88	20.00	19.89	20.50								
		HIGH	64QAM	20.05	19.97	20.17	20.50								
	50	LOW	64QAM	20.20	20.37	20.21	20.50								

## 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	23.06	<b>23.39</b>	23.14	23.50	
		MID	QPSK	23.06	23.16	23.01	23.50	
		HIGH	QPSK	22.99	23.21	22.95	23.50	
	3	LOW	QPSK	22.09	22.26	22.07	22.50	
		MID	QPSK	22.16	22.19	22.23	22.50	
		HIGH	QPSK	22.08	22.26	22.26	22.50	
6	LOW	QPSK	22.31	21.98	22.15	22.50		
1.4	1	LOW	Q16	22.22	22.14	22.07	22.50	
		MID	Q16	21.98	22.09	22.11	22.50	
		HIGH	Q16	22.25	22.06	22.28	22.50	
	3	LOW	Q16	21.20	21.30	21.24	21.50	
		MID	Q16	21.21	21.41	21.40	21.50	
		HIGH	Q16	21.11	20.99	21.03	21.50	
	6	LOW	Q16	20.96	21.31	21.09	21.50	
	1.4	1	LOW	64QAM	21.15	21.14	21.11	21.50
			MID	64QAM	20.95	21.15	21.09	21.50
HIGH			64QAM	20.97	20.84	21.06	21.50	
3		LOW	64QAM	20.42	20.39	20.25	20.50	
		MID	64QAM	19.83	19.96	19.86	20.50	
		HIGH	64QAM	19.90	19.99	19.98	20.50	
6	LOW	64QAM	20.02	20.36	20.17	20.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)	
3	1	LOW	QPSK	23.01	23.29	<b>23.33</b>	23.50	
		MID	QPSK	23.08	23.28	23.18	23.50	
		HIGH	QPSK	23.00	<b>23.33</b>	22.82	23.50	
	8	LOW	QPSK	21.83	22.19	21.89	22.50	
		MID	QPSK	22.12	22.37	22.19	22.50	
		HIGH	QPSK	22.10	22.21	22.00	22.50	
15	LOW	QPSK	22.28	22.17	22.34	22.50		
3	1	LOW	Q16	22.04	22.11	22.25	22.50	
		MID	Q16	21.92	22.12	21.95	22.50	
		HIGH	Q16	22.12	22.12	22.36	22.50	
	8	LOW	Q16	21.31	21.35	21.17	21.50	
		MID	Q16	21.15	21.16	21.43	21.50	
		HIGH	Q16	21.17	21.16	21.02	21.50	
15	LOW	Q16	21.02	21.14	21.14	21.50		
3	1	LOW	64QAM	20.99	21.20	21.19	21.50	
		MID	64QAM	21.08	21.16	21.05	21.50	
		HIGH	64QAM	21.00	21.12	20.88	21.50	
	8	LOW	64QAM	20.45	20.48	20.49	20.50	
		MID	64QAM	19.82	20.05	19.94	20.50	
		HIGH	64QAM	20.05	19.95	20.07	20.50	
15	LOW	64QAM	20.29	20.37	20.19	20.50		

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)		
5	1	LOW	QPSK	23.10	23.21	23.23	23.50		
		MID	QPSK	23.18	<b>23.40</b>	23.18	23.50		
		HIGH	QPSK	22.97	23.37	22.76	23.50		
	12	LOW	QPSK	21.81	22.39	22.10	22.50		
		MID	QPSK	22.12	22.37	22.21	22.50		
		HIGH	QPSK	22.08	22.13	22.24	22.50		
	25	LOW	QPSK	22.29	22.02	22.14	22.50		
	5	1	LOW	Q16	22.01	22.23	21.99	22.50	
			MID	Q16	21.95	21.98	22.12	22.50	
HIGH			Q16	22.25	22.11	22.23	22.50		
12		LOW	Q16	21.24	21.23	21.06	21.50		
		MID	Q16	21.36	21.29	21.20	21.50		
		HIGH	Q16	21.15	21.13	20.77	21.50		
25		LOW	Q16	21.19	21.13	21.14	21.50		
5		1	LOW	64QAM	21.24	21.09	21.11	21.50	
			MID	64QAM	21.11	21.24	21.23	21.50	
	HIGH		64QAM	20.98	20.86	21.05	21.50		
	12	LOW	64QAM	20.39	20.12	20.31	20.50		
		MID	64QAM	19.74	19.89	19.75	20.50		
		HIGH	64QAM	19.99	19.92	20.12	20.50		
	25	LOW	64QAM	20.24	20.37	20.17	20.50		
	10	10	1	LOW	QPSK	23.03	23.25	23.26	23.50
				MID	QPSK	23.09	23.29	23.06	23.50
HIGH				QPSK	22.98	<b>23.33</b>	22.89	23.50	
25			LOW	QPSK	21.94	22.34	22.00	22.50	
			MID	QPSK	22.14	22.23	22.24	22.50	
			HIGH	QPSK	22.15	22.16	22.15	22.50	
50			LOW	QPSK	22.40	22.05	22.50	22.50	
10			1	LOW	Q16	22.15	22.14	22.10	22.50
				MID	Q16	22.05	21.97	22.04	22.50
		HIGH		Q16	22.13	22.01	22.23	22.50	
		25	LOW	Q16	21.25	21.20	21.21	21.50	
			MID	Q16	21.22	21.26	21.31	21.50	
			HIGH	Q16	21.02	21.11	20.92	21.50	
50		LOW	Q16	21.11	21.17	21.02	21.50		
10		1	LOW	64QAM	21.11	21.12	21.18	21.50	
	MID		64QAM	21.04	21.11	21.15	21.50		
	HIGH		64QAM	21.07	20.99	21.01	21.50		
	25	LOW	64QAM	20.43	20.48	20.41	20.50		
		MID	64QAM	19.88	19.91	19.80	20.50		
		HIGH	64QAM	19.96	19.93	20.02	20.50		
	50	LOW	64QAM	20.14	20.26	20.22	20.50		

## 8.6.3 LTE Band7 (Ant.0) Output Power

LTE B7-State17 -Ant.3

Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)				
5	1	LOW	QPSK	15.05	15.04	15.14	15.50				
		MID	QPSK	14.98	14.97	14.83	15.50				
		HIGH	QPSK	15.26	14.90	15.28	15.50				
	12	LOW	QPSK	14.99	15.04	15.00	15.50				
		MID	QPSK	14.99	15.10	14.82	15.50				
		HIGH	QPSK	15.24	15.07	14.73	15.50				
25	LOW	QPSK	14.97	14.98	15.24	15.50					
5	1	LOW	Q16	15.02	15.00	14.98	15.50				
		MID	Q16	15.09	15.13	14.85	15.50				
		HIGH	Q16	14.98	14.98	15.28	15.50				
	12	LOW	Q16	15.10	15.28	14.92	15.50				
		MID	Q16	15.22	15.17	14.82	15.50				
		HIGH	Q16	14.94	14.86	15.30	15.50				
25	LOW	Q16	15.03	14.84	14.95	15.50					
5	1	LOW	64QAM	15.15	15.21	14.84	15.50				
		MID	64QAM	15.15	<b>15.31</b>	14.95	15.50				
		HIGH	64QAM	15.05	14.91	14.97	15.50				
	12	LOW	64QAM	15.06	14.89	14.98	15.50				
		MID	64QAM	15.19	14.99	15.09	15.50				
		HIGH	64QAM	15.20	14.78	15.04	15.50				
25	LOW	64QAM	14.92	14.93	15.05	15.50					
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)				
				10	1	LOW	QPSK	15.08	15.00	15.20	15.50
						MID	QPSK	15.03	15.18	15.06	15.50
						HIGH	QPSK	15.08	14.90	15.23	15.50
					25	LOW	QPSK	15.13	15.01	15.27	15.50
						MID	QPSK	14.98	15.05	14.88	15.50
						HIGH	QPSK	15.17	14.97	14.84	15.50
				50	LOW	QPSK	14.93	15.07	15.29	15.50	
				10	1	LOW	Q16	14.96	14.89	14.83	15.50
						MID	Q16	15.05	15.15	14.95	15.50
						HIGH	Q16	15.10	15.13	<b>15.32</b>	15.50
					25	LOW	Q16	15.10	15.23	14.85	15.50
MID	Q16	15.15	15.05			14.69	15.50				
HIGH	Q16	15.01	14.89			15.09	15.50				
50	LOW	Q16	14.82	14.94	14.82	15.50					
10	1	LOW	64QAM	15.08	15.09	14.82	15.50				
		MID	64QAM	15.20	15.24	14.97	15.50				
		HIGH	64QAM	14.83	14.96	14.87	15.50				
	25	LOW	64QAM	15.23	14.79	15.00	15.50				
		MID	64QAM	15.18	14.91	15.03	15.50				
		HIGH	64QAM	15.04	14.96	14.97	15.50				
50	LOW	64QAM	15.04	14.82	15.00	15.50					

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	15.13	14.98	14.99	15.50
		MID	QPSK	15.06	15.09	14.88	15.50
		HIGH	QPSK	15.24	15.07	15.11	15.50
	36	LOW	QPSK	15.19	15.00	15.13	15.50
		MID	QPSK	15.11	15.30	14.95	15.50
		HIGH	QPSK	<b>15.41</b>	14.95	14.90	15.50
75	LOW	QPSK	14.97	15.01	15.32	15.50	
15	1	LOW	Q16	14.87	14.95	14.91	15.50
		MID	Q16	15.17	15.25	14.92	15.50
		HIGH	Q16	14.95	15.08	15.23	15.50
	36	LOW	Q16	15.13	15.18	14.96	15.50
		MID	Q16	15.23	15.10	14.81	15.50
		HIGH	Q16	15.05	14.96	15.15	15.50
75	LOW	Q16	15.08	14.80	14.91	15.50	
15	1	LOW	64QAM	15.19	15.20	14.88	15.50
		MID	64QAM	15.04	15.06	14.94	15.50
		HIGH	64QAM	14.98	14.99	15.00	15.50
	36	LOW	64QAM	15.32	14.79	15.01	15.50
		MID	64QAM	15.20	15.16	15.01	15.50
		HIGH	64QAM	15.10	14.82	14.95	15.50
75	LOW	64QAM	15.02	14.76	14.79	15.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	15.06	15.02	14.96	15.50
		MID	QPSK	15.07	15.03	15.08	15.50
		HIGH	QPSK	15.15	15.17	15.12	15.50
	50	LOW	QPSK	14.97	15.04	15.04	15.50
		MID	QPSK	14.96	15.07	14.89	15.50
		HIGH	QPSK	15.04	14.87	14.90	15.50
100	LOW	QPSK	15.06	15.08	15.18	15.50	
20	1	LOW	Q16	14.85	15.00	14.93	15.50
		MID	Q16	15.01	15.23	14.84	15.50
		HIGH	Q16	15.04	15.14	<b>15.41</b>	15.50
	50	LOW	Q16	14.94	15.22	14.99	15.50
		MID	Q16	15.18	15.03	14.76	15.50
		HIGH	Q16	15.04	14.97	15.14	15.50
100	LOW	Q16	14.82	15.01	14.77	15.50	
20	1	LOW	64QAM	15.33	15.20	14.81	15.50
		MID	64QAM	15.04	15.25	14.99	15.50
		HIGH	64QAM	14.87	14.98	15.05	15.50
	50	LOW	64QAM	15.13	14.78	14.94	15.50
		MID	64QAM	14.96	15.17	15.20	15.50
		HIGH	64QAM	15.19	14.79	15.10	15.50
100	LOW	64QAM	15.03	14.77	14.82	15.50	

## LTE B7-State18 -Ant.3

Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	13.00	13.01	13.09	13.50	
		MID	QPSK	13.08	12.94	12.81	13.50	
		HIGH	QPSK	13.17	13.10	13.33	13.50	
	12	LOW	QPSK	13.26	12.97	13.15	13.50	
		MID	QPSK	12.88	13.19	12.92	13.50	
		HIGH	QPSK	13.18	13.07	12.96	13.50	
	25	LOW	QPSK	13.10	13.13	13.15	13.50	
	5	1	LOW	Q16	12.92	13.00	13.01	13.50
			MID	Q16	13.11	13.29	12.94	13.50
HIGH			Q16	12.97	13.04	<b>13.34</b>	13.50	
12		LOW	Q16	13.04	13.16	12.82	13.50	
		MID	Q16	13.16	13.20	12.82	13.50	
		HIGH	Q16	13.18	12.95	13.12	13.50	
25		LOW	Q16	13.02	12.83	12.94	13.50	
5		1	LOW	64QAM	13.19	12.95	13.00	13.50
			MID	64QAM	13.21	13.25	13.02	13.50
	HIGH		64QAM	13.05	13.01	12.96	13.50	
	12	LOW	64QAM	13.31	13.05	13.00	13.50	
		MID	64QAM	12.99	13.12	13.06	13.50	
		HIGH	64QAM	13.05	12.92	13.13	13.50	
	25	LOW	64QAM	13.14	12.79	12.93	13.50	
	10	1	LOW	QPSK	13.09	13.04	13.15	13.50
			MID	QPSK	13.07	13.12	13.00	13.50
HIGH			QPSK	13.03	12.93	13.12	13.50	
LOW			QPSK	13.17	13.04	13.20	13.50	
MID			QPSK	13.09	13.12	12.90	13.50	
HIGH			QPSK	<b>13.35</b>	12.90	12.82	13.50	
25		LOW	QPSK	12.91	12.91	13.16	13.50	
		LOW	Q16	13.05	13.18	13.01	13.50	
		MID	Q16	13.14	13.19	12.74	13.50	
50		HIGH	Q16	13.01	13.13	13.22	13.50	
		LOW	Q16	13.01	13.17	12.94	13.50	
		MID	Q16	13.33	13.14	12.64	13.50	
10	1	HIGH	Q16	12.98	12.93	13.20	13.50	
		LOW	Q16	12.88	13.00	12.95	13.50	
		LOW	64QAM	13.04	13.03	12.78	13.50	
	25	MID	64QAM	13.25	13.30	12.94	13.50	
		HIGH	64QAM	13.03	13.01	13.03	13.50	
		LOW	64QAM	13.18	12.93	12.91	13.50	
	50	MID	64QAM	13.06	13.10	13.18	13.50	
		HIGH	64QAM	13.11	12.94	13.00	13.50	
		LOW	64QAM	13.10	12.77	12.85	13.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	13.26	12.98	13.17	13.50	
		MID	QPSK	12.99	13.16	12.93	13.50	
		HIGH	QPSK	13.07	13.05	13.07	13.50	
	36	LOW	QPSK	13.12	13.18	<b>13.27</b>	13.50	
		MID	QPSK	13.10	13.26	13.04	13.50	
		HIGH	QPSK	13.14	13.09	12.92	13.50	
75	LOW	QPSK	12.93	13.07	13.11	13.50		
15	1	LOW	Q16	13.01	13.03	13.13	13.50	
		MID	Q16	13.14	13.20	12.85	13.50	
		HIGH	Q16	13.23	13.13	13.22	13.50	
	36	LOW	Q16	13.10	13.18	12.90	13.50	
		MID	Q16	13.27	12.95	12.64	13.50	
		HIGH	Q16	13.08	13.02	13.07	13.50	
75	LOW	Q16	13.10	12.92	12.79	13.50		
15	1	LOW	64QAM	13.06	13.03	13.02	13.50	
		MID	64QAM	13.23	13.27	13.09	13.50	
		HIGH	64QAM	12.94	12.87	12.95	13.50	
	36	LOW	64QAM	13.22	12.94	12.89	13.50	
		MID	64QAM	13.11	12.91	13.01	13.50	
		HIGH	64QAM	13.01	13.01	13.07	13.50	
75	LOW	64QAM	13.02	12.96	13.00	13.50		
20	1	LOW	QPSK	13.13	13.02	13.12	13.50	
		MID	QPSK	12.93	13.03	12.93	13.50	
		HIGH	QPSK	13.05	13.18	13.11	13.50	
	50	LOW	QPSK	13.12	13.06	13.12	13.50	
		MID	QPSK	12.99	13.18	12.89	13.50	
		HIGH	QPSK	13.16	<b>13.27</b>	12.84	13.50	
	100	LOW	QPSK	12.97	13.04	13.26	13.50	
	20	1	LOW	Q16	12.99	13.04	12.98	13.50
			MID	Q16	13.06	13.14	12.80	13.50
			HIGH	Q16	13.08	13.07	<b>13.27</b>	13.50
		50	LOW	Q16	13.08	13.20	12.86	13.50
			MID	Q16	13.22	13.10	12.75	13.50
HIGH			Q16	13.04	13.01	13.20	13.50	
100	LOW	Q16	12.95	12.95	12.87	13.50		
20	1	LOW	64QAM	13.18	13.10	12.93	13.50	
		MID	64QAM	13.18	13.20	13.08	13.50	
		HIGH	64QAM	12.92	12.94	12.97	13.50	
	50	LOW	64QAM	13.21	12.90	12.92	13.50	
		MID	64QAM	13.09	13.04	13.16	13.50	
		HIGH	64QAM	13.12	12.92	12.98	13.50	
100	LOW	64QAM	13.02	12.88	12.92	13.50		

## 8.6.4 LTE Band7 (Ant.1) Output Power

LTE B7-State17 -Ant.4

Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)									
5	1	LOW	QPSK	16.11	15.95	16.12	16.50									
		MID	QPSK	16.14	15.87	15.90	16.50									
		HIGH	QPSK	16.02	16.06	15.77	16.50									
	12	LOW	QPSK	15.64	16.04	15.96	16.50									
		MID	QPSK	16.17	16.15	16.21	16.50									
		HIGH	QPSK	15.87	15.92	15.76	16.50									
	25	LOW	QPSK	15.73	16.08	15.89	16.50									
	5	1	LOW	Q16	16.02	15.82	16.03	16.50								
			MID	Q16	15.80	16.22	15.65	16.50								
HIGH			Q16	15.80	16.18	16.17	16.50									
12		LOW	Q16	16.14	16.02	16.12	16.50									
		MID	Q16	16.04	16.07	15.75	16.50									
		HIGH	Q16	15.69	16.03	15.93	16.50									
25		LOW	Q16	16.03	<b>16.30</b>	16.12	16.50									
5		1	LOW	64QAM	16.10	16.29	15.71	16.50								
			MID	64QAM	15.55	16.16	15.81	16.50								
	HIGH		64QAM	16.05	15.92	16.01	16.50									
	12	LOW	64QAM	16.15	16.11	15.82	16.50									
		MID	64QAM	15.42	16.27	15.91	16.50									
		HIGH	64QAM	15.97	16.07	15.82	16.50									
	25	LOW	64QAM	16.00	16.26	15.64	16.50									
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)								
									10	1	LOW	QPSK	16.07	15.87	15.98	16.50
MID											QPSK	15.99	15.77	15.82	16.50	
HIGH											QPSK	16.09	15.80	15.73	16.50	
25									1	LOW	QPSK	15.43	15.89	16.07	16.50	
										MID	QPSK	16.05	16.03	16.15	16.50	
										HIGH	QPSK	16.15	15.94	15.64	16.50	
50									LOW	QPSK	15.77	16.07	15.84	16.50		
10									1	LOW	Q16	16.12	15.82	15.96	16.50	
										MID	Q16	15.77	15.97	15.65	16.50	
										HIGH	Q16	15.62	16.16	16.04	16.50	
									25	1	LOW	Q16	15.97	15.89	16.06	16.50
											MID	Q16	16.17	16.17	15.70	16.50
											HIGH	Q16	15.58	16.13	15.98	16.50
									50	LOW	Q16	15.98	16.27	16.06	16.50	
									10	1	LOW	64QAM	15.96	16.21	15.61	16.50
											MID	64QAM	15.60	15.95	16.04	16.50
HIGH											64QAM	15.80	15.85	16.16	16.50	
25	1	LOW	64QAM	15.90	16.32	15.70	16.50									
		MID	64QAM	15.45	<b>16.39</b>	15.86	16.50									
		HIGH	64QAM	15.89	16.18	15.91	16.50									
50	LOW	64QAM	16.10	16.32	15.74	16.50										



Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	15.96	15.88	15.97	16.50	
		MID	QPSK	16.02	15.85	15.73	16.50	
		HIGH	QPSK	16.16	15.90	15.87	16.50	
	36	LOW	QPSK	15.59	16.06	15.88	16.50	
		MID	QPSK	16.22	15.96	16.21	16.50	
		HIGH	QPSK	16.04	15.97	15.58	16.50	
	75	LOW	QPSK	15.74	16.15	15.83	16.50	
	15	1	LOW	Q16	16.21	15.89	15.98	16.50
			MID	Q16	15.72	15.99	15.47	16.50
HIGH			Q16	15.71	<b>16.38</b>	16.16	16.50	
36		LOW	Q16	16.01	16.13	16.27	16.50	
		MID	Q16	16.19	16.08	15.63	16.50	
		HIGH	Q16	15.62	16.18	16.06	16.50	
75		LOW	Q16	15.98	16.11	16.15	16.50	
15		1	LOW	64QAM	16.13	16.14	15.73	16.50
			MID	64QAM	15.55	16.21	16.08	16.50
	HIGH		64QAM	16.03	16.07	15.91	16.50	
	36	LOW	64QAM	15.93	16.18	15.85	16.50	
		MID	64QAM	15.65	16.34	16.06	16.50	
		HIGH	64QAM	16.00	16.13	15.87	16.50	
	75	LOW	64QAM	16.05	16.16	15.56	16.50	
	20	1	LOW	QPSK	16.01	16.05	16.00	16.50
			MID	QPSK	16.03	15.92	15.88	16.50
HIGH			QPSK	16.03	15.95	15.72	16.50	
50		LOW	QPSK	15.57	16.01	15.94	16.50	
		MID	QPSK	16.02	16.01	16.01	16.50	
		HIGH	QPSK	16.00	16.05	15.73	16.50	
100		LOW	QPSK	15.76	16.00	15.91	16.50	
20		1	LOW	Q16	16.11	15.95	16.04	16.50
			MID	Q16	15.81	16.11	15.62	16.50
			HIGH	Q16	15.75	16.23	16.06	16.50
		50	LOW	Q16	16.01	16.01	16.16	16.50
			MID	Q16	16.06	16.15	15.62	16.50
			HIGH	Q16	15.68	16.07	15.96	16.50
100		LOW	Q16	16.05	16.21	16.17	16.50	
20		1	LOW	64QAM	16.06	16.19	15.62	16.50
			MID	64QAM	15.55	16.06	15.94	16.50
			HIGH	64QAM	15.93	16.00	16.04	16.50
		50	LOW	64QAM	16.05	16.22	15.76	16.50
	MID		64QAM	15.55	<b>16.25</b>	15.91	16.50	
	HIGH		64QAM	15.96	16.11	15.93	16.50	
	100	LOW	64QAM	16.06	16.24	15.59	16.50	

## LTE B7-State17 -Ant.4

Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	23.22	<b>23.48</b>	23.15	23.50	
		MID	QPSK	23.20	23.37	23.17	23.50	
		HIGH	QPSK	23.12	23.11	23.43	23.50	
	12	LOW	QPSK	22.06	22.46	22.47	22.50	
		MID	QPSK	22.44	22.18	22.47	22.50	
		HIGH	QPSK	22.43	22.12	22.43	22.50	
	25	LOW	QPSK	22.48	22.37	22.43	22.50	
	5	1	LOW	Q16	22.44	22.13	22.15	22.50
			MID	Q16	22.19	21.65	22.45	22.50
HIGH			Q16	22.25	21.48	22.29	22.50	
12		LOW	Q16	21.27	21.43	21.30	21.50	
		MID	Q16	21.12	21.13	21.49	21.50	
		HIGH	Q16	21.30	21.30	21.13	21.50	
25		LOW	Q16	21.20	21.23	21.15	21.50	
5		1	LOW	64QAM	20.99	20.21	21.07	21.50
			MID	64QAM	21.29	21.24	21.06	21.50
	HIGH		64QAM	21.09	21.27	21.11	21.50	
	12	LOW	64QAM	20.43	20.30	20.22	20.50	
		MID	64QAM	20.38	20.27	20.10	20.50	
		HIGH	64QAM	20.41	20.45	20.18	20.50	
	25	LOW	64QAM	20.21	20.28	20.42	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	23.17	23.20	23.30	23.50
MID			QPSK	23.12	<b>23.44</b>	22.75	23.50	
HIGH			QPSK	22.70	23.39	23.08	23.50	
25		LOW	QPSK	21.93	22.13	22.25	22.50	
		MID	QPSK	22.24	21.94	22.11	22.50	
		HIGH	QPSK	22.24	21.93	22.21	22.50	
50		LOW	QPSK	22.22	22.23	22.22	22.50	
10		1	LOW	Q16	22.23	22.42	22.15	22.50
			MID	Q16	21.78	21.18	22.22	22.50
	HIGH		Q16	22.07	21.19	22.15	22.50	
	25	LOW	Q16	20.78	21.34	21.13	21.50	
		MID	Q16	20.95	21.01	21.03	21.50	
		HIGH	Q16	21.19	20.95	21.03	21.50	
	50	LOW	Q16	20.82	20.87	21.45	21.50	
	10	1	LOW	64QAM	20.87	20.16	21.48	21.50
			MID	64QAM	20.89	20.89	21.35	21.50
HIGH			64QAM	20.97	21.06	21.20	21.50	
25		LOW	64QAM	20.11	19.86	19.93	20.50	
		MID	64QAM	20.00	20.06	19.84	20.50	
		HIGH	64QAM	20.00	20.06	19.95	20.50	
50		LOW	64QAM	20.05	20.24	20.23	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)		
15	1	LOW	QPSK	23.20	23.39	23.27	23.50		
		MID	QPSK	22.98	<b>23.43</b>	23.01	23.50		
		HIGH	QPSK	22.72	23.29	23.30	23.50		
	36	LOW	QPSK	21.80	22.25	22.18	22.50		
		MID	QPSK	22.23	22.02	22.24	22.50		
		HIGH	QPSK	22.00	21.86	22.30	22.50		
	75	LOW	QPSK	22.15	22.15	22.20	22.50		
	15	1	LOW	Q16	22.17	22.40	22.33	22.50	
			MID	Q16	21.99	21.35	22.19	22.50	
HIGH			Q16	22.09	21.32	21.90	22.50		
36		LOW	Q16	20.92	21.37	20.87	21.50		
		MID	Q16	20.93	20.99	21.22	21.50		
		HIGH	Q16	20.98	21.11	21.13	21.50		
75		LOW	Q16	20.81	20.97	21.30	21.50		
15		1	LOW	64QAM	20.84	20.26	21.29	21.50	
			MID	64QAM	21.09	20.82	21.15	21.50	
	HIGH		64QAM	20.84	21.01	21.04	21.50		
	36	LOW	64QAM	20.10	19.92	20.05	20.50		
		MID	64QAM	20.04	20.27	19.91	20.50		
		HIGH	64QAM	20.10	20.09	20.02	20.50		
	75	LOW	64QAM	20.26	20.03	20.14	20.50		
	20	20	1	LOW	QPSK	23.35	23.45	23.33	23.50
				MID	QPSK	23.22	23.42	22.98	23.50
HIGH				QPSK	22.91	<b>23.48</b>	23.31	23.50	
50			LOW	QPSK	22.01	22.34	22.36	22.50	
			MID	QPSK	22.31	22.07	22.35	22.50	
			HIGH	QPSK	22.20	22.38	22.27	22.50	
100			LOW	QPSK	22.23	22.37	22.22	22.50	
20			1	LOW	Q16	22.19	22.45	22.50	22.50
				MID	Q16	22.02	21.42	22.31	22.50
		HIGH		Q16	22.25	21.27	22.15	22.50	
		50	LOW	Q16	21.03	21.45	21.09	21.50	
			MID	Q16	21.15	21.05	21.26	21.50	
			HIGH	Q16	21.16	21.07	21.10	21.50	
100		LOW	Q16	20.98	21.11	21.43	21.50		
20		1	LOW	64QAM	21.02	20.23	21.45	21.50	
			MID	64QAM	21.11	21.07	21.32	21.50	
			HIGH	64QAM	20.96	21.14	21.26	21.50	
		50	LOW	64QAM	20.21	20.09	20.16	20.50	
	MID		64QAM	20.16	20.23	19.90	20.50		
	HIGH		64QAM	20.20	20.26	20.12	20.50		
	100	LOW	64QAM	20.21	20.22	20.27	20.50		

## 8.6.5 LTE Band7 (Ant.5) Output Power

LTE B7-State17 -Ant.5

Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)		
5	1	LOW	QPSK	16.03	16.93	<b>17.40</b>	17.50		
		MID	QPSK	16.87	17.07	17.06	17.50		
		HIGH	QPSK	16.84	17.05	17.05	17.50		
	12	LOW	QPSK	16.61	17.10	17.07	17.50		
		MID	QPSK	16.88	16.92	16.79	17.50		
		HIGH	QPSK	17.16	16.84	16.73	17.50		
	25	LOW	QPSK	16.59	17.33	16.78	17.50		
	5	1	LOW	Q16	16.22	17.06	17.23	17.50	
			MID	Q16	17.00	17.13	16.86	17.50	
HIGH			Q16	16.96	16.98	16.75	17.50		
12		LOW	Q16	16.64	17.31	17.02	17.50		
		MID	Q16	16.86	16.55	16.68	17.50		
		HIGH	Q16	16.86	16.68	16.68	17.50		
25		LOW	Q16	16.79	17.21	16.73	17.50		
5		1	LOW	64QAM	16.07	17.38	17.14	17.50	
			MID	64QAM	16.99	17.02	16.83	17.50	
	HIGH		64QAM	17.00	17.39	16.81	17.50		
	12	LOW	64QAM	16.81	16.99	17.01	17.50		
		MID	64QAM	16.88	16.87	16.68	17.50		
		HIGH	64QAM	17.03	17.03	17.02	17.50		
	25	LOW	64QAM	16.56	17.01	16.75	17.50		
	10	10	1	LOW	QPSK	16.12	16.98	<b>17.46</b>	17.50
				MID	QPSK	16.88	17.18	17.10	17.50
HIGH				QPSK	16.86	17.18	16.96	17.50	
25			LOW	QPSK	16.87	17.15	16.92	17.50	
			MID	QPSK	16.81	16.84	16.66	17.50	
			HIGH	QPSK	16.95	16.82	16.72	17.50	
50		LOW	QPSK	16.61	17.05	16.51	17.50		
10		1	LOW	Q16	16.14	16.95	17.33	17.50	
			MID	Q16	16.92	17.05	17.01	17.50	
			HIGH	Q16	16.88	17.23	16.78	17.50	
		25	LOW	Q16	16.79	17.20	17.10	17.50	
			MID	Q16	16.76	16.65	16.57	17.50	
			HIGH	Q16	17.10	16.77	16.79	17.50	
50		LOW	Q16	16.74	17.26	16.67	17.50		
10		1	LOW	64QAM	16.26	17.15	17.32	17.50	
	MID		64QAM	17.11	17.02	16.75	17.50		
	HIGH		64QAM	17.08	17.36	17.04	17.50		
	25	LOW	64QAM	16.88	17.11	17.06	17.50		
		MID	64QAM	16.90	16.89	16.89	17.50		
		HIGH	64QAM	17.05	16.97	16.77	17.50		
	50	LOW	64QAM	16.75	17.12	16.72	17.50		

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)		
15	1	LOW	QPSK	16.29	16.86	17.37	17.50		
		MID	QPSK	17.01	17.22	16.94	17.50		
		HIGH	QPSK	16.76	17.17	16.88	17.50		
	36	LOW	QPSK	16.80	17.24	17.01	17.50		
		MID	QPSK	16.85	16.71	16.72	17.50		
		HIGH	QPSK	17.10	16.97	16.63	17.50		
	75	LOW	QPSK	16.81	17.13	16.77	17.50		
	15	1	LOW	Q16	16.27	17.12	17.15	17.50	
			MID	Q16	16.92	17.13	17.12	17.50	
HIGH			Q16	17.03	17.04	16.90	17.50		
36		LOW	Q16	16.65	<b>17.43</b>	17.09	17.50		
		MID	Q16	16.78	16.59	16.65	17.50		
		HIGH	Q16	16.88	16.78	16.88	17.50		
75		LOW	Q16	16.65	17.23	16.79	17.50		
15		1	LOW	64QAM	16.15	17.18	17.37	17.50	
			MID	64QAM	17.04	17.00	16.70	17.50	
	HIGH		64QAM	16.97	17.28	16.87	17.50		
	36	LOW	64QAM	16.77	17.27	17.00	17.50		
		MID	64QAM	16.74	16.88	16.82	17.50		
		HIGH	64QAM	17.24	17.03	16.87	17.50		
	75	LOW	64QAM	16.62	17.01	16.76	17.50		
	20	1	LOW	QPSK	16.23	17.03	17.28	17.50	
			MID	QPSK	16.79	17.10	17.10	17.50	
HIGH			QPSK	16.79	17.15	17.07	17.50		
50		LOW	QPSK	16.84	17.21	16.88	17.50		
		MID	QPSK	16.93	16.82	16.82	17.50		
		HIGH	QPSK	16.90	16.82	16.58	17.50		
100		LOW	QPSK	16.78	17.16	16.73	17.50		
20		1	LOW	Q16	16.23	17.00	17.23	17.50	
			MID	Q16	16.92	17.24	16.90	17.50	
			HIGH	Q16	16.85	16.99	16.90	17.50	
		50	LOW	Q16	16.72	17.22	16.95	17.50	
			MID	Q16	16.91	16.67	16.69	17.50	
			HIGH	Q16	16.97	16.80	16.77	17.50	
		100	LOW	Q16	16.74	17.36	16.65	17.50	
		20	1	LOW	64QAM	16.34	17.22	17.22	17.50
				MID	64QAM	16.92	16.94	16.73	17.50
HIGH				64QAM	17.08	<b>17.38</b>	17.07	17.50	
50			LOW	64QAM	16.99	17.26	17.10	17.50	
	MID		64QAM	16.73	16.73	16.84	17.50		
	HIGH		64QAM	17.22	16.91	16.85	17.50		
100	LOW		64QAM	16.53	17.18	16.72	17.50		

## LTE B7-State18 -Ant.5

Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)								
5	1	LOW	QPSK	13.29	14.09	14.16	14.50								
		MID	QPSK	13.86	14.06	14.10	14.50								
		HIGH	QPSK	13.81	14.06	14.14	14.50								
	12	LOW	QPSK	13.88	14.15	13.93	14.50								
		MID	QPSK	13.89	13.76	13.71	14.50								
		HIGH	QPSK	14.08	14.10	13.66	14.50								
	25	LOW	QPSK	13.57	14.22	13.50	14.50								
	5	1	LOW	Q16	13.16	14.16	14.18	14.50							
			MID	Q16	13.89	14.18	14.12	14.50							
HIGH			Q16	13.84	14.25	13.75	14.50								
12		LOW	Q16	13.70	14.30	13.97	14.50								
		MID	Q16	13.87	13.61	13.74	14.50								
		HIGH	Q16	13.87	13.92	13.92	14.50								
25		LOW	Q16	13.59	14.25	13.59	14.50								
5		1	LOW	64QAM	13.31	14.30	14.15	14.50							
			MID	64QAM	13.98	14.15	13.86	14.50							
	HIGH		64QAM	14.05	<b>14.34</b>	14.11	14.50								
	12	LOW	64QAM	13.83	14.29	13.97	14.50								
		MID	64QAM	13.85	13.78	13.88	14.50								
		HIGH	64QAM	14.31	13.93	13.91	14.50								
	25	LOW	64QAM	13.52	14.21	13.78	14.50								
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)							
									10	1	LOW	QPSK	13.03	13.90	14.13
MID											QPSK	13.85	14.06	14.08	14.50
HIGH											QPSK	13.97	14.20	13.93	14.50
25									1	LOW	QPSK	13.77	14.07	14.04	14.50
										MID	QPSK	14.04	13.86	13.63	14.50
										HIGH	QPSK	13.96	13.88	13.57	14.50
50									LOW	QPSK	13.76	14.03	13.76	14.50	
10									1	LOW	Q16	13.13	13.90	14.20	14.50
										MID	Q16	13.80	13.99	14.05	14.50
										HIGH	Q16	13.84	14.04	13.97	14.50
									25	LOW	Q16	13.80	<b>14.36</b>	14.00	14.50
	MID	Q16	13.76	13.84	13.77	14.50									
	HIGH	Q16	13.99	13.87	13.84	14.50									
50	LOW	Q16	13.54	14.23	13.56	14.50									
10	1	LOW	64QAM	13.22	14.30	14.17	14.50								
		MID	64QAM	14.03	14.01	13.79	14.50								
		HIGH	64QAM	13.82	14.20	13.94	14.50								
	25	LOW	64QAM	13.79	14.11	13.85	14.50								
		MID	64QAM	13.80	13.80	13.84	14.50								
		HIGH	64QAM	14.24	14.03	13.79	14.50								
	50	LOW	64QAM	13.50	13.94	13.87	14.50								

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)		
15	1	LOW	QPSK	13.05	14.08	<b>14.42</b>	14.50		
		MID	QPSK	13.97	14.15	14.08	14.50		
		HIGH	QPSK	14.05	14.19	13.87	14.50		
	36	LOW	QPSK	13.77	14.22	13.95	14.50		
		MID	QPSK	13.99	13.78	13.81	14.50		
		HIGH	QPSK	13.88	13.89	13.63	14.50		
	75	LOW	QPSK	13.69	14.31	13.64	14.50		
	15	1	LOW	Q16	13.22	14.15	14.39	14.50	
			MID	Q16	14.03	14.04	13.83	14.50	
HIGH			Q16	13.98	13.98	13.77	14.50		
36		LOW	Q16	13.83	14.37	14.09	14.50		
		MID	Q16	13.92	13.71	13.86	14.50		
		HIGH	Q16	14.04	13.71	13.83	14.50		
75		LOW	Q16	13.81	14.35	13.76	14.50		
15		1	LOW	64QAM	13.10	14.29	14.34	14.50	
			MID	64QAM	13.90	13.98	13.73	14.50	
	HIGH		64QAM	13.80	14.30	14.00	14.50		
	36	LOW	64QAM	13.75	14.05	14.10	14.50		
		MID	64QAM	13.95	13.85	13.87	14.50		
		HIGH	64QAM	14.30	13.91	13.91	14.50		
	75	LOW	64QAM	13.58	14.02	13.92	14.50		
	20	20	1	LOW	QPSK	13.16	14.01	14.21	14.50
				MID	QPSK	13.94	14.07	13.96	14.50
HIGH				QPSK	13.91	<b>14.35</b>	14.01	14.50	
50			LOW	QPSK	13.75	14.18	13.99	14.50	
			MID	QPSK	13.93	13.84	13.77	14.50	
			HIGH	QPSK	14.02	13.97	13.72	14.50	
100			LOW	QPSK	13.72	14.18	13.64	14.50	
20			1	LOW	Q16	13.19	14.04	14.29	14.50
				MID	Q16	13.91	14.10	13.97	14.50
		HIGH		Q16	13.89	14.13	13.89	14.50	
		50	LOW	Q16	13.73	14.28	13.99	14.50	
			MID	Q16	13.87	13.69	13.72	14.50	
			HIGH	Q16	14.00	13.83	13.80	14.50	
		100	LOW	Q16	13.67	14.27	13.68	14.50	
		20	1	LOW	64QAM	13.19	14.23	14.29	14.50
				MID	64QAM	14.00	14.01	13.85	14.50
HIGH				64QAM	13.93	14.26	13.96	14.50	
50			LOW	64QAM	13.84	14.14	13.98	14.50	
	MID		64QAM	13.82	13.83	13.79	14.50		
	HIGH		64QAM	14.17	14.05	13.87	14.50		
100	LOW		64QAM	13.63	14.08	13.79	14.50		

## 8.6.6 LTE Band7 (Ant.6) Output Power

## LTE B7-State17 -Ant.6

Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	18.02	18.47	18.49	19.00	
		MID	QPSK	17.66	18.52	18.32	19.00	
		HIGH	QPSK	18.51	18.61	18.32	19.00	
	12	LOW	QPSK	18.28	18.78	18.27	19.00	
		MID	QPSK	17.75	18.51	18.33	19.00	
		HIGH	QPSK	18.76	18.84	18.11	19.00	
	25	LOW	QPSK	18.27	<b>18.88</b>	18.39	19.00	
	5	1	LOW	Q16	17.38	18.41	18.74	19.00
			MID	Q16	18.59	18.61	18.20	19.00
HIGH			Q16	18.54	18.58	18.31	19.00	
12		LOW	Q16	17.65	18.50	18.78	19.00	
		MID	Q16	18.59	18.74	18.26	19.00	
		HIGH	Q16	18.45	18.81	18.21	19.00	
25		LOW	Q16	17.37	18.63	18.52	19.00	
5		1	LOW	64QAM	18.77	18.68	18.38	19.00
			MID	64QAM	18.41	18.65	18.33	19.00
	HIGH		64QAM	17.58	18.78	18.54	19.00	
	12	LOW	64QAM	18.62	18.61	18.25	19.00	
		MID	64QAM	18.48	18.42	18.31	19.00	
		HIGH	64QAM	17.51	18.62	18.50	19.00	
	25	LOW	64QAM	18.25	18.74	18.40	19.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	17.93	18.58	18.38	19.00
MID			QPSK	17.56	18.63	18.55	19.00	
HIGH			QPSK	18.57	18.81	18.20	19.00	
25		LOW	QPSK	18.31	18.67	18.31	19.00	
		MID	QPSK	17.61	18.58	18.55	19.00	
		HIGH	QPSK	18.66	18.66	18.08	19.00	
50		LOW	QPSK	18.37	18.78	18.30	19.00	
10		1	LOW	Q16	17.33	18.53	18.67	19.00
			MID	Q16	18.48	18.44	18.16	19.00
	HIGH		Q16	18.56	18.78	18.31	19.00	
	25	LOW	Q16	17.75	18.44	18.66	19.00	
		MID	Q16	18.45	<b>18.84</b>	18.25	19.00	
		HIGH	Q16	18.39	18.73	18.22	19.00	
	50	LOW	Q16	17.40	18.60	18.30	19.00	
	10	1	LOW	64QAM	18.66	18.75	18.24	19.00
			MID	64QAM	18.40	18.56	18.09	19.00
HIGH			64QAM	17.72	18.79	18.48	19.00	
25		LOW	64QAM	18.59	18.39	18.27	19.00	
		MID	64QAM	18.61	18.46	18.18	19.00	
		HIGH	64QAM	17.39	18.49	18.70	19.00	
50		LOW	64QAM	18.28	18.73	18.32	19.00	



Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	18.03	18.42	18.49	19.00	
		MID	QPSK	17.60	18.74	18.39	19.00	
		HIGH	QPSK	18.52	18.78	18.32	19.00	
	36	LOW	QPSK	18.38	18.64	18.29	19.00	
		MID	QPSK	17.54	18.52	18.56	19.00	
		HIGH	QPSK	18.61	18.64	18.08	19.00	
	75	LOW	QPSK	18.37	<b>18.83</b>	18.33	19.00	
	15	1	LOW	Q16	17.37	18.34	18.63	19.00
			MID	Q16	18.34	18.67	18.24	19.00
HIGH			Q16	18.50	18.67	18.34	19.00	
36		LOW	Q16	17.66	18.54	18.58	19.00	
		MID	Q16	18.33	<b>18.83</b>	18.19	19.00	
		HIGH	Q16	18.35	18.67	18.16	19.00	
75		LOW	Q16	17.60	18.62	18.39	19.00	
15		1	LOW	64QAM	18.77	18.59	18.23	19.00
			MID	64QAM	18.47	18.61	18.32	19.00
	HIGH		64QAM	17.62	18.76	18.62	19.00	
	36	LOW	64QAM	18.60	18.63	18.25	19.00	
		MID	64QAM	18.60	18.57	18.31	19.00	
		HIGH	64QAM	17.36	18.41	18.62	19.00	
	75	LOW	64QAM	18.44	18.82	18.36	19.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	17.43	18.55	18.59	19.00
MID			QPSK	17.62	18.62	18.41	19.00	
HIGH			QPSK	18.48	18.61	18.38	19.00	
50		LOW	QPSK	18.52	18.64	18.48	19.00	
		MID	QPSK	17.55	18.55	18.63	19.00	
		HIGH	QPSK	18.51	18.68	17.97	19.00	
100		LOW	QPSK	18.52	18.71	18.39	19.00	
20		1	LOW	Q16	17.45	18.51	18.77	19.00
			MID	Q16	18.55	18.56	18.37	19.00
	HIGH		Q16	18.40	18.69	18.18	19.00	
	50	LOW	Q16	17.58	18.43	18.53	19.00	
		MID	Q16	18.46	18.77	18.20	19.00	
		HIGH	Q16	18.50	<b>18.85</b>	18.11	19.00	
	100	LOW	Q16	17.48	18.46	18.36	19.00	
	20	1	LOW	64QAM	18.71	18.71	18.21	19.00
			MID	64QAM	18.42	18.82	18.36	19.00
HIGH			64QAM	17.55	18.56	18.61	19.00	
50		LOW	64QAM	18.57	18.38	18.22	19.00	
		MID	64QAM	18.53	18.60	18.32	19.00	
		HIGH	64QAM	17.43	18.61	18.56	19.00	
100		LOW	64QAM	18.44	18.58	18.25	19.00	

## LTE B7-State18 -Ant.6

Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)		
5	1	LOW	QPSK	16.45	16.91	17.06	17.50		
		MID	QPSK	16.02	17.06	16.83	17.50		
		HIGH	QPSK	17.17	17.27	16.83	17.50		
	12	LOW	QPSK	17.02	17.19	16.90	17.50		
		MID	QPSK	15.97	17.13	16.99	17.50		
		HIGH	QPSK	17.27	17.25	16.71	17.50		
	25	LOW	QPSK	16.88	17.33	16.90	17.50		
	5	1	LOW	Q16	15.94	16.86	17.18	17.50	
			MID	Q16	17.05	17.07	16.69	17.50	
HIGH			Q16	16.93	17.18	16.66	17.50		
12		LOW	Q16	16.23	17.13	17.06	17.50		
		MID	Q16	16.81	17.33	16.70	17.50		
		HIGH	Q16	16.92	17.10	16.61	17.50		
25		LOW	Q16	15.96	17.08	17.07	17.50		
5		1	LOW	64QAM	17.13	17.30	16.70	17.50	
			MID	64QAM	16.79	17.20	16.87	17.50	
	HIGH		64QAM	16.21	17.03	17.13	17.50		
	12	LOW	64QAM	17.11	17.16	16.93	17.50		
		MID	64QAM	16.92	17.11	16.88	17.50		
		HIGH	64QAM	15.88	16.99	17.00	17.50		
	25	LOW	64QAM	16.96	17.25	16.90	17.50		
	10	10	1	LOW	QPSK	16.69	17.03	16.91	17.50
				MID	QPSK	16.09	17.18	16.99	17.50
HIGH				QPSK	17.11	17.14	16.65	17.50	
25			LOW	QPSK	16.89	17.26	17.04	17.50	
			MID	QPSK	16.08	17.05	17.07	17.50	
			HIGH	QPSK	17.22	17.18	16.64	17.50	
50		LOW	QPSK	16.79	17.34	16.81	17.50		
10		1	LOW	Q16	15.86	16.83	17.24	17.50	
			MID	Q16	16.90	17.17	16.73	17.50	
			HIGH	Q16	17.09	16.98	16.71	17.50	
		25	LOW	Q16	16.25	16.98	17.19	17.50	
			MID	Q16	16.86	17.09	16.69	17.50	
			HIGH	Q16	16.79	17.32	16.76	17.50	
50		LOW	Q16	16.06	17.20	16.92	17.50		
10		1	LOW	64QAM	17.08	17.06	16.73	17.50	
	MID		64QAM	16.75	17.04	16.60	17.50		
	HIGH		64QAM	16.07	17.09	17.05	17.50		
	25	LOW	64QAM	16.98	17.07	16.89	17.50		
		MID	64QAM	17.00	17.15	16.79	17.50		
		HIGH	64QAM	16.12	16.95	17.28	17.50		
	50	LOW	64QAM	16.75	17.35	16.73	17.50		

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	16.64	17.11	17.10	17.50	
		MID	QPSK	16.03	17.13	17.01	17.50	
		HIGH	QPSK	17.19	17.08	16.71	17.50	
	36	LOW	QPSK	16.89	17.15	16.99	17.50	
		MID	QPSK	16.04	16.99	16.97	17.50	
		HIGH	QPSK	17.23	17.17	16.63	17.50	
	75	LOW	QPSK	16.96	17.12	16.78	17.50	
	15	1	LOW	Q16	16.01	16.88	17.15	17.50
			MID	Q16	16.96	17.10	16.83	17.50
HIGH			Q16	16.93	17.02	16.70	17.50	
36		LOW	Q16	16.14	17.00	17.28	17.50	
		MID	Q16	17.06	17.34	16.62	17.50	
		HIGH	Q16	17.01	17.21	16.52	17.50	
75		LOW	Q16	15.88	17.02	16.98	17.50	
15		1	LOW	64QAM	17.06	17.23	16.65	17.50
			MID	64QAM	16.98	17.22	16.64	17.50
	HIGH		64QAM	16.04	17.14	17.06	17.50	
	36	LOW	64QAM	17.10	16.88	16.81	17.50	
		MID	64QAM	16.88	17.12	16.66	17.50	
		HIGH	64QAM	16.10	17.05	17.01	17.50	
	75	LOW	64QAM	17.02	17.20	16.76	17.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	16.54	17.06	16.99	17.50
MID			QPSK	16.12	17.13	16.92	17.50	
HIGH			QPSK	17.10	17.19	16.78	17.50	
50		LOW	QPSK	16.87	17.14	16.90	17.50	
		MID	QPSK	16.12	17.12	16.98	17.50	
		HIGH	QPSK	17.15	17.24	16.60	17.50	
100		LOW	QPSK	16.88	17.23	16.80	17.50	
20		1	LOW	Q16	15.93	16.94	17.14	17.50
			MID	Q16	16.98	17.04	16.80	17.50
	HIGH		Q16	16.99	17.13	16.78	17.50	
	50	LOW	Q16	16.12	16.99	17.17	17.50	
		MID	Q16	16.95	17.21	16.62	17.50	
		HIGH	Q16	16.88	17.23	16.62	17.50	
	100	LOW	Q16	15.98	17.10	16.94	17.50	
	20	1	LOW	64QAM	17.16	17.21	16.79	17.50
			MID	64QAM	16.83	17.19	16.73	17.50
HIGH			64QAM	16.08	17.16	17.00	17.50	
50		LOW	64QAM	17.07	17.02	16.86	17.50	
		MID	64QAM	16.96	17.00	16.80	17.50	
		HIGH	64QAM	15.98	17.04	17.13	17.50	
100		LOW	64QAM	16.90	17.20	16.84	17.50	

## 8.6.7 LTE Band25 (Ant.3) Output Power

LTE B25-State17 -Ant.3								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	18.13	18.15	18.16	19.50	
		MID	QPSK	18.13	18.19	18.15	19.50	
		HIGH	QPSK	18.09	18.19	18.26	19.50	
	3	LOW	QPSK	18.39	18.11	18.15	19.50	
		MID	QPSK	18.10	18.12	18.22	19.50	
		HIGH	QPSK	18.29	18.02	18.01	19.50	
	6	LOW	QPSK	18.38	18.14	18.16	19.50	
	1.4	1	LOW	Q16	18.24	18.45	18.14	19.50
			MID	Q16	18.31	18.60	18.34	19.50
HIGH			Q16	18.59	18.60	18.11	19.50	
3		LOW	Q16	18.44	18.45	18.37	19.50	
		MID	Q16	18.39	18.46	18.32	19.50	
		HIGH	Q16	18.54	18.39	18.16	19.50	
6		LOW	Q16	18.68	18.04	18.27	19.50	
1.4		1	LOW	64QAM	18.35	18.59	18.01	19.50
			MID	64QAM	18.50	<b>18.74</b>	18.13	19.50
	HIGH		64QAM	18.51	18.53	18.02	19.50	
	3	LOW	64QAM	18.50	18.11	18.35	19.50	
		MID	64QAM	18.30	18.59	18.26	19.50	
		HIGH	64QAM	18.39	18.17	18.11	19.50	
	6	LOW	64QAM	18.63	18.38	18.10	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	18.11	18.19	18.02	19.50
MID			QPSK	18.29	18.23	18.27	19.50	
HIGH			QPSK	18.17	18.11	18.42	19.50	
8		LOW	QPSK	18.41	18.21	18.18	19.50	
		MID	QPSK	18.48	18.40	18.31	19.50	
		HIGH	QPSK	18.48	18.32	18.06	19.50	
15		LOW	QPSK	18.53	18.41	18.32	19.50	
3		1	LOW	Q16	18.35	18.52	18.14	19.50
			MID	Q16	18.41	18.63	18.26	19.50
	HIGH		Q16	18.41	18.83	18.28	19.50	
	8	LOW	Q16	18.34	18.32	18.30	19.50	
		MID	Q16	18.48	18.33	18.41	19.50	
		HIGH	Q16	18.59	18.56	18.28	19.50	
	15	LOW	Q16	18.30	18.44	18.24	19.50	
	3	1	LOW	64QAM	18.35	18.47	18.06	19.50
			MID	64QAM	18.59	<b>18.92</b>	18.42	19.50
HIGH			64QAM	18.56	18.82	18.23	19.50	
8		LOW	64QAM	18.49	18.36	18.01	19.50	
		MID	64QAM	18.45	18.31	18.40	19.50	
		HIGH	64QAM	18.36	18.28	18.56	19.50	
15		LOW	64QAM	18.41	18.42	18.14	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	18.35	18.03	18.27	19.50
	MID		QPSK	18.46	18.29	18.39	19.50	
	HIGH		QPSK	18.29	18.22	18.19	19.50	
	12	LOW	QPSK	18.29	18.15	18.05	19.50	
		MID	QPSK	18.49	18.45	18.27	19.50	
		HIGH	QPSK	18.34	18.18	18.27	19.50	
	25	LOW	QPSK	18.40	18.37	18.30	19.50	
	5	1	LOW	Q16	18.39	18.61	18.46	19.50
			MID	Q16	18.41	18.76	18.35	19.50
HIGH			Q16	18.66	18.83	18.39	19.50	
12		LOW	Q16	18.43	18.41	18.16	19.50	
		MID	Q16	18.55	18.52	18.46	19.50	
		HIGH	Q16	18.56	18.53	18.40	19.50	
25		LOW	Q16	18.43	18.49	18.22	19.50	
5		1	LOW	64QAM	18.60	18.79	18.35	19.50
			MID	64QAM	18.56	<b>19.07</b>	18.38	19.50
	HIGH		64QAM	18.62	18.85	18.27	19.50	
	12	LOW	64QAM	18.27	18.54	18.37	19.50	
		MID	64QAM	18.51	18.17	18.46	19.50	
		HIGH	64QAM	18.69	18.56	18.24	19.50	
	25	LOW	64QAM	18.43	18.20	18.04	19.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	18.46	18.16	18.20	19.50	
		MID	QPSK	18.20	18.13	18.09	19.50	
		HIGH	QPSK	18.32	18.28	18.40	19.50	
	25	LOW	QPSK	18.28	18.33	18.09	19.50	
		MID	QPSK	18.30	18.38	18.35	19.50	
		HIGH	QPSK	18.38	18.49	18.27	19.50	
	50	LOW	QPSK	18.35	18.23	18.13	19.50	
	10	1	LOW	Q16	18.29	18.80	18.24	19.50
			MID	Q16	18.31	18.57	18.09	19.50
HIGH			Q16	18.28	18.77	18.17	19.50	
25		LOW	Q16	18.41	18.30	18.28	19.50	
		MID	Q16	18.32	18.39	18.45	19.50	
		HIGH	Q16	18.40	18.33	18.45	19.50	
50		LOW	Q16	18.25	18.40	18.19	19.50	
10		1	LOW	64QAM	18.36	<b>18.81</b>	18.30	19.50
			MID	64QAM	18.12	18.58	18.26	19.50
	HIGH		64QAM	18.13	18.66	18.26	19.50	
	25	LOW	64QAM	18.55	18.25	18.34	19.50	
		MID	64QAM	18.54	18.41	18.45	19.50	
		HIGH	64QAM	18.51	18.42	18.66	19.50	
	50	LOW	64QAM	18.21	18.22	18.43	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	18.22	18.38	18.20	19.50
MID			QPSK	18.13	18.08	18.17	19.50	
HIGH			QPSK	18.20	18.17	18.11	19.50	
36		LOW	QPSK	18.26	18.30	18.38	19.50	
		MID	QPSK	18.26	18.21	18.15	19.50	
		HIGH	QPSK	18.27	18.36	18.42	19.50	
75		LOW	QPSK	18.23	18.48	18.14	19.50	
15		1	LOW	Q16	18.37	18.79	18.88	19.50
			MID	Q16	18.22	18.72	18.68	19.50
	HIGH		Q16	18.17	18.70	<b>18.89</b>	19.50	
	36	LOW	Q16	18.49	18.41	18.37	19.50	
		MID	Q16	18.25	18.46	18.34	19.50	
		HIGH	Q16	18.22	18.33	18.35	19.50	
	75	LOW	Q16	18.45	18.30	18.15	19.50	
	15	1	LOW	64QAM	18.30	18.84	18.85	19.50
			MID	64QAM	18.14	18.58	18.65	19.50
HIGH			64QAM	18.22	18.72	18.81	19.50	
36		LOW	64QAM	18.23	18.43	18.04	19.50	
		MID	64QAM	18.22	18.53	18.16	19.50	
		HIGH	64QAM	18.51	18.31	18.27	19.50	
75		LOW	64QAM	18.26	18.43	18.36	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26140	26365	26590	Tune-up power(dBm)
20		1	LOW	QPSK	18.36	18.38	18.27	19.50
	MID		QPSK	18.36	18.33	18.05	19.50	
	HIGH		QPSK	18.44	18.27	18.18	19.50	
	50	LOW	QPSK	18.42	18.44	18.09	19.50	
		MID	QPSK	18.41	18.47	18.37	19.50	
		HIGH	QPSK	18.31	18.25	18.34	19.50	
	100	LOW	QPSK	18.34	18.55	18.20	19.50	
	20	1	LOW	Q16	18.89	18.82	18.52	19.50
			MID	Q16	18.74	18.70	18.46	19.50
HIGH			Q16	<b>18.99</b>	18.63	18.55	19.50	
50		LOW	Q16	18.23	18.28	18.05	19.50	
		MID	Q16	18.33	18.52	18.41	19.50	
		HIGH	Q16	18.45	18.29	18.33	19.50	
100		LOW	Q16	18.54	18.27	18.37	19.50	
20		1	LOW	64QAM	18.78	18.87	18.69	19.50
			MID	64QAM	18.87	18.58	18.74	19.50
	HIGH		64QAM	18.86	18.67	18.51	19.50	
	50	LOW	64QAM	18.25	18.07	18.39	19.50	
		MID	64QAM	18.35	18.47	18.34	19.50	
		HIGH	64QAM	18.54	18.18	18.43	19.50	
	100	LOW	64QAM	18.52	18.22	18.15	19.50	

LTE B25-State18 -Ant.3								
Bandwidth	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dB m)	
1.4	1	LOW	QPSK	13.16	13.06	13.15	14.50	
		MID	QPSK	13.28	13.37	13.24	14.50	
		HIGH	QPSK	13.27	13.17	13.54	14.50	
	3	LOW	QPSK	13.59	13.15	13.32	14.50	
		MID	QPSK	13.32	13.26	13.04	14.50	
		HIGH	QPSK	13.46	13.28	12.97	14.50	
	6	LOW	QPSK	13.63	13.46	13.31	14.50	
	1.4	1	LOW	Q16	13.28	13.50	13.40	14.50
			MID	Q16	13.36	13.80	13.20	14.50
HIGH			Q16	13.62	<b>14.08</b>	13.41	14.50	
3		LOW	Q16	13.09	13.52	13.16	14.50	
		MID	Q16	13.48	13.38	13.41	14.50	
		HIGH	Q16	13.78	13.49	13.23	14.50	
6		LOW	Q16	13.15	13.29	13.26	14.50	
1.4		1	LOW	64QAM	13.12	13.53	13.24	14.50
			MID	64QAM	13.56	13.92	13.52	14.50
	HIGH		64QAM	13.86	13.90	13.38	14.50	
	3	LOW	64QAM	13.53	13.51	13.20	14.50	
		MID	64QAM	13.52	13.33	13.51	14.50	
		HIGH	64QAM	13.35	13.16	13.30	14.50	
	6	LOW	64QAM	13.42	13.38	13.16	14.50	
	Bandwidth	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dB m)
	3	1	LOW	QPSK	13.14	13.10	13.11	14.50
MID			QPSK	13.27	13.25	13.28	14.50	
HIGH			QPSK	13.25	13.03	13.52	14.50	
8		LOW	QPSK	13.53	13.14	13.30	14.50	
		MID	QPSK	13.37	13.31	13.19	14.50	
		HIGH	QPSK	13.36	13.22	12.91	14.50	
15		LOW	QPSK	13.61	13.37	13.32	14.50	
3		1	LOW	Q16	13.24	13.39	13.29	14.50
			MID	Q16	13.44	13.66	13.13	14.50
	HIGH		Q16	13.54	<b>13.98</b>	13.29	14.50	
	8	LOW	Q16	13.24	13.41	13.22	14.50	
		MID	Q16	13.35	13.32	13.44	14.50	
		HIGH	Q16	13.64	13.58	13.37	14.50	
	15	LOW	Q16	13.27	13.41	13.33	14.50	
	3	1	LOW	64QAM	13.23	13.44	13.11	14.50
			MID	64QAM	13.68	13.91	13.52	14.50
HIGH			64QAM	13.71	13.87	13.33	14.50	
8		LOW	64QAM	13.39	13.42	13.16	14.50	
		MID	64QAM	13.58	13.36	13.38	14.50	
		HIGH	64QAM	13.37	13.22	13.44	14.50	
15		LOW	64QAM	13.36	13.32	13.16	14.50	
Bandwidth		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dB m)
5		1	LOW	QPSK	13.42	13.00	13.12	14.50
	MID		QPSK	13.55	13.25	13.41	14.50	
	HIGH		QPSK	13.31	13.13	13.13	14.50	
	12	LOW	QPSK	13.43	13.28	13.15	14.50	
		MID	QPSK	13.41	13.39	13.24	14.50	
		HIGH	QPSK	13.36	13.21	13.27	14.50	
	25	LOW	QPSK	13.51	13.49	13.39	14.50	
	5	1	LOW	Q16	13.50	13.54	13.48	14.50
			MID	Q16	13.41	13.85	13.37	14.50
HIGH			Q16	13.73	13.86	13.48	14.50	
12		LOW	Q16	13.39	13.45	13.06	14.50	
		MID	Q16	13.48	13.60	13.37	14.50	
		HIGH	Q16	13.68	13.52	13.54	14.50	
25		LOW	Q16	13.54	13.47	13.09	14.50	
5		1	LOW	64QAM	13.55	13.87	13.39	14.50
			MID	64QAM	13.50	<b>14.06</b>	13.50	14.50
	HIGH		64QAM	13.74	13.95	13.40	14.50	
	12	LOW	64QAM	13.32	13.56	13.38	14.50	
		MID	64QAM	13.63	13.28	13.47	14.50	
		HIGH	64QAM	13.60	13.59	13.28	14.50	
	25	LOW	64QAM	13.43	13.17	13.08	14.50	

Bandwidth	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dB m)	
10	1	LOW	QPSK	13.44	13.31	13.35	14.50	
		MID	QPSK	13.06	12.98	13.14	14.50	
		HIGH	QPSK	13.34	13.18	13.38	14.50	
	25	LOW	QPSK	13.36	13.32	13.05	14.50	
		MID	QPSK	13.40	13.48	13.22	14.50	
		HIGH	QPSK	13.27	13.61	13.30	14.50	
	50	LOW	QPSK	13.35	13.28	13.04	14.50	
	10	1	LOW	Q16	13.43	13.78	13.36	14.50
			MID	Q16	13.29	13.50	13.07	14.50
HIGH			Q16	13.37	13.80	13.25	14.50	
25		LOW	Q16	13.34	13.17	13.13	14.50	
		MID	Q16	13.43	13.31	13.33	14.50	
		HIGH	Q16	13.43	13.47	13.55	14.50	
50		LOW	Q16	13.25	13.42	13.05	14.50	
10		1	LOW	64QAM	13.24	<b>13.87</b>	13.33	14.50
			MID	64QAM	13.05	13.49	13.35	14.50
	HIGH		64QAM	13.06	13.58	13.28	14.50	
	25	LOW	64QAM	13.45	13.27	13.25	14.50	
		MID	64QAM	13.40	13.28	13.33	14.50	
		HIGH	64QAM	13.66	13.37	13.60	14.50	
	50	LOW	64QAM	13.14	13.24	13.48	14.50	
	Bandwidth	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dB m)
	15	1	LOW	QPSK	13.29	13.46	13.13	14.50
MID			QPSK	13.20	13.20	13.02	14.50	
HIGH			QPSK	13.10	13.11	13.09	14.50	
36		LOW	QPSK	13.30	13.41	13.45	14.50	
		MID	QPSK	13.12	13.19	13.06	14.50	
		HIGH	QPSK	13.23	13.30	13.41	14.50	
75		LOW	QPSK	13.11	13.58	13.11	14.50	
15		1	LOW	Q16	13.42	13.85	13.74	14.50
			MID	Q16	13.08	13.65	13.61	14.50
	HIGH		Q16	13.05	13.59	13.78	14.50	
	36	LOW	Q16	13.45	13.48	13.51	14.50	
		MID	Q16	13.34	13.49	13.28	14.50	
		HIGH	Q16	13.33	13.27	13.27	14.50	
	75	LOW	Q16	13.51	13.41	13.09	14.50	
	15	1	LOW	64QAM	13.23	13.88	<b>13.97</b>	14.50
			MID	64QAM	13.11	13.44	13.75	14.50
HIGH			64QAM	13.10	13.61	13.87	14.50	
36		LOW	64QAM	13.28	13.48	13.17	14.50	
		MID	64QAM	13.24	13.64	13.16	14.50	
		HIGH	64QAM	13.59	13.36	13.17	14.50	
75		LOW	64QAM	13.26	13.52	13.34	14.50	
Bandwidth		RB Size	RB offset	Modulation	26140	26365	26590	Tune-up power(dB m)
20		1	LOW	QPSK	13.31	13.29	13.29	14.50
	MID		QPSK	13.23	13.33	13.06	14.50	
	HIGH		QPSK	13.25	13.16	13.09	14.50	
	50	LOW	QPSK	13.30	13.54	13.17	14.50	
		MID	QPSK	13.42	13.51	13.22	14.50	
		HIGH	QPSK	13.28	13.31	13.44	14.50	
	100	LOW	QPSK	13.28	13.67	13.09	14.50	
	20	1	LOW	Q16	<b>13.94</b>	13.72	13.59	14.50
			MID	Q16	13.75	13.68	13.40	14.50
HIGH			Q16	13.85	13.78	13.53	14.50	
50		LOW	Q16	13.12	13.40	13.15	14.50	
		MID	Q16	13.29	13.44	13.50	14.50	
		HIGH	Q16	13.60	13.40	13.27	14.50	
100		LOW	Q16	13.42	13.13	13.24	14.50	
20		1	LOW	64QAM	13.72	13.79	13.83	14.50
			MID	64QAM	13.88	13.54	13.88	14.50
	HIGH		64QAM	13.84	13.77	13.37	14.50	
	36	LOW	64QAM	13.39	13.15	13.44	14.50	
		MID	64QAM	13.43	13.48	13.31	14.50	
		HIGH	64QAM	13.69	13.22	13.28	14.50	
	75	LOW	64QAM	13.41	13.27	13.00	14.50	

## 8.6.8 LTE Band25 (Ant.4) Output Power

LTE B25-State17 -Ant.3								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	18.03	18.39	18.27	20.00	
		MID	QPSK	18.40	18.30	18.33	20.00	
		HIGH	QPSK	18.07	18.30	18.13	20.00	
	3	LOW	QPSK	18.07	18.08	18.31	20.00	
		MID	QPSK	18.17	18.23	18.12	20.00	
		HIGH	QPSK	18.17	18.33	18.33	20.00	
	6	LOW	QPSK	18.37	18.42	18.35	20.00	
	1.4	1	LOW	Q16	18.46	18.76	18.35	20.00
			MID	Q16	18.61	18.72	18.21	20.00
HIGH			Q16	18.39	18.65	18.34	20.00	
3		LOW	Q16	18.47	18.60	18.35	20.00	
		MID	Q16	18.35	18.36	18.44	20.00	
		HIGH	Q16	18.48	18.28	18.37	20.00	
6		LOW	Q16	18.66	18.34	18.45	20.00	
1.4		1	LOW	64QAM	18.44	18.81	18.27	20.00
			MID	64QAM	18.49	<b>18.84</b>	18.39	20.00
	HIGH		64QAM	18.48	18.51	18.38	20.00	
	3	LOW	64QAM	18.42	18.40	18.29	20.00	
		MID	64QAM	18.40	18.56	18.76	20.00	
		HIGH	64QAM	18.70	18.56	18.40	20.00	
	6	LOW	64QAM	18.27	18.37	18.66	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	18.28	18.23	18.09	20.00
MID			QPSK	18.07	18.12	18.24	20.00	
HIGH			QPSK	18.23	18.22	18.29	20.00	
8		LOW	QPSK	18.32	18.07	18.28	20.00	
		MID	QPSK	18.30	18.25	18.34	20.00	
		HIGH	QPSK	18.29	18.08	18.17	20.00	
15		LOW	QPSK	18.10	18.15	18.29	20.00	
3		1	LOW	Q16	18.04	18.26	18.06	20.00
			MID	Q16	18.41	18.84	18.37	20.00
	HIGH		Q16	18.11	18.59	18.39	20.00	
	8	LOW	Q16	18.07	18.11	18.00	20.00	
		MID	Q16	18.11	18.42	18.26	20.00	
		HIGH	Q16	18.34	18.58	18.07	20.00	
	15	LOW	Q16	18.30	18.26	18.22	20.00	
	3	1	LOW	64QAM	18.25	18.30	18.01	20.00
			MID	64QAM	18.32	<b>18.91</b>	18.24	20.00
HIGH			64QAM	18.46	18.56	18.50	20.00	
8		LOW	64QAM	18.30	18.11	18.02	20.00	
		MID	64QAM	18.13	18.23	18.00	20.00	
		HIGH	64QAM	18.38	18.46	18.12	20.00	
15		LOW	64QAM	18.12	18.14	18.37	20.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	18.16	18.27	18.19	20.00
	MID		QPSK	18.05	18.12	18.10	20.00	
	HIGH		QPSK	18.24	18.27	18.02	20.00	
	12	LOW	QPSK	18.02	18.16	18.15	20.00	
		MID	QPSK	18.06	18.08	18.21	20.00	
		HIGH	QPSK	18.11	18.22	18.12	20.00	
	25	LOW	QPSK	18.04	18.37	18.05	20.00	
	5	1	LOW	Q16	18.04	18.45	18.31	20.00
			MID	Q16	18.35	<b>18.78</b>	18.42	20.00
HIGH			Q16	18.36	18.56	18.25	20.00	
12		LOW	Q16	18.19	18.12	18.11	20.00	
		MID	Q16	18.17	18.09	18.40	20.00	
		HIGH	Q16	18.27	18.32	18.22	20.00	
25		LOW	Q16	18.03	18.20	18.07	20.00	
5		1	LOW	64QAM	18.13	18.51	18.25	20.00
			MID	64QAM	18.40	18.77	18.25	20.00
	HIGH		64QAM	18.33	18.66	18.28	20.00	
	12	LOW	64QAM	18.38	18.15	18.10	20.00	
		MID	64QAM	18.09	18.36	18.15	20.00	
		HIGH	64QAM	18.14	18.26	18.32	20.00	
	25	LOW	64QAM	17.88	18.36	18.30	20.00	



Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	18.03	18.32	18.09	20.00	
		MID	QPSK	18.29	18.07	18.11	20.00	
		HIGH	QPSK	18.16	18.03	18.04	20.00	
	25	LOW	QPSK	18.12	18.13	18.06	20.00	
		MID	QPSK	18.23	18.25	18.21	20.00	
		HIGH	QPSK	18.23	18.14	18.16	20.00	
	50	LOW	QPSK	18.08	18.22	18.27	20.00	
	10	1	LOW	Q16	18.18	18.33	18.24	20.00
			MID	Q16	18.22	<b>18.72</b>	18.15	20.00
HIGH			Q16	18.37	18.38	18.23	20.00	
25		LOW	Q16	18.29	18.14	18.04	20.00	
		MID	Q16	18.18	18.31	18.36	20.00	
		HIGH	Q16	18.15	18.33	18.42	20.00	
50		LOW	Q16	18.08	18.10	18.08	20.00	
10		1	LOW	64QAM	18.14	18.34	18.18	20.00
			MID	64QAM	18.02	18.41	18.04	20.00
	HIGH		64QAM	18.21	18.37	18.07	20.00	
	25	LOW	64QAM	18.30	18.21	18.07	20.00	
		MID	64QAM	18.07	18.42	18.23	20.00	
		HIGH	64QAM	18.25	18.27	18.18	20.00	
	50	LOW	64QAM	18.12	18.29	18.19	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	18.11	18.16	18.19	20.00
MID			QPSK	18.06	18.34	18.36	20.00	
HIGH			QPSK	18.38	18.28	18.14	20.00	
36		LOW	QPSK	18.16	18.37	18.22	20.00	
		MID	QPSK	18.14	18.39	18.38	20.00	
		HIGH	QPSK	18.38	18.41	18.54	20.00	
75		LOW	QPSK	18.29	18.31	18.19	20.00	
15		1	LOW	Q16	18.25	18.59	18.72	20.00
			MID	Q16	18.45	18.73	18.76	20.00
	HIGH		Q16	18.26	18.47	18.82	20.00	
	36	LOW	Q16	18.38	18.27	18.36	20.00	
		MID	Q16	18.26	18.42	18.42	20.00	
		HIGH	Q16	18.19	18.23	18.47	20.00	
	75	LOW	Q16	18.16	18.25	18.20	20.00	
	15	1	LOW	64QAM	18.25	18.58	18.79	20.00
			MID	64QAM	18.34	18.62	<b>18.86</b>	20.00
HIGH			64QAM	18.61	18.55	18.48	20.00	
36		LOW	64QAM	18.09	18.29	18.35	20.00	
		MID	64QAM	18.25	18.33	18.24	20.00	
		HIGH	64QAM	18.46	18.21	18.26	20.00	
75		LOW	64QAM	18.15	18.34	18.44	20.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26140	26365	26590	Tune-up power(dBm)
20		1	LOW	QPSK	18.42	18.13	18.30	20.00
	MID		QPSK	18.35	18.43	18.35	20.00	
	HIGH		QPSK	18.25	18.34	18.25	20.00	
	50	LOW	QPSK	18.34	18.32	18.33	20.00	
		MID	QPSK	18.39	18.41	18.29	20.00	
		HIGH	QPSK	18.15	18.22	18.34	20.00	
	100	LOW	QPSK	18.41	18.45	18.41	20.00	
	20	1	LOW	Q16	18.70	18.69	18.85	20.00
			MID	Q16	18.69	18.57	18.74	20.00
HIGH			Q16	18.65	18.68	18.72	20.00	
50		LOW	Q16	18.31	18.44	18.32	20.00	
		MID	Q16	18.26	18.31	18.38	20.00	
		HIGH	Q16	18.26	18.44	18.32	20.00	
100		LOW	Q16	18.27	18.49	18.33	20.00	
20		1	LOW	64QAM	18.74	18.82	18.83	20.00
			MID	64QAM	18.86	<b>18.87</b>	18.45	20.00
	HIGH		64QAM	<b>18.87</b>	18.58	18.43	20.00	
	50	LOW	64QAM	18.39	18.21	18.20	20.00	
		MID	64QAM	18.50	18.24	18.29	20.00	
		HIGH	64QAM	18.36	18.49	18.18	20.00	
	100	LOW	64QAM	18.12	18.32	18.32	20.00	

LTE B25-State18 -Ant.3								
Bandwidth	RB Size	RB offset	Modulation	26047	26365	26683	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.15	22.24	22.14	24.00	
		MID	QPSK	22.26	<b>22.29</b>	22.23	24.00	
		HIGH	QPSK	22.22	22.25	22.19	24.00	
	3	LOW	QPSK	22.20	22.21	22.20	24.00	
		MID	QPSK	22.25	22.26	22.23	24.00	
		HIGH	QPSK	22.27	22.24	22.21	24.00	
	6	LOW	QPSK	21.33	21.30	21.22	23.00	
	1.4	1	LOW	Q16	21.42	21.61	21.22	23.00
			MID	Q16	21.51	21.70	21.34	23.00
HIGH			Q16	21.53	21.61	21.31	23.00	
3		LOW	Q16	21.43	21.49	21.30	23.00	
		MID	Q16	21.49	21.43	21.50	23.00	
		HIGH	Q16	21.52	21.40	21.40	23.00	
6		LOW	Q16	20.56	20.19	20.47	22.00	
1.4		1	LOW	64QAM	20.57	20.72	20.12	22.00
			MID	64QAM	20.47	20.74	20.30	22.00
	HIGH		64QAM	20.52	20.60	20.24	22.00	
	3	LOW	64QAM	20.38	20.42	20.39	22.00	
		MID	64QAM	20.41	20.53	20.61	22.00	
		HIGH	64QAM	20.61	20.43	20.37	22.00	
	6	LOW	64QAM	19.41	19.27	19.53	21.00	
	Bandwidth	RB Size	RB offset	Modulation	26055	26365	26675	Tune-up power(dBm)
	3	1	LOW	QPSK	22.14	22.17	22.10	24.00
MID			QPSK	22.20	22.08	22.23	24.00	
HIGH			QPSK	<b>22.28</b>	22.10	22.18	24.00	
8		LOW	QPSK	21.24	21.09	21.14	23.00	
		MID	QPSK	21.30	21.11	21.21	23.00	
		HIGH	QPSK	21.29	21.16	21.21	23.00	
15		LOW	QPSK	21.25	21.13	21.17	23.00	
3		1	LOW	Q16	21.12	21.40	21.19	23.00
			MID	Q16	21.32	21.78	21.31	23.00
	HIGH		Q16	21.26	21.65	21.29	23.00	
	8	LOW	Q16	20.22	20.26	20.08	22.00	
		MID	Q16	20.23	20.42	20.20	22.00	
		HIGH	Q16	20.25	20.43	20.22	22.00	
	15	LOW	Q16	20.17	20.32	20.11	22.00	
	3	1	LOW	64QAM	20.10	20.35	20.11	22.00
			MID	64QAM	20.24	20.85	20.22	22.00
HIGH			64QAM	20.37	20.59	20.41	22.00	
8		LOW	64QAM	19.20	19.23	19.13	21.00	
		MID	64QAM	19.25	19.38	19.06	21.00	
		HIGH	64QAM	19.34	19.33	19.12	21.00	
15		LOW	64QAM	19.08	19.23	19.22	21.00	
Bandwidth		RB Size	RB offset	Modulation	26065	26365	26665	Tune-up power(dBm)
5		1	LOW	QPSK	<b>22.28</b>	22.27	22.26	24.00
	MID		QPSK	22.07	22.01	22.10	24.00	
	HIGH		QPSK	22.20	22.04	22.02	24.00	
	12	LOW	QPSK	21.05	21.22	21.04	23.00	
		MID	QPSK	21.10	21.09	21.11	23.00	
		HIGH	QPSK	21.11	21.09	21.11	23.00	
	25	LOW	QPSK	21.07	21.29	21.09	23.00	
	5	1	LOW	Q16	21.17	21.50	21.19	23.00
			MID	Q16	21.27	21.64	21.27	23.00
HIGH			Q16	21.24	21.56	21.25	23.00	
12		LOW	Q16	20.13	20.10	20.18	22.00	
		MID	Q16	20.25	20.23	20.26	22.00	
		HIGH	Q16	20.22	20.24	20.23	22.00	
25		LOW	Q16	20.10	20.12	20.10	22.00	
5		1	LOW	64QAM	20.18	20.40	20.22	22.00
			MID	64QAM	20.39	20.79	20.38	22.00
	HIGH		64QAM	20.38	20.58	20.31	22.00	
	12	LOW	64QAM	19.25	19.13	19.21	21.00	
		MID	64QAM	19.10	19.21	19.15	21.00	
		HIGH	64QAM	19.18	19.24	19.26	21.00	
	25	LOW	64QAM	18.98	19.24	19.23	21.00	

Bandwidth	RB Size	RB offset	Modulation	26090	26365	26640	Tune-up power(dBm)	
10	1	LOW	QPSK	22.04	<b>22.27</b>	22.10	24.00	
		MID	QPSK	22.24	22.00	22.10	24.00	
		HIGH	QPSK	22.25	22.01	22.18	24.00	
	25	LOW	QPSK	21.11	21.04	21.04	23.00	
		MID	QPSK	21.11	21.12	21.13	23.00	
		HIGH	QPSK	21.16	21.15	21.19	23.00	
	50	LOW	QPSK	21.14	21.16	21.14	23.00	
	10	1	LOW	Q16	21.16	21.45	21.15	23.00
			MID	Q16	21.15	21.61	21.04	23.00
HIGH			Q16	21.00	21.49	21.19	23.00	
25		LOW	Q16	20.17	20.07	20.16	22.00	
		MID	Q16	20.16	20.20	20.23	22.00	
		HIGH	Q16	20.18	20.20	20.29	22.00	
50		LOW	Q16	20.11	20.20	20.19	22.00	
10		1	LOW	64QAM	20.03	20.36	20.10	22.00
			MID	64QAM	20.09	20.48	20.19	22.00
	HIGH		64QAM	20.16	20.41	20.08	22.00	
	25	LOW	64QAM	19.27	19.00	19.16	21.00	
		MID	64QAM	19.16	19.28	19.37	21.00	
		HIGH	64QAM	19.21	19.34	19.21	21.00	
	50	LOW	64QAM	19.02	19.23	19.17	21.00	
	Bandwidth	RB Size	RB offset	Modulation	26115	26365	26615	Tune-up power(dBm)
	15	1	LOW	QPSK	22.01	22.00	22.03	24.00
MID			QPSK	22.00	<b>22.18</b>	22.03	24.00	
HIGH			QPSK	22.05	22.05	22.03	24.00	
36		LOW	QPSK	21.10	21.08	21.11	23.00	
		MID	QPSK	21.08	21.14	21.09	23.00	
		HIGH	QPSK	21.08	21.10	21.20	23.00	
75		LOW	QPSK	21.09	21.10	21.09	23.00	
15		1	LOW	Q16	21.11	21.46	21.62	23.00
			MID	Q16	21.12	21.42	21.61	23.00
	HIGH		Q16	21.11	21.42	21.58	23.00	
	36	LOW	Q16	20.06	20.11	20.11	22.00	
		MID	Q16	20.10	20.23	20.10	22.00	
		HIGH	Q16	20.07	20.16	20.13	22.00	
	75	LOW	Q16	20.06	20.17	20.08	22.00	
	15	1	LOW	64QAM	20.17	20.41	20.52	22.00
			MID	64QAM	20.03	20.46	20.73	22.00
HIGH			64QAM	20.26	20.31	20.43	22.00	
36		LOW	64QAM	19.04	19.02	19.05	21.00	
		MID	64QAM	19.00	19.14	19.00	21.00	
		HIGH	64QAM	19.11	19.01	19.02	21.00	
75		LOW	64QAM	19.02	19.22	19.25	21.00	
Bandwidth		RB Size	RB offset	Modulation	26140	26365	26590	Tune-up power(dBm)
20		1	LOW	QPSK	22.08	22.07	22.09	24.00
	MID		QPSK	22.00	<b>22.11</b>	22.07	24.00	
	HIGH		QPSK	22.03	22.00	22.04	24.00	
	50	LOW	QPSK	21.02	21.09	21.08	23.00	
		MID	QPSK	21.12	21.18	21.20	23.00	
		HIGH	QPSK	21.07	21.15	21.15	23.00	
	100	LOW	QPSK	21.12	21.14	21.10	23.00	
	20	1	LOW	Q16	21.56	21.55	21.50	23.00
			MID	Q16	21.61	21.50	21.48	23.00
HIGH			Q16	21.56	21.51	21.50	23.00	
50		LOW	Q16	20.09	20.12	20.06	22.00	
		MID	Q16	20.17	20.17	20.19	22.00	
		HIGH	Q16	20.10	20.15	20.16	22.00	
100		LOW	Q16	20.16	20.15	20.14	22.00	
20		1	LOW	64QAM	20.45	20.49	20.61	22.00
			MID	64QAM	20.74	20.56	20.40	22.00
	HIGH		64QAM	20.59	20.51	20.35	22.00	
	50	LOW	64QAM	19.17	19.02	19.11	21.00	
		MID	64QAM	19.21	19.12	19.24	21.00	
		HIGH	64QAM	19.05	19.22	19.02	21.00	
	100	LOW	64QAM	19.04	19.02	19.04	21.00	

## 8.6.9 LTE Band26 (Ant.0) Output Power

LTE B26-State17 -Ant.0								
Bandwidth	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.51	20.51	20.51	21.70	
		MID	QPSK	20.72	20.56	20.38	21.70	
		HIGH	QPSK	20.48	20.60	20.31	21.70	
	3	LOW	QPSK	20.67	20.71	20.43	21.70	
		MID	QPSK	20.71	20.63	20.42	21.70	
		HIGH	QPSK	20.58	20.56	20.46	21.70	
	6	LOW	QPSK	20.64	20.64	20.70	21.70	
	1.4	1	LOW	Q16	20.67	20.95	20.45	21.70
			MID	Q16	20.82	21.15	20.44	21.70
HIGH			Q16	20.79	20.84	20.51	21.70	
3		LOW	Q16	20.85	20.81	20.77	21.70	
		MID	Q16	20.86	20.95	20.73	21.70	
		HIGH	Q16	20.73	20.93	20.83	21.70	
6		LOW	Q16	20.73	20.44	20.80	21.70	
1.4		1	LOW	64QAM	20.59	20.96	20.34	21.70
			MID	64QAM	20.68	21.15	20.48	21.70
	HIGH		64QAM	20.78	21.05	20.53	21.70	
	3	LOW	64QAM	20.55	20.97	20.65	21.70	
		MID	64QAM	20.71	20.91	20.80	21.70	
		HIGH	64QAM	20.88	20.80	20.59	21.70	
	6	LOW	64QAM	19.80	19.56	20.04	20.70	
	Bandwidth	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	20.79	20.56	20.53	21.70
MID			QPSK	20.69	20.69	20.59	21.70	
HIGH			QPSK	20.47	20.62	20.54	21.70	
8		LOW	QPSK	20.71	20.76	20.54	21.70	
		MID	QPSK	20.78	20.85	20.49	21.70	
		HIGH	QPSK	20.69	20.66	20.55	21.70	
15		LOW	QPSK	20.69	20.59	20.53	21.70	
3		1	LOW	Q16	20.73	21.06	20.85	21.70
			MID	Q16	20.81	21.30	20.64	21.70
	HIGH		Q16	20.43	21.14	20.49	21.70	
	8	LOW	Q16	20.94	20.73	20.85	21.70	
		MID	Q16	20.76	20.80	20.80	21.70	
		HIGH	Q16	20.64	20.78	20.57	21.70	
	15	LOW	Q16	20.65	20.59	20.53	21.70	
	3	1	LOW	64QAM	20.61	21.11	20.73	21.70
			MID	64QAM	20.65	21.11	20.51	21.70
HIGH			64QAM	20.54	21.15	20.67	21.70	
8		LOW	64QAM	19.74	19.85	19.79	20.70	
		MID	64QAM	19.91	19.92	19.83	20.70	
		HIGH	64QAM	19.61	19.59	19.62	20.70	
15		LOW	64QAM	19.87	19.90	19.76	20.70	
Bandwidth		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	20.68	20.77	20.66	21.70
	MID		QPSK	20.81	20.75	20.49	21.70	
	HIGH		QPSK	20.29	20.61	20.34	21.70	
	12	LOW	QPSK	20.71	20.61	20.66	21.70	
		MID	QPSK	20.74	20.78	20.56	21.70	
		HIGH	QPSK	20.53	20.80	20.46	21.70	
	25	LOW	QPSK	20.61	20.73	20.75	21.70	
	5	1	LOW	Q16	20.85	21.11	20.80	21.70
			MID	Q16	20.93	21.16	20.75	21.70
HIGH			Q16	20.65	21.18	20.91	21.70	
12		LOW	Q16	20.91	21.01	20.86	21.70	
		MID	Q16	20.91	21.00	20.69	21.70	
		HIGH	Q16	20.64	20.72	20.57	21.70	
25		LOW	Q16	20.72	20.78	20.68	21.70	
5		1	LOW	64QAM	20.90	21.31	20.77	21.70
			MID	64QAM	21.05	21.03	20.85	21.70
	HIGH		64QAM	20.68	21.13	20.57	21.70	
	12	LOW	64QAM	19.87	19.92	20.05	20.70	
		MID	64QAM	19.74	19.65	19.61	20.70	
		HIGH	64QAM	19.99	19.70	19.54	20.70	
	25	LOW	64QAM	19.59	19.88	19.86	20.70	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	20.65	20.53	20.85	21.70	
		MID	QPSK	20.43	20.59	20.74	21.70	
		HIGH	QPSK	20.68	20.59	20.69	21.70	
	25	LOW	QPSK	20.83	20.73	20.84	21.70	
		MID	QPSK	20.82	20.81	20.69	21.70	
		HIGH	QPSK	20.60	20.61	20.81	21.70	
	50	LOW	QPSK	20.62	20.69	20.64	21.70	
	10	1	LOW	Q16	20.76	21.12	20.65	21.70
			MID	Q16	20.51	20.95	20.65	21.70
HIGH			Q16	20.66	20.93	20.55	21.70	
25		LOW	Q16	20.90	20.68	20.87	21.70	
		MID	Q16	20.81	20.72	20.73	21.70	
		HIGH	Q16	20.68	20.82	20.69	21.70	
50		LOW	Q16	20.60	20.56	20.85	21.70	
10		1	LOW	64QAM	20.87	20.99	20.59	21.70
			MID	64QAM	20.54	20.83	20.71	21.70
	HIGH		64QAM	20.59	21.10	20.54	21.70	
	25	LOW	64QAM	19.95	19.58	19.57	20.70	
		MID	64QAM	19.53	19.57	19.90	20.70	
		HIGH	64QAM	19.92	19.72	19.59	20.70	
	50	LOW	64QAM	19.79	19.55	19.66	20.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	20.56	20.48	20.55	21.70
MID			QPSK	20.54	20.69	20.62	21.70	
HIGH			QPSK	20.62	20.60	20.52	21.70	
36		LOW	QPSK	20.53	20.83	20.69	21.70	
		MID	QPSK	20.59	20.83	20.81	21.70	
		HIGH	QPSK	20.61	20.60	20.69	21.70	
75		LOW	QPSK	20.81	20.66	20.61	21.70	
15		1	LOW	Q16	20.59	20.98	21.09	21.70
			MID	Q16	20.45	20.97	20.99	21.70
	HIGH		Q16	20.58	20.92	20.77	21.70	
	36	LOW	Q16	20.50	20.65	20.80	21.70	
		MID	Q16	20.65	20.81	20.73	21.70	
		HIGH	Q16	20.47	20.94	20.73	21.70	
	75	LOW	Q16	20.77	20.64	20.75	21.70	
	15	1	LOW	64QAM	20.40	21.16	21.18	21.70
			MID	64QAM	20.45	21.15	21.17	21.70
HIGH			64QAM	20.35	21.06	20.84	21.70	
36		LOW	64QAM	19.56	19.91	19.69	20.70	
		MID	64QAM	19.72	19.76	19.90	20.70	
		HIGH	64QAM	19.62	19.80	19.69	20.70	
75		LOW	64QAM	19.73	19.78	19.49	20.70	

LTE B26-State18 -Ant.0								
Bandwidth	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.58	21.57	21.50	22.70	
		MID	QPSK	21.57	21.60	21.50	22.70	
		HIGH	QPSK	21.49	21.53	21.42	22.70	
	3	LOW	QPSK	21.65	21.56	21.53	22.70	
		MID	QPSK	21.58	21.59	21.51	22.70	
		HIGH	QPSK	21.55	21.57	21.51	22.70	
	6	LOW	QPSK	20.65	20.66	20.55	21.70	
	1.4	1	LOW	Q16	20.79	20.96	20.56	21.70
			MID	Q16	20.78	21.03	20.57	21.70
HIGH			Q16	20.75	20.97	20.61	21.70	
3		LOW	Q16	20.76	20.86	20.74	21.70	
		MID	Q16	20.71	20.86	20.83	21.70	
		HIGH	Q16	20.69	20.84	20.77	21.70	
6		LOW	Q16	19.88	19.51	19.79	20.70	
1.4		1	LOW	64QAM	19.72	20.10	19.46	20.70
			MID	64QAM	19.76	20.07	19.62	20.70
	HIGH		64QAM	19.85	20.07	19.49	20.70	
	3	LOW	64QAM	19.62	19.91	19.69	20.70	
		MID	64QAM	19.58	19.78	19.75	20.70	
		HIGH	64QAM	19.79	19.71	19.66	20.70	
	6	LOW	64QAM	18.73	18.43	18.91	19.70	
	Bandwidth	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	21.71	21.62	21.65	22.70
MID			QPSK	21.66	21.62	21.64	22.70	
HIGH			QPSK	21.57	21.61	21.56	22.70	
8		LOW	QPSK	20.70	20.72	20.66	21.70	
		MID	QPSK	20.69	20.72	20.63	21.70	
		HIGH	QPSK	20.67	20.69	20.54	21.70	
15		LOW	QPSK	20.73	20.65	20.63	21.70	
3		1	LOW	Q16	20.69	21.09	20.77	21.70
			MID	Q16	20.74	21.18	20.73	21.70
	HIGH		Q16	20.53	21.09	20.63	21.70	
	8	LOW	Q16	19.85	19.77	19.72	20.70	
		MID	Q16	19.83	19.87	19.73	20.70	
		HIGH	Q16	19.78	19.80	19.64	20.70	
	15	LOW	Q16	19.76	19.72	19.66	20.70	
	3	1	LOW	64QAM	19.75	20.24	19.67	20.70
			MID	64QAM	19.75	20.13	19.62	20.70
HIGH			64QAM	19.55	20.24	19.76	20.70	
8		LOW	64QAM	18.75	18.85	18.82	20.70	
		MID	64QAM	18.95	18.89	18.72	20.70	
		HIGH	64QAM	18.74	18.70	18.77	20.70	
15		LOW	64QAM	18.75	18.79	18.81	19.70	
Bandwidth		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	21.70	21.68	21.63	22.70
	MID		QPSK	21.66	21.70	21.58	22.70	
	HIGH		QPSK	21.44	21.71	21.48	22.70	
	12	LOW	QPSK	20.75	20.70	20.70	21.70	
		MID	QPSK	20.71	20.74	20.65	21.70	
		HIGH	QPSK	20.62	20.70	20.59	21.70	
	25	LOW	QPSK	20.70	20.68	20.67	21.70	
	5	1	LOW	Q16	20.92	21.22	20.77	21.70
			MID	Q16	20.87	21.29	20.82	21.70
HIGH			Q16	20.76	21.17	20.76	21.70	
12		LOW	Q16	19.84	19.89	19.83	20.70	
		MID	Q16	19.81	19.92	19.78	20.70	
		HIGH	Q16	19.72	19.86	19.71	20.70	
25		LOW	Q16	19.73	19.67	19.63	20.70	
5		1	LOW	64QAM	20.01	20.22	19.77	20.70
			MID	64QAM	19.96	20.17	19.76	20.70
	HIGH		64QAM	19.81	20.06	19.72	20.70	
	12	LOW	64QAM	18.76	18.85	18.98	19.70	
		MID	64QAM	18.71	18.80	18.66	19.70	
		HIGH	64QAM	18.84	18.72	18.64	19.70	
	25	LOW	64QAM	18.59	18.75	18.78	19.70	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	21.65	21.60	21.73	22.70	
		MID	QPSK	21.51	21.62	21.63	22.70	
		HIGH	QPSK	21.55	21.64	21.59	22.70	
	25	LOW	QPSK	20.70	20.72	20.69	21.70	
		MID	QPSK	20.71	20.69	20.65	21.70	
		HIGH	QPSK	20.63	20.73	20.69	21.70	
	50	LOW	QPSK	20.70	20.67	20.64	21.70	
	10	1	LOW	Q16	20.68	21.06	20.72	21.70
			MID	Q16	20.54	21.07	20.58	21.70
HIGH			Q16	20.61	21.05	20.64	21.70	
25		LOW	Q16	19.77	19.77	19.77	20.70	
		MID	Q16	19.73	19.76	19.79	20.70	
		HIGH	Q16	19.71	19.76	19.77	20.70	
50		LOW	Q16	19.66	19.71	19.70	20.70	
10		1	LOW	64QAM	19.80	20.11	19.57	20.70
			MID	64QAM	19.41	19.92	19.56	20.70
	HIGH		64QAM	19.68	20.03	19.63	20.70	
	25	LOW	64QAM	18.89	18.63	18.64	19.70	
		MID	64QAM	18.62	18.70	18.87	19.70	
		HIGH	64QAM	18.85	18.67	18.68	19.70	
	50	LOW	64QAM	18.64	18.65	18.76	19.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	21.62	21.55	21.61	22.70
MID			QPSK	21.48	21.57	21.55	22.70	
HIGH			QPSK	21.56	21.58	21.45	22.70	
36		LOW	QPSK	20.56	20.72	20.67	21.70	
		MID	QPSK	20.65	20.68	20.74	21.70	
		HIGH	QPSK	20.73	20.72	20.70	21.70	
75	LOW	QPSK	20.67	20.69	20.69	21.70		
15	1	LOW	Q16	20.53	21.04	21.10	21.70	
		MID	Q16	20.48	21.02	21.01	21.70	
		HIGH	Q16	20.44	21.07	20.86	21.70	
	36	LOW	Q16	19.62	19.76	19.71	20.70	
		MID	Q16	19.68	19.73	19.76	20.70	
		HIGH	Q16	19.59	19.80	19.71	20.70	
75	LOW	Q16	19.65	19.70	19.68	20.70		
15	1	LOW	64QAM	19.38	20.19	20.08	20.70	
		MID	64QAM	19.38	20.15	20.03	20.70	
		HIGH	64QAM	19.34	20.16	19.99	20.70	
	36	LOW	64QAM	18.66	18.80	18.63	19.70	
		MID	64QAM	18.64	18.72	18.88	19.70	
		HIGH	64QAM	18.56	18.89	18.80	19.70	
75	LOW	64QAM	18.75	18.83	18.60	19.70		

## 8.6.10 LTE Band26 (Ant.1) Output Power

LTE B26-State17 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.51	<b>22.72</b>	22.35	24.00	
		MID	QPSK	22.23	22.08	22.15	24.00	
		HIGH	QPSK	22.29	22.44	22.18	24.00	
	3	LOW	QPSK	22.21	22.63	22.23	24.00	
		MID	QPSK	22.14	22.11	22.19	24.00	
		HIGH	QPSK	22.12	22.49	22.43	24.00	
	6	LOW	QPSK	21.26	21.32	21.22	23.00	
	1.4	1	LOW	Q16	21.32	21.26	21.51	23.00
			MID	Q16	21.35	21.65	21.69	23.00
HIGH			Q16	21.30	21.35	21.32	23.00	
3		LOW	Q16	21.56	21.54	21.45	23.00	
		MID	Q16	21.45	21.41	21.30	23.00	
		HIGH	Q16	21.46	21.10	21.18	23.00	
6		LOW	Q16	20.48	20.03	20.27	22.00	
1.4		1	LOW	64QAM	20.27	20.47	20.45	22.00
			MID	64QAM	20.47	20.42	20.56	22.00
	HIGH		64QAM	20.37	20.47	20.18	22.00	
	3	LOW	64QAM	20.49	20.54	20.54	22.00	
		MID	64QAM	20.12	20.73	20.73	22.00	
		HIGH	64QAM	20.36	20.15	20.26	22.00	
	6	LOW	64QAM	19.18	19.15	19.24	21.00	
	Bandwidth	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	22.39	<b>22.83</b>	22.32	24.00
MID			QPSK	22.07	22.07	22.00	24.00	
HIGH			QPSK	22.22	22.71	22.34	24.00	
8		LOW	QPSK	21.05	21.17	21.01	23.00	
		MID	QPSK	21.71	21.59	21.35	23.00	
		HIGH	QPSK	21.58	21.45	21.03	23.00	
15		LOW	QPSK	21.33	21.13	21.13	23.00	
3		1	LOW	Q16	21.60	21.62	21.53	23.00
			MID	Q16	21.07	21.69	21.80	23.00
	HIGH		Q16	21.26	21.29	21.28	23.00	
	8	LOW	Q16	20.24	20.11	20.39	22.00	
		MID	Q16	20.46	20.40	20.28	22.00	
		HIGH	Q16	20.62	20.37	20.16	22.00	
	15	LOW	Q16	20.52	20.37	20.25	22.00	
	3	1	LOW	64QAM	20.25	20.36	20.24	22.00
			MID	64QAM	20.44	20.48	20.76	22.00
HIGH			64QAM	20.24	20.31	20.19	22.00	
8		LOW	64QAM	20.18	20.23	20.38	22.00	
		MID	64QAM	20.46	20.33	20.64	22.00	
		HIGH	64QAM	20.21	20.41	20.20	22.00	
15		LOW	64QAM	19.61	19.00	19.03	21.00	
Bandwidth		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	22.41	<b>22.77</b>	22.26	24.00
	MID		QPSK	22.05	22.06	22.05	24.00	
	HIGH		QPSK	22.15	22.68	22.55	24.00	
	12	LOW	QPSK	21.19	21.19	21.00	23.00	
		MID	QPSK	21.50	21.13	21.33	23.00	
		HIGH	QPSK	21.70	21.27	21.31	23.00	
	25	LOW	QPSK	21.30	21.05	21.29	23.00	
	5	1	LOW	Q16	21.61	21.42	21.58	23.00
			MID	Q16	21.02	21.73	21.60	23.00
HIGH			Q16	21.24	21.53	21.45	23.00	
12		LOW	Q16	20.24	20.02	20.28	22.00	
		MID	Q16	20.21	20.33	20.34	22.00	
		HIGH	Q16	20.64	20.50	20.22	22.00	
25		LOW	Q16	20.54	20.42	20.29	22.00	
5		1	LOW	64QAM	20.25	20.35	20.36	22.00
			MID	64QAM	20.46	20.47	20.61	22.00
	HIGH		64QAM	20.25	20.41	20.04	22.00	
	12	LOW	64QAM	19.32	19.04	19.21	21.00	
		MID	64QAM	19.48	19.38	19.35	21.00	
		HIGH	64QAM	19.14	19.22	19.13	21.00	
	25	LOW	64QAM	19.58	19.07	19.09	21.00	



Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	22.31	<b>22.71</b>	22.31	24.00	
		MID	QPSK	22.12	22.16	22.11	24.00	
		HIGH	QPSK	22.13	22.58	22.40	24.00	
	25	LOW	QPSK	21.12	21.31	21.11	23.00	
		MID	QPSK	21.62	21.11	21.30	23.00	
		HIGH	QPSK	21.60	21.30	21.16	23.00	
	50	LOW	QPSK	21.44	21.20	21.15	23.00	
	10	1	LOW	Q16	21.59	21.48	21.49	23.00
			MID	Q16	21.14	21.69	21.65	23.00
HIGH			Q16	21.26	21.38	21.42	23.00	
25		LOW	Q16	20.29	20.14	20.32	22.00	
		MID	Q16	20.31	20.36	20.43	22.00	
		HIGH	Q16	20.66	20.39	20.15	22.00	
50		LOW	Q16	20.50	20.06	20.32	22.00	
10		1	LOW	64QAM	20.16	20.34	20.36	22.00
			MID	64QAM	20.53	20.47	20.71	22.00
	HIGH		64QAM	20.13	20.43	20.12	22.00	
	25	LOW	64QAM	19.39	19.19	19.08	21.00	
		MID	64QAM	19.57	19.02	19.34	21.00	
		HIGH	64QAM	19.18	19.10	19.15	21.00	
	50	LOW	64QAM	19.47	19.07	19.07	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	22.36	<b>22.58</b>	22.46	24.00
MID			QPSK	22.09	22.11	22.04	24.00	
HIGH			QPSK	22.25	22.44	22.29	24.00	
36		LOW	QPSK	21.24	21.24	21.17	23.00	
		MID	QPSK	21.20	21.09	21.53	23.00	
		HIGH	QPSK	21.46	21.42	21.06	23.00	
75		LOW	QPSK	21.29	21.19	21.11	23.00	
15		1	LOW	Q16	21.44	21.38	21.56	23.00
			MID	Q16	21.27	21.60	21.62	23.00
	HIGH		Q16	21.21	21.33	21.07	23.00	
	36	LOW	Q16	20.40	20.19	20.20	22.00	
		MID	Q16	20.45	20.08	20.31	22.00	
		HIGH	Q16	20.51	20.32	20.04	22.00	
	75	LOW	Q16	20.38	20.05	20.17	22.00	
	15	1	LOW	64QAM	20.26	20.39	20.43	22.00
			MID	64QAM	20.50	20.36	20.57	22.00
HIGH			64QAM	20.28	20.45	20.06	22.00	
36		LOW	64QAM	19.54	19.13	19.22	21.00	
		MID	64QAM	19.52	19.10	19.09	21.00	
		HIGH	64QAM	19.26	19.21	19.18	21.00	
75		LOW	64QAM	19.32	19.18	19.16	21.00	

LTE B26-State18 -Ant.1								
Bandwidth	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.51	<b>22.72</b>	22.35	24.00	
		MID	QPSK	22.23	22.08	22.15	24.00	
		HIGH	QPSK	22.29	22.44	22.18	24.00	
	3	LOW	QPSK	22.21	22.63	22.23	24.00	
		MID	QPSK	22.14	22.11	22.19	24.00	
		HIGH	QPSK	22.12	22.49	22.43	24.00	
	6	LOW	QPSK	21.26	21.32	21.22	23.00	
	1.4	1	LOW	Q16	21.32	21.26	21.51	23.00
			MID	Q16	21.35	21.65	21.69	23.00
HIGH			Q16	21.30	21.35	21.32	23.00	
3		LOW	Q16	21.56	21.54	21.45	23.00	
		MID	Q16	21.45	21.41	21.30	23.00	
		HIGH	Q16	21.46	21.10	21.18	23.00	
6		LOW	Q16	20.48	20.03	20.27	22.00	
1.4		1	LOW	64QAM	20.27	20.47	20.45	22.00
			MID	64QAM	20.47	20.42	20.56	22.00
	HIGH		64QAM	20.37	20.47	20.18	22.00	
	3	LOW	64QAM	20.49	20.54	20.54	22.00	
		MID	64QAM	20.12	20.73	20.73	22.00	
		HIGH	64QAM	20.36	20.15	20.26	22.00	
	6	LOW	64QAM	19.18	19.15	19.24	21.00	
	Bandwidth	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	22.39	<b>22.83</b>	22.32	24.00
MID			QPSK	22.07	22.07	22.00	24.00	
HIGH			QPSK	22.22	22.71	22.34	24.00	
8		LOW	QPSK	21.05	21.17	21.01	23.00	
		MID	QPSK	21.71	21.59	21.35	23.00	
		HIGH	QPSK	21.58	21.45	21.03	23.00	
15		LOW	QPSK	21.33	21.13	21.13	23.00	
3		1	LOW	Q16	21.60	21.62	21.53	23.00
			MID	Q16	21.07	21.69	21.80	23.00
	HIGH		Q16	21.26	21.29	21.28	23.00	
	8	LOW	Q16	20.24	20.11	20.39	22.00	
		MID	Q16	20.46	20.40	20.28	22.00	
		HIGH	Q16	20.62	20.37	20.16	22.00	
	15	LOW	Q16	20.52	20.37	20.25	22.00	
	3	1	LOW	64QAM	20.25	20.36	20.24	22.00
			MID	64QAM	20.44	20.48	20.76	22.00
HIGH			64QAM	20.24	20.31	20.19	22.00	
8		LOW	64QAM	20.18	20.23	20.38	22.00	
		MID	64QAM	20.46	20.33	20.64	22.00	
		HIGH	64QAM	20.21	20.41	20.20	22.00	
15		LOW	64QAM	19.61	19.00	19.03	21.00	
Bandwidth		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	22.41	<b>22.77</b>	22.26	24.00
	MID		QPSK	22.05	22.06	22.05	24.00	
	HIGH		QPSK	22.15	22.68	22.55	24.00	
	12	LOW	QPSK	21.19	21.19	21.00	23.00	
		MID	QPSK	21.50	21.13	21.33	23.00	
		HIGH	QPSK	21.70	21.27	21.31	23.00	
	25	LOW	QPSK	21.30	21.05	21.29	23.00	
	5	1	LOW	Q16	21.61	21.42	21.58	23.00
			MID	Q16	21.02	21.73	21.60	23.00
HIGH			Q16	21.24	21.53	21.45	23.00	
12		LOW	Q16	20.24	20.02	20.28	22.00	
		MID	Q16	20.21	20.33	20.34	22.00	
		HIGH	Q16	20.64	20.50	20.22	22.00	
25		LOW	Q16	20.54	20.42	20.29	22.00	
5		1	LOW	64QAM	20.25	20.35	20.36	22.00
			MID	64QAM	20.46	20.47	20.61	22.00
	HIGH		64QAM	20.25	20.41	20.04	22.00	
	12	LOW	64QAM	19.32	19.04	19.21	21.00	
		MID	64QAM	19.48	19.38	19.35	21.00	
		HIGH	64QAM	19.14	19.22	19.13	21.00	
	25	LOW	64QAM	19.58	19.07	19.09	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	22.31	<b>22.71</b>	22.31	24.00	
		MID	QPSK	22.12	22.16	22.11	24.00	
		HIGH	QPSK	22.13	22.58	22.40	24.00	
	25	LOW	QPSK	21.12	21.31	21.11	23.00	
		MID	QPSK	21.62	21.11	21.30	23.00	
		HIGH	QPSK	21.60	21.30	21.16	23.00	
	50	LOW	QPSK	21.44	21.20	21.15	23.00	
	10	1	LOW	Q16	21.59	21.48	21.49	23.00
			MID	Q16	21.14	21.69	21.65	23.00
HIGH			Q16	21.26	21.38	21.42	23.00	
25		LOW	Q16	20.29	20.14	20.32	22.00	
		MID	Q16	20.31	20.36	20.43	22.00	
		HIGH	Q16	20.66	20.39	20.15	22.00	
50		LOW	Q16	20.50	20.06	20.32	22.00	
10		1	LOW	64QAM	20.16	20.34	20.36	22.00
			MID	64QAM	20.53	20.47	20.71	22.00
	HIGH		64QAM	20.13	20.43	20.12	22.00	
	25	LOW	64QAM	19.39	19.19	19.08	21.00	
		MID	64QAM	19.57	19.02	19.34	21.00	
		HIGH	64QAM	19.18	19.10	19.15	21.00	
	50	LOW	64QAM	19.47	19.07	19.07	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	22.36	<b>22.58</b>	22.46	24.00
MID			QPSK	22.09	22.11	22.04	24.00	
HIGH			QPSK	22.25	22.44	22.29	24.00	
36		LOW	QPSK	21.24	21.24	21.17	23.00	
		MID	QPSK	21.20	21.09	21.53	23.00	
		HIGH	QPSK	21.46	21.42	21.06	23.00	
75		LOW	QPSK	21.29	21.19	21.11	23.00	
15		1	LOW	Q16	21.44	21.38	21.56	23.00
			MID	Q16	21.27	21.60	21.62	23.00
	HIGH		Q16	21.21	21.33	21.07	23.00	
	36	LOW	Q16	20.40	20.19	20.20	22.00	
		MID	Q16	20.45	20.08	20.31	22.00	
		HIGH	Q16	20.51	20.32	20.04	22.00	
	75	LOW	Q16	20.38	20.05	20.17	22.00	
	15	1	LOW	64QAM	20.26	20.39	20.43	22.00
			MID	64QAM	20.50	20.36	20.57	22.00
HIGH			64QAM	20.28	20.45	20.06	22.00	
36		LOW	64QAM	19.54	19.13	19.22	21.00	
		MID	64QAM	19.52	19.10	19.09	21.00	
		HIGH	64QAM	19.26	19.21	19.18	21.00	
75		LOW	64QAM	19.32	19.18	19.16	21.00	

## 8.6.11 LTE Band66 (Ant.4) Output Power

LTE B66-State17 -Ant.4

Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.24	<b>21.45</b>	21.10	21.50	
		MID	QPSK	20.95	21.09	21.15	21.50	
		HIGH	QPSK	21.06	21.02	21.16	21.50	
	3	LOW	QPSK	20.84	21.30	20.97	21.50	
		MID	QPSK	21.14	21.29	21.28	21.50	
		HIGH	QPSK	20.92	21.13	21.18	21.50	
6	LOW	QPSK	21.11	21.29	21.41	21.50		
1.4	1	LOW	Q16	21.29	20.83	21.09	21.50	
		MID	Q16	21.28	20.80	21.08	21.50	
		HIGH	Q16	21.32	21.08	20.86	21.50	
	3	LOW	Q16	21.33	21.42	21.22	21.50	
		MID	Q16	21.15	21.01	21.21	21.50	
		HIGH	Q16	21.06	21.13	20.95	21.50	
	6	LOW	Q16	21.30	21.19	21.24	21.50	
	1.4	1	LOW	64QAM	21.39	21.19	21.11	21.50
			MID	64QAM	21.16	20.85	21.18	21.50
HIGH			64QAM	21.28	21.15	21.10	21.50	
3		LOW	64QAM	20.47	20.30	20.09	20.50	
		MID	64QAM	19.92	19.90	20.06	20.50	
		HIGH	64QAM	20.12	19.78	20.07	20.50	
6	LOW	64QAM	20.25	20.20	20.40	20.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)	
3	1	LOW	QPSK	21.16	21.43	21.11	21.50	
		MID	QPSK	21.08	21.10	21.08	21.50	
		HIGH	QPSK	20.91	20.95	21.05	21.50	
	8	LOW	QPSK	20.91	21.34	21.04	21.50	
		MID	QPSK	21.04	21.08	21.10	21.50	
		HIGH	QPSK	21.00	21.16	21.10	21.50	
15	LOW	QPSK	21.36	21.08	21.34	21.50		
3	1	LOW	Q16	21.08	20.76	21.07	21.50	
		MID	Q16	21.30	20.77	21.00	21.50	
		HIGH	Q16	21.38	20.93	20.89	21.50	
	8	LOW	Q16	<b>21.47</b>	21.43	21.22	21.50	
		MID	Q16	21.33	21.13	21.38	21.50	
		HIGH	Q16	21.07	21.13	20.91	21.50	
15	LOW	Q16	21.38	21.05	21.21	21.50		
3	1	LOW	64QAM	21.24	21.18	21.29	21.50	
		MID	64QAM	21.07	21.03	21.15	21.50	
		HIGH	64QAM	21.23	21.06	21.05	21.50	
	8	LOW	64QAM	20.20	20.03	20.38	20.50	
		MID	64QAM	19.77	19.90	20.15	20.50	
		HIGH	64QAM	19.84	19.88	20.00	20.50	
15	LOW	64QAM	20.05	20.02	20.25	20.50		

Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	21.23	21.23	21.26	21.50
		MID	QPSK	21.04	21.16	20.92	21.50
		HIGH	QPSK	21.17	21.19	21.10	21.50
	12	LOW	QPSK	21.02	21.10	21.03	21.50
		MID	QPSK	21.25	21.25	21.38	21.50
		HIGH	QPSK	20.94	21.01	21.06	21.50
25	LOW	QPSK	21.23	21.20	<b>21.46</b>	21.50	
5	1	LOW	Q16	21.06	20.86	21.06	21.50
		MID	Q16	21.26	20.97	21.05	21.50
		HIGH	Q16	21.39	21.19	21.14	21.50
	12	LOW	Q16	21.28	21.34	21.13	21.50
		MID	Q16	21.13	21.22	21.36	21.50
		HIGH	Q16	21.27	21.23	21.15	21.50
25	LOW	Q16	21.37	21.11	21.19	21.50	
5	1	LOW	64QAM	21.20	21.22	21.14	21.50
		MID	64QAM	20.99	20.82	21.20	21.50
		HIGH	64QAM	21.05	21.14	21.19	21.50
	12	LOW	64QAM	20.25	20.27	20.22	20.50
		MID	64QAM	20.06	20.03	19.98	20.50
		HIGH	64QAM	20.00	19.77	20.06	20.50
25	LOW	64QAM	20.22	19.97	20.38	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	21.30	<b>21.49</b>	21.24	21.50
		MID	QPSK	20.88	21.14	21.16	21.50
		HIGH	QPSK	20.92	21.10	21.15	21.50
	25	LOW	QPSK	21.06	21.27	20.97	21.50
		MID	QPSK	21.03	21.32	21.19	21.50
		HIGH	QPSK	20.99	21.23	21.14	21.50
50	LOW	QPSK	21.14	21.17	21.43	21.50	
10	1	LOW	Q16	21.23	20.72	21.08	21.50
		MID	Q16	21.13	20.90	20.84	21.50
		HIGH	Q16	21.43	21.17	20.99	21.50
	25	LOW	Q16	<b>21.49</b>	21.44	21.10	21.50
		MID	Q16	21.32	20.98	21.27	21.50
		HIGH	Q16	21.02	21.23	21.02	21.50
50	LOW	Q16	21.36	21.14	21.38	21.50	
10	1	LOW	64QAM	21.22	21.31	21.09	21.50
		MID	64QAM	21.03	20.85	21.19	21.50
		HIGH	64QAM	21.01	21.13	21.10	21.50
	25	LOW	64QAM	20.30	20.14	20.23	20.50
		MID	64QAM	19.91	19.81	19.89	20.50
		HIGH	64QAM	20.00	19.76	19.97	20.50
50	LOW	64QAM	20.09	19.93	20.26	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	21.10	<b>21.50</b>	21.23	21.50
		MID	QPSK	21.12	21.17	21.20	21.50
		HIGH	QPSK	21.14	21.17	21.04	21.50
	36	LOW	QPSK	20.84	21.31	20.82	21.50
		MID	QPSK	21.18	21.04	21.37	21.50
		HIGH	QPSK	21.00	20.97	21.24	21.50
75	LOW	QPSK	21.29	21.23	21.26	21.50	
15	1	LOW	Q16	21.28	20.83	21.30	21.50
		MID	Q16	21.09	20.74	20.80	21.50
		HIGH	Q16	21.22	21.05	20.86	21.50
	36	LOW	Q16	21.25	21.21	21.03	21.50
		MID	Q16	21.37	21.09	21.14	21.50
		HIGH	Q16	21.03	21.39	21.16	21.50
75	LOW	Q16	21.34	21.21	21.35	21.50	
15	1	LOW	64QAM	21.43	21.36	21.16	21.50
		MID	64QAM	21.25	20.85	21.25	21.50
		HIGH	64QAM	21.25	21.06	20.98	21.50
	36	LOW	64QAM	20.41	20.27	20.11	20.50
		MID	64QAM	19.86	19.86	20.10	20.50
		HIGH	64QAM	20.05	19.75	19.89	20.50
75	LOW	64QAM	20.06	20.20	20.39	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	21.15	21.27	21.19	21.50
		MID	QPSK	20.95	21.17	21.13	21.50
		HIGH	QPSK	20.99	21.11	20.95	21.50
	50	LOW	QPSK	20.93	21.11	20.82	21.50
		MID	QPSK	21.10	21.18	21.16	21.50
		HIGH	QPSK	21.18	21.22	21.10	21.50
100	LOW	QPSK	21.25	21.24	21.30	21.50	
20	1	LOW	Q16	20.99	21.19	21.22	21.50
		MID	Q16	21.12	21.03	21.12	21.50
		HIGH	Q16	21.08	21.03	21.22	21.50
	50	LOW	Q16	21.18	21.21	21.22	21.50
		MID	Q16	21.25	21.06	21.25	21.50
		HIGH	Q16	21.06	21.14	21.02	21.50
100	LOW	Q16	21.26	21.15	21.25	21.50	
20	1	LOW	64QAM	21.11	<b>21.33</b>	21.18	21.50
		MID	64QAM	21.12	21.08	<b>21.33</b>	21.50
		HIGH	64QAM	21.11	21.32	21.09	21.50
	50	LOW	64QAM	20.31	20.17	20.22	20.50
		MID	64QAM	19.93	20.14	19.90	20.50
		HIGH	64QAM	19.83	19.89	19.99	20.50
100	LOW	64QAM	20.22	20.17	20.15	20.50	

## LTE B66-State18 -Ant.4

Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.16	<b>23.37</b>	23.23	23.50
		MID	QPSK	22.99	23.11	23.07	23.50
		HIGH	QPSK	23.02	23.04	23.09	23.50
	3	LOW	QPSK	21.98	22.24	21.93	22.50
		MID	QPSK	22.17	22.18	22.25	22.50
		HIGH	QPSK	22.04	22.10	22.19	22.50
6	LOW	QPSK	22.25	22.14	22.37	22.50	
1.4	1	LOW	Q16	22.21	21.78	22.19	22.50
		MID	Q16	22.16	21.87	21.95	22.50
		HIGH	Q16	22.30	22.06	22.00	22.50
	3	LOW	Q16	21.40	21.31	21.16	21.50
		MID	Q16	21.26	21.07	21.26	21.50
		HIGH	Q16	21.14	21.26	21.02	21.50
6	LOW	Q16	21.24	21.06	21.31	21.50	
1.4	1	LOW	64QAM	21.29	21.30	21.16	21.50
		MID	64QAM	21.10	20.96	21.23	21.50
		HIGH	64QAM	21.15	21.14	21.11	21.50
	3	LOW	64QAM	20.32	20.17	20.24	20.50
		MID	64QAM	19.91	19.90	20.01	20.50
		HIGH	64QAM	19.97	19.77	19.97	20.50
6	LOW	64QAM	20.16	20.05	20.35	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	23.15	23.23	<b>23.25</b>	23.50
		MID	QPSK	23.02	23.17	22.98	23.50
		HIGH	QPSK	23.00	23.08	23.10	23.50
	8	LOW	QPSK	21.83	22.27	22.11	22.50
		MID	QPSK	22.00	22.19	22.30	22.50
		HIGH	QPSK	22.07	22.03	22.37	22.50
15	LOW	QPSK	22.38	22.41	22.26	22.50	
3	1	LOW	Q16	22.11	21.97	22.06	22.50
		MID	Q16	22.03	22.05	22.16	22.50
		HIGH	Q16	22.04	22.03	22.12	22.50
	8	LOW	Q16	21.19	21.16	21.28	21.50
		MID	Q16	21.31	21.19	21.33	21.50
		HIGH	Q16	20.88	21.23	20.93	21.50
15	LOW	Q16	21.24	21.18	21.10	21.50	
3	1	LOW	64QAM	21.28	21.27	21.19	21.50
		MID	64QAM	21.24	20.93	21.14	21.50
		HIGH	64QAM	21.04	21.16	21.20	21.50
	8	LOW	64QAM	20.32	20.29	20.24	20.50
		MID	64QAM	19.82	20.05	20.06	20.50
		HIGH	64QAM	19.85	19.80	20.12	20.50
15	LOW	64QAM	20.10	19.97	20.21	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)	
5	1	LOW	QPSK	<b>23.42</b>	23.18	23.35	23.50	
		MID	QPSK	23.00	23.18	22.97	23.50	
		HIGH	QPSK	22.94	23.11	22.93	23.50	
	12	LOW	QPSK	21.92	22.29	22.06	22.50	
		MID	QPSK	22.20	22.12	22.13	22.50	
		HIGH	QPSK	22.15	22.20	22.12	22.50	
25	LOW	QPSK	22.27	22.15	22.19	22.50		
5	1	LOW	Q16	22.03	22.00	22.18	22.50	
		MID	Q16	22.23	21.98	22.06	22.50	
		HIGH	Q16	22.30	22.24	22.10	22.50	
	12	LOW	Q16	21.30	21.29	21.26	21.50	
		MID	Q16	21.13	20.99	21.35	21.50	
		HIGH	Q16	20.96	21.11	20.98	21.50	
	25	LOW	Q16	21.05	21.27	21.13	21.50	
	5	1	LOW	64QAM	21.25	21.26	21.27	21.50
			MID	64QAM	21.01	21.00	21.10	21.50
HIGH			64QAM	21.22	21.11	21.04	21.50	
12		LOW	64QAM	20.16	20.14	20.32	20.50	
		MID	64QAM	19.99	20.09	20.09	20.50	
		HIGH	64QAM	20.09	19.76	20.08	20.50	
25	LOW	64QAM	20.28	20.01	20.40	20.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	<b>23.40</b>	23.33	23.06	23.50	
		MID	QPSK	22.99	23.10	23.22	23.50	
		HIGH	QPSK	22.85	23.22	22.90	23.50	
	25	LOW	QPSK	21.81	22.19	21.91	22.50	
		MID	QPSK	22.12	22.09	22.24	22.50	
		HIGH	QPSK	22.23	22.07	22.26	22.50	
50	LOW	QPSK	22.36	22.36	22.42	22.50		
10	1	LOW	Q16	22.19	21.77	21.95	22.50	
		MID	Q16	22.10	21.93	21.91	22.50	
		HIGH	Q16	22.12	21.97	22.09	22.50	
	25	LOW	Q16	21.28	21.06	21.21	21.50	
		MID	Q16	21.14	20.97	21.36	21.50	
		HIGH	Q16	20.89	21.13	20.87	21.50	
50	LOW	Q16	21.11	21.04	21.06	21.50		
10	1	LOW	64QAM	21.30	21.08	21.16	21.50	
		MID	64QAM	21.16	21.15	21.26	21.50	
		HIGH	64QAM	21.32	21.07	21.12	21.50	
	25	LOW	64QAM	20.24	20.21	20.06	20.50	
		MID	64QAM	19.93	20.05	19.94	20.50	
		HIGH	64QAM	19.93	19.86	20.11	20.50	
50	LOW	64QAM	20.04	19.93	20.19	20.50		



Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)	
15	1	LOW	QPSK	23.28	<b>23.36</b>	23.06	23.50	
		MID	QPSK	22.95	22.94	23.09	23.50	
		HIGH	QPSK	22.89	23.08	22.86	23.50	
	36	LOW	QPSK	22.02	22.20	21.94	22.50	
		MID	QPSK	22.04	22.20	22.32	22.50	
		HIGH	QPSK	22.13	22.01	22.21	22.50	
	75	LOW	QPSK	22.30	22.41	22.24	22.50	
	15	1	LOW	Q16	22.11	21.73	21.93	22.50
			MID	Q16	22.04	21.97	21.93	22.50
HIGH			Q16	22.24	22.16	22.15	22.50	
36		LOW	Q16	21.19	21.23	21.30	21.50	
		MID	Q16	21.13	21.00	21.42	21.50	
		HIGH	Q16	21.07	21.21	20.91	21.50	
75		LOW	Q16	21.26	21.19	21.11	21.50	
15		1	LOW	64QAM	21.04	21.27	21.09	21.50
			MID	64QAM	21.27	21.07	21.22	21.50
	HIGH		64QAM	21.08	21.34	21.10	21.50	
	36	LOW	64QAM	20.28	20.12	20.30	20.50	
		MID	64QAM	19.88	20.16	20.04	20.50	
		HIGH	64QAM	19.94	19.80	20.24	20.50	
	75	LOW	64QAM	20.04	19.98	20.29	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
	20	1	LOW	QPSK	23.26	<b>23.28</b>	23.21	23.50
MID			QPSK	23.09	23.09	23.11	23.50	
HIGH			QPSK	22.98	23.08	22.96	23.50	
50		LOW	QPSK	21.94	22.14	21.97	22.50	
		MID	QPSK	22.14	22.24	22.17	22.50	
		HIGH	QPSK	22.15	22.11	22.24	22.50	
100		LOW	QPSK	22.40	22.26	22.30	22.50	
20		1	LOW	Q16	22.13	21.87	22.07	22.50
			MID	Q16	22.15	22.01	22.06	22.50
	HIGH		Q16	22.17	22.10	22.15	22.50	
	50	LOW	Q16	21.25	21.21	21.30	21.50	
		MID	Q16	21.22	21.10	21.35	21.50	
		HIGH	Q16	21.02	21.13	20.98	21.50	
	100	LOW	Q16	21.11	21.18	21.18	21.50	
	20	1	LOW	64QAM	21.18	21.16	21.22	21.50
			MID	64QAM	21.12	21.08	21.21	21.50
HIGH			64QAM	21.18	21.22	21.11	21.50	
50		LOW	64QAM	20.21	20.24	20.20	20.50	
		MID	64QAM	19.88	20.02	19.94	20.50	
		HIGH	64QAM	19.96	19.89	20.11	20.50	
100		LOW	64QAM	20.14	20.04	20.27	20.50	

## 8.6.12 LTE Band66 (Ant.5) Output Power

LTE B66-State17 -Ant.4

Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	<b>22.21</b>	<b>22.21</b>	22.02	22.50	
		MID	QPSK	22.04	22.04	21.52	22.50	
		HIGH	QPSK	21.66	21.94	21.98	22.50	
	3	LOW	QPSK	20.73	20.71	20.75	21.50	
		MID	QPSK	21.02	21.12	20.83	21.50	
		HIGH	QPSK	20.94	21.07	20.97	21.50	
	6	LOW	QPSK	20.68	20.81	20.58	21.50	
	1.4	1	LOW	Q16	21.29	21.29	20.91	21.50
			MID	Q16	20.98	20.83	20.81	21.50
HIGH			Q16	21.03	21.16	21.13	21.50	
3		LOW	Q16	19.62	19.55	19.79	20.50	
		MID	Q16	19.98	19.88	19.89	20.50	
		HIGH	Q16	19.80	19.86	19.79	20.50	
6		LOW	Q16	20.12	20.01	19.98	20.50	
1.4		1	LOW	64QAM	20.15	20.21	20.07	20.50
			MID	64QAM	19.63	19.69	19.97	20.50
	HIGH		64QAM	19.74	19.77	20.06	20.50	
	3	LOW	64QAM	18.32	18.43	18.81	19.50	
		MID	64QAM	18.97	18.68	18.82	19.50	
		HIGH	64QAM	18.71	18.87	18.90	19.50	
6	LOW	64QAM	18.64	18.60	18.96	19.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)	
3	1	LOW	QPSK	22.15	<b>22.25</b>	22.13	22.50	
		MID	QPSK	22.12	21.98	21.66	22.50	
		HIGH	QPSK	21.66	21.94	21.77	22.50	
	8	LOW	QPSK	20.71	20.78	20.68	21.50	
		MID	QPSK	20.94	21.02	20.64	21.50	
		HIGH	QPSK	21.03	20.99	20.98	21.50	
15	LOW	QPSK	20.77	20.89	20.80	21.50		
3	1	LOW	Q16	21.23	21.27	20.89	21.50	
		MID	Q16	20.86	20.91	20.99	21.50	
		HIGH	Q16	21.05	21.07	20.94	21.50	
	8	LOW	Q16	19.78	19.48	19.88	20.50	
		MID	Q16	19.80	19.95	19.98	20.50	
		HIGH	Q16	19.78	19.76	19.69	20.50	
15	LOW	Q16	19.92	20.14	19.82	20.50		
3	1	LOW	64QAM	20.24	20.10	20.04	20.50	
		MID	64QAM	19.69	19.82	20.05	20.50	
		HIGH	64QAM	19.84	19.98	20.00	20.50	
	8	LOW	64QAM	18.35	18.55	18.77	19.50	
		MID	64QAM	18.90	18.70	18.73	19.50	
		HIGH	64QAM	18.59	18.82	18.63	19.50	
15	LOW	64QAM	18.70	18.55	18.76	19.50		

Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)	
5	1	LOW	QPSK	<b>22.23</b>	22.11	22.16	22.50	
		MID	QPSK	22.08	21.98	21.79	22.50	
		HIGH	QPSK	21.84	21.89	21.75	22.50	
	12	LOW	QPSK	20.79	20.87	20.63	21.50	
		MID	QPSK	20.93	20.96	20.74	21.50	
		HIGH	QPSK	20.95	21.06	20.81	21.50	
	25	LOW	QPSK	20.94	20.63	20.63	21.50	
	5	1	LOW	Q16	21.25	21.28	20.74	21.50
			MID	Q16	20.99	20.80	20.86	21.50
HIGH			Q16	20.97	21.12	21.12	21.50	
12		LOW	Q16	19.75	19.47	19.92	20.50	
		MID	Q16	19.93	19.90	19.82	20.50	
		HIGH	Q16	19.81	19.68	19.86	20.50	
25		LOW	Q16	19.89	20.15	19.85	20.50	
5		1	LOW	64QAM	20.02	19.97	19.89	20.50
			MID	64QAM	19.57	19.86	20.10	20.50
	HIGH		64QAM	19.86	19.80	20.10	20.50	
	12	LOW	64QAM	18.56	18.48	18.85	19.50	
		MID	64QAM	18.83	18.68	18.87	19.50	
		HIGH	64QAM	18.80	18.70	18.80	19.50	
	25	LOW	64QAM	18.45	18.50	18.85	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
	10	1	LOW	QPSK	<b>22.24</b>	22.17	22.10	22.50
MID			QPSK	22.02	21.99	21.64	22.50	
HIGH			QPSK	21.95	21.88	21.76	22.50	
25		LOW	QPSK	20.82	20.69	20.63	21.50	
		MID	QPSK	20.91	21.03	20.67	21.50	
		HIGH	QPSK	20.96	21.03	20.81	21.50	
50		LOW	QPSK	20.79	20.83	20.61	21.50	
10		1	LOW	Q16	21.14	21.22	20.79	21.50
			MID	Q16	21.00	21.04	20.95	21.50
	HIGH		Q16	20.96	21.28	20.93	21.50	
	25	LOW	Q16	19.65	19.58	20.00	20.50	
		MID	Q16	19.83	19.94	19.78	20.50	
		HIGH	Q16	19.83	19.67	19.62	20.50	
	50	LOW	Q16	19.93	20.17	19.78	20.50	
	10	1	LOW	64QAM	20.22	20.16	19.82	20.50
			MID	64QAM	19.79	19.75	20.16	20.50
HIGH			64QAM	19.97	19.88	19.93	20.50	
25		LOW	64QAM	18.54	18.55	18.97	19.50	
		MID	64QAM	18.76	18.66	18.80	19.50	
		HIGH	64QAM	18.75	18.63	18.62	19.50	
50		LOW	64QAM	18.47	18.71	18.88	19.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)	
15	1	LOW	QPSK	22.09	<b>22.13</b>	22.11	22.50	
		MID	QPSK	22.04	21.99	21.73	22.50	
		HIGH	QPSK	21.70	21.99	21.99	22.50	
	36	LOW	QPSK	20.76	20.75	20.61	21.50	
		MID	QPSK	20.91	20.93	20.65	21.50	
		HIGH	QPSK	20.97	21.05	21.04	21.50	
	75	LOW	QPSK	20.84	20.84	20.80	21.50	
	15	1	LOW	Q16	21.34	21.18	20.80	21.50
			MID	Q16	20.83	21.03	20.79	21.50
HIGH			Q16	21.00	21.22	21.22	21.50	
36		LOW	Q16	19.76	19.64	19.95	20.50	
		MID	Q16	19.81	19.69	19.96	20.50	
		HIGH	Q16	19.89	19.82	19.85	20.50	
75		LOW	Q16	20.02	20.01	19.81	20.50	
15		1	LOW	64QAM	20.13	20.18	20.05	20.50
			MID	64QAM	19.76	19.77	20.23	20.50
	HIGH		64QAM	19.84	19.88	20.13	20.50	
	36	LOW	64QAM	18.42	18.60	18.83	19.50	
		MID	64QAM	18.84	18.86	18.66	19.50	
		HIGH	64QAM	18.71	18.78	18.90	19.50	
	75	LOW	64QAM	18.46	18.61	18.94	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
	20	1	LOW	QPSK	22.12	<b>22.23</b>	22.11	22.50
MID			QPSK	22.05	22.06	21.67	22.50	
HIGH			QPSK	21.80	21.97	21.85	22.50	
50		LOW	QPSK	20.69	20.82	20.61	21.50	
		MID	QPSK	20.94	21.05	20.68	21.50	
		HIGH	QPSK	21.01	20.93	20.90	21.50	
100		LOW	QPSK	20.81	20.75	20.72	21.50	
20		1	LOW	Q16	21.20	21.30	20.84	21.50
			MID	Q16	20.87	20.95	20.87	21.50
	HIGH		Q16	21.00	21.15	21.08	21.50	
	50	LOW	Q16	19.74	19.60	19.85	20.50	
		MID	Q16	19.92	19.83	19.88	20.50	
		HIGH	Q16	19.82	19.72	19.71	20.50	
	100	LOW	Q16	19.97	20.06	19.93	20.50	
	20	1	LOW	64QAM	20.15	20.08	19.97	20.50
			MID	64QAM	19.71	19.74	20.10	20.50
HIGH			64QAM	19.84	19.83	19.98	20.50	
50		LOW	64QAM	18.43	18.46	18.86	19.50	
		MID	64QAM	18.88	18.78	18.81	19.50	
		HIGH	64QAM	18.68	18.73	18.77	19.50	
100		LOW	64QAM	18.56	18.65	18.88	19.50	

## LTE B66-State18 -Ant.4

Bandwidth (	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dB m)	
1.4	1	LOW	QPSK	16.12	16.24	16.15	16.50	
		MID	QPSK	15.93	16.11	15.57	16.50	
		HIGH	QPSK	15.84	16.10	15.91	16.50	
	3	LOW	QPSK	15.77	15.97	15.65	16.50	
		MID	QPSK	16.06	16.20	15.66	16.50	
		HIGH	QPSK	15.95	15.95	16.03	16.50	
	6	LOW	QPSK	15.76	15.90	15.71	16.50	
	1.4	1	LOW	Q16	16.18	<b>16.43</b>	15.89	16.50
			MID	Q16	15.87	16.02	16.01	16.50
HIGH			Q16	15.97	16.24	16.06	16.50	
3		LOW	Q16	15.63	15.67	15.91	16.50	
		MID	Q16	15.95	15.68	15.94	16.50	
		HIGH	Q16	15.85	15.64	15.85	16.50	
6		LOW	Q16	15.83	16.20	15.90	16.50	
1.4		1	LOW	64QAM	16.27	16.07	15.83	16.50
			MID	64QAM	15.78	15.73	16.24	16.50
	HIGH		64QAM	15.77	15.92	15.96	16.50	
	3	LOW	64QAM	15.33	15.60	15.96	16.50	
		MID	64QAM	16.00	15.75	15.82	16.50	
		HIGH	64QAM	15.54	15.61	15.80	16.50	
6	LOW	64QAM	15.60	15.68	16.03	16.50		
Bandwidth (	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dB m)	
3	1	LOW	QPSK	16.33	15.97	16.10	16.50	
		MID	QPSK	16.15	16.05	15.57	16.50	
		HIGH	QPSK	15.65	16.00	15.81	16.50	
	8	LOW	QPSK	15.74	15.73	15.63	16.50	
		MID	QPSK	15.83	16.10	15.69	16.50	
		HIGH	QPSK	16.02	15.79	16.01	16.50	
15	LOW	QPSK	15.94	15.74	15.70	16.50		
3	1	LOW	Q16	16.15	<b>16.35</b>	15.96	16.50	
		MID	Q16	15.75	15.90	15.72	16.50	
		HIGH	Q16	16.02	16.00	16.02	16.50	
	8	LOW	Q16	15.64	15.73	15.84	16.50	
		MID	Q16	15.87	15.95	15.99	16.50	
		HIGH	Q16	15.91	15.72	15.83	16.50	
15	LOW	Q16	15.92	15.97	15.83	16.50		
3	1	LOW	64QAM	16.12	16.23	15.93	16.50	
		MID	64QAM	15.74	15.65	16.22	16.50	
		HIGH	64QAM	15.70	15.93	16.12	16.50	
	8	LOW	64QAM	15.46	15.37	15.74	16.50	
		MID	64QAM	15.97	15.78	15.81	16.50	
		HIGH	64QAM	15.55	15.63	15.92	16.50	
15	LOW	64QAM	15.61	15.59	15.76	16.50		

Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)	
5	1	LOW	QPSK	<b>16.30</b>	16.10	16.23	16.50	
		MID	QPSK	16.09	16.19	15.70	16.50	
		HIGH	QPSK	15.81	16.01	15.90	16.50	
	12	LOW	QPSK	15.72	15.89	15.63	16.50	
		MID	QPSK	16.06	15.94	15.55	16.50	
		HIGH	QPSK	15.91	16.03	15.79	16.50	
	25	LOW	QPSK	15.91	15.81	15.72	16.50	
	5	1	LOW	Q16	16.17	16.29	15.69	16.50
			MID	Q16	15.85	16.03	15.97	16.50
HIGH			Q16	15.94	16.28	16.23	16.50	
12		LOW	Q16	15.77	15.52	15.72	16.50	
		MID	Q16	15.84	15.95	16.03	16.50	
		HIGH	Q16	15.96	15.61	15.80	16.50	
25		LOW	Q16	15.89	16.00	15.98	16.50	
5		1	LOW	64QAM	16.22	15.94	15.93	16.50
			MID	64QAM	15.80	15.85	16.04	16.50
	HIGH		64QAM	15.95	15.92	15.90	16.50	
	12	LOW	64QAM	15.28	15.54	15.83	16.50	
		MID	64QAM	15.75	15.71	15.82	16.50	
		HIGH	64QAM	15.83	15.77	15.86	16.50	
	25	LOW	64QAM	15.43	15.72	15.77	16.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
	10	1	LOW	QPSK	<b>16.37</b>	16.03	16.17	16.50
MID			QPSK	16.14	15.99	15.80	16.50	
HIGH			QPSK	15.88	16.03	15.70	16.50	
25		LOW	QPSK	15.78	15.76	15.47	16.50	
		MID	QPSK	15.81	15.99	15.80	16.50	
		HIGH	QPSK	16.03	16.08	16.05	16.50	
50		LOW	QPSK	15.74	15.86	15.84	16.50	
10		1	LOW	Q16	16.05	16.21	15.76	16.50
			MID	Q16	15.79	15.90	15.96	16.50
	HIGH		Q16	15.86	16.05	15.93	16.50	
	25	LOW	Q16	15.89	15.71	15.70	16.50	
		MID	Q16	15.84	15.76	15.98	16.50	
		HIGH	Q16	15.75	15.85	15.64	16.50	
	50	LOW	Q16	15.85	16.12	15.83	16.50	
	10	1	LOW	64QAM	16.15	16.05	16.08	16.50
			MID	64QAM	15.66	15.83	15.98	16.50
HIGH			64QAM	15.80	15.79	15.90	16.50	
25		LOW	64QAM	15.37	15.50	15.78	16.50	
		MID	64QAM	15.77	15.89	15.94	16.50	
		HIGH	64QAM	15.67	15.58	15.87	16.50	
50		LOW	64QAM	15.44	15.58	15.87	16.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)	
15	1	LOW	QPSK	16.17	16.01	16.19	16.50	
		MID	QPSK	15.96	16.13	15.66	16.50	
		HIGH	QPSK	15.79	16.02	15.73	16.50	
	36	LOW	QPSK	15.57	15.69	15.74	16.50	
		MID	QPSK	16.07	16.15	15.55	16.50	
		HIGH	QPSK	16.15	15.96	15.88	16.50	
	75	LOW	QPSK	15.69	15.78	15.67	16.50	
	15	1	LOW	Q16	16.12	<b>16.43</b>	15.88	16.50
			MID	Q16	15.80	15.83	15.81	16.50
HIGH			Q16	15.88	16.17	16.12	16.50	
36		LOW	Q16	15.72	15.52	15.70	16.50	
		MID	Q16	16.05	15.83	15.96	16.50	
		HIGH	Q16	15.90	15.73	15.76	16.50	
75		LOW	Q16	16.08	16.13	15.87	16.50	
15		1	LOW	64QAM	16.12	15.93	15.95	16.50
			MID	64QAM	15.64	15.67	16.02	16.50
	HIGH		64QAM	15.91	15.70	15.86	16.50	
	36	LOW	64QAM	15.41	15.48	15.77	16.50	
		MID	64QAM	15.97	15.82	15.89	16.50	
		HIGH	64QAM	15.60	15.66	15.92	16.50	
	75	LOW	64QAM	15.52	15.54	16.02	16.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
	20	1	LOW	QPSK	16.12	16.30	16.15	16.50
MID			QPSK	15.90	16.01	15.61	16.50	
HIGH			QPSK	15.83	16.02	15.71	16.50	
50		LOW	QPSK	15.82	15.99	15.49	16.50	
		MID	QPSK	15.90	15.92	15.78	16.50	
		HIGH	QPSK	16.00	16.01	15.97	16.50	
100		LOW	QPSK	15.67	16.01	15.79	16.50	
20		1	LOW	Q16	16.28	16.06	15.92	16.50
			MID	Q16	15.87	15.84	15.74	16.50
	HIGH		Q16	16.15	16.25	16.20	16.50	
	50	LOW	Q16	15.71	15.63	15.70	16.50	
		MID	Q16	15.86	15.73	15.77	16.50	
		HIGH	Q16	15.76	15.83	15.69	16.50	
	100	LOW	Q16	16.05	16.10	15.85	16.50	
	20	1	LOW	64QAM	16.28	<b>16.32</b>	15.92	16.50
			MID	64QAM	15.73	15.66	16.23	16.50
HIGH			64QAM	15.76	15.70	15.86	16.50	
50		LOW	64QAM	15.56	15.47	16.01	16.50	
		MID	64QAM	15.74	15.77	15.93	16.50	
		HIGH	64QAM	15.56	15.82	15.73	16.50	
100		LOW	64QAM	15.54	15.65	15.91	16.50	

## 8.7 LTE Downlink Carrier Aggregation

LTE Carrier Aggregation (CA) was defined in 3GPP release 10 and higher. The LTE device in CA mode has one Primary Component Carrier (PCC) and one or more Secondary Component Carriers (SCC). PCC acts as the anchor carrier and can optionally cross-schedule data transmission on SCC. The RRC connection is only handled by one cell, the PCC for downlink and uplink communications. After making a data connection to the PCC, the LTE device adds the SCC on the downlink only. All uplink communications and acknowledgements remain identical to release 8 specifications on the PCC. The combinations of downlink carrier aggregation supported by this device are listed in below.

1. This device supports carrier aggregation on uplink and downlink for inter and intra band. For the device supports combination bands and configurations are according to 3GPP and the combinations list as below table.
2. All permutations exist. No restrictions on Pcell & Scell combinations. Only LTE Band 29 and band 46 is limited to Scell.

According to KDB 941225 D05A, the uplink maximum output power below was measured with downlink CA active on the channel with highest measured maximum output power when downlink CA is inactive. The downlink SCC channel was paired with the uplink channel as normal operation. For intra-band contiguous CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing per section 5.4.1A of 3GPP TS36.521. For intra-band non-contiguous CA, the downlink channel spacing between the component carriers was set to maximum separation from PCC and remain fully within the downlink transmission band. For Inter-band CA, the SCC downlink channel was set to near the middle of its transmission band.

LTE Downlink Carrier Aggregation 2CC State 17															
CA Combination	Antenna	PCC								SCC1				Power(dBm)	
		LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
7C	3	7	20M	21100	2535	1	49	3100	2655	7	20M	3298	2674.8	17.02	16.74
7B	3	7	15M	21100	2535	1	99	3100	2655	7	5M	3193	2664.3	17.03	16.91
38C	3	38	20M	38150	2610	1	0	38150	2610	38	20M	37952	2590.2	19.59	19.47
41C	3	41	20M	40620	2593	1	0	40620	2593	41	20M	40818	2612.8	20.71	20.46
2A-5A	3	2	20M	18900	1880	1	99	900	1960	5	10M	2525	881.5	20.04	19.99
4A-4A	3	4	20M	20050	1720	1	0	2050	2120	4	5M	2375	2152.5	19.10	18.99
4A-5A	3	4	20M	20050	1720	1	0	2050	2120	5	10M	2525	881.5	19.10	18.89
4A-7A	3	4	20M	20050	1720	1	0	2050	2120	7	20M	3100	2655	19.10	18.88
5A-7A	0	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	23.74	23.52
5A-38A	0	5	10M	20600	844	1	49	2600	889	8	10M	3500	930	23.74	23.51
5A-41A	0	5	10M	20600	844	1	49	2600	889	41	20M	40620	2593	23.74	23.47
5A-66A	0	5	10M	20600	844	1	49	2600	889	66	20M	66786	2145	23.74	23.67
7A-7A	3	7	20M	21100	2535	1	49	3100	2655	7	5M	2775	2622.5	17.02	16.92
7A-66A	3	7	20M	21100	2535	1	49	3100	2655	66	20M	66786	2145	17.02	16.89
12A-66A	0	12	10M	23130	711	1	0	5310	741	66	20M	66786	2145	23.81	23.51
26A-41A	0	26	10M	26765	821.5	1	0	8765	866.5	41	20M	40620	2593	22.62	22.36
41A-41A	3	41	20M	40620	2593	1	0	40620	2593	41	5M	39675	2498.5	20.71	20.46
66A-66A	3	66	20M	132072	1720	1	0	66536	2120	66	5M	67311	2197.5	18.58	18.29
7C	4	7	20M	21350	2560	1	0	3350	2680	7	20M	3152	2660.2	19.97	19.71
7B	4	7	15M	21375	2562.5	1	0	3375	2682.5	7	5M	3468	2691.8	20.09	20.01
38C	4	38	20M	37850	2580	1	0	37850	2580	38	20M	38048	2599.8	21.21	21.08
41C	4	41	20M	40620	2593	1	0	40620	2593	41	20M	40818	2612.8	20.71	21.62
2A-5A	4	2	20M	18900	1880	1	99	900	1960	5	10M	2525	881.5	21.02	20.89
4A-4A	4	4	20M	20050	1720	1	0	2050	2120	4	5M	2375	2152.5	21.27	21.15
4A-5A	4	4	20M	20050	1720	1	0	2050	2120	5	10M	2525	881.5	21.27	21.09
4A-7A	4	4	20M	20050	1720	1	0	2050	2120	7	20M	3100	2655	21.27	21.08
5A-7A	1	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	24.09	23.95
5A-38A	1	5	10M	20600	844	1	49	2600	889	8	10M	3500	930	24.09	24.02
5A-41A	1	5	10M	20600	844	1	49	2600	889	41	20M	40620	2593	24.09	23.99
5A-66A	1	5	10M	20600	844	1	49	2600	889	66	20M	66786	2145	24.09	23.93
7A-7A	4	7	20M	21350	2560	1	0	3350	2680	7	5M	2775	2622.5	19.97	19.81
7A-66A	4	7	20M	21350	2560	1	0	3100	2655	66	20M	66536	2120	19.97	19.82
12A-66A	1	12	10M	23130	711	1	0	5310	741	66	20M	66536	2120	23.88	23.71
26A-41A	1	26	10M	26865	831.5	1	0	8865	876.5	41	20M	40620	2593	22.58	22.42
41A-41A	4	41	20M	40620	2593	1	0	40620	2593	41	5M	39675	2498.5	22.32	22.20
66A-66A	4	66	20M	132072	1720	1	0	66536	2120	66	5M	67311	2197.5	21.71	21.55



LTE Downlink Carrier Aggregation 3CC State 17																				
CA Combination	Antenna	PCC								SCC1				SCC2				Power(dBm)		
		LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA	
41D	3	41	20M	40620	2593	1	49	40620	2593	41	20M	40818	2612.8	41	20M	41016	2632.6	20.71	20.65	
4A-7C	3	4	20M	20050	1720	1	0	2050	2120	7	20M	3100	2655	7	20M	3298	2674.8	19.10	18.85	
5A-7C	0	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	23.74	23.49	
41A-41C	3	41	20M	40620	2593	1	49	40620	2593	41	5M	39675	2498.5	41	5M	39873	2518.3	20.71	20.50	
5A-7A-7A	0	5	10M	20600	844	1	49	2600	889	7	20M	3350	2680	7	5M	2775	2622.5	23.74	23.69	
5A-7A-66A	0	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	66	20M	66786	2145	23.74	23.63	
5A-66A-66A	0	5	10M	20600	844	1	49	2600	889	66	20M	66536	2120	66	5M	67311	2197.5	23.74	23.64	
7A-66A-66A	3	7	20M	21350	2560	1	49	3350	2680	66	20M	66786	2145	66	5M	67311	2197.5	17.02	16.72	
7C-66A	3	7	20M	21100	2535	1	49	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	17.02	16.73	
26A-41C	0	26	10M	26765	821.5	1	0	8765	866.5	41	20M	40620	2593	41	20M	40818	2612.8	22.62	22.57	
41A-41A-41A	3	41	20M	40620	2593	1	49	40620	2593	41	5M	39675	2498.5	41	20M	40620	2593	20.71	20.48	
41D	4	4	41	20M	40620	2593	1	49	40620	2593	41	20M	40818	2612.8	41	20M	41016	2632.6	22.32	22.15
4A-7C	4	4	10M	20600	1720	1	0	2050	2120	7	20M	3100	2655	7	20M	3298	2674.8	21.27	21.11	
5A-7C	1	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	24.09	23.95	
41A-41C	4	41	20M	40620	2593	1	49	40620	2593	41	5M	39675	2498.5	41	5M	39873	2518.3	22.32	22.14	
5A-7A-7A	1	5	10M	20600	844	1	49	2600	889	7	20M	3350	2680	7	5M	2775	2622.5	24.09	23.94	
5A-7A-66A	1	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	66	20M	66786	2145	24.09	23.92	
5A-66A-66A	1	5	10M	20600	844	1	49	2600	889	66	20M	66536	2120	66	5M	67311	2197.5	24.09	23.91	
7A-66A-66A	4	7	20M	21350	2560	1	49	3350	2680	66	20M	66786	2145	66	5M	67311	2197.5	19.97	19.85	
7C-66A	4	7	20M	21350	2560	1	49	3350	2680	7	20M	3548	2699.8	66	20M	66786	2145	19.97	19.81	
26A-41C	1	26	10M	26865	831.5	1	0	8865	876.5	41	20M	40620	2593	41	20M	40818	2612.8	22.58	22.44	
41A-41A-41A	4	41	20M	40620	2593	1	49	40620	2593	41	5M	39675	2498.5	41	5M	41565	2687.5	22.32	22.24	

LTE Downlink Carrier Aggregation 4CC State 17																							
CA Combination	Antenna	PCC								SCC1				SCC2				SCC3				Power(dBm)	
		LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA
5A-7A-66A-66A	0	5	10M	20600	844	1	49	2600	889	7	20M	3350	2680	66	20M	66786	2145	66	5M	67311	2197.5	23.74	23.61
5A-7C-66A	0	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	23.74	23.60
7C-66A-66A	3	7	20M	21100	2535	1	49	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	66	5M	67311	2197.5	17.02	16.85
5A-7A-66A-66A	1	5	10M	20600	844	1	49	2600	889	7	20M	3350	2680	66	20M	66786	2145	66	5M	67311	2197.5	24.09	23.91
5A-7C-66A	1	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	24.09	23.90
7C-66A-66A	4	7	20M	21350	2560	1	49	3350	2680	7	20M	3548	2699.8	66	5M	67311	2197.5	66	5M	67311	2197.5	19.97	19.86

LTE Downlink Carrier Aggregation 5CC State 17																											
CA Combination	Antenna	PCC								SCC1				SCC2				SCC3				SCC4				Power(dBm)	
		LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA
5A-7C-66A-66A	0	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	66	5M	67311	2197.5	23.74	23.58
5A-7C-66A-66A	1	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	66	5M	67311	2197.5	24.09	23.88

LTE Downlink Carrier Aggregation 2CC State 17															
CA Combination	Antenna	PCC								SCC1				Power(dBm)	
		LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL	DL Freq. (MHz)	Single C	Tx Power with DL-CA Active
												Ch.		Carrier	
7C	3	7	20M	21100	2535	1	49	3100	2655	7	20M	3298	2674.8	15.56	15.44
7B	3	7	15M	21100	2535	1	99	3100	2655	7	5M	3193	2664.3	15.56	15.36
38C	3	38	20M	38150	2610	1	0	38150	2610	38	20M	37952	2590.2	18.37	18.25
41C	3	41	20M	40620	2593	1	0	40620	2593	41	20M	40818	2612.8	19.11	18.94
2A-5A	3	2	20M	18900	1880	1	99	900	1960	5	10M	2525	881.5	17.15	17.09
4A-4A	3	4	20M	20050	1720	1	0	2050	2120	4	20M	2300	2145	15.79	15.71
4A-5A	3	4	20M	20050	1720	1	0	2050	2120	5	10M	2525	881.5	15.79	15.51
4A-7A	3	4	20M	20050	1720	1	0	2050	2120	7	20M	3100	2655	15.79	15.54
5A-7A	0	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	23.15	22.88
5A-38A	0	5	10M	20600	844	1	49	2600	889	8	10M	3500	930	23.15	23.00
5A-41A	0	5	10M	20600	844	1	49	2600	889	41	20M	40620	2593	23.15	22.96
5A-66A	0	5	10M	20600	844	1	49	2600	889	66	20M	66786	2145	23.15	22.85
7A-7A	3	7	20M	21350	2560	1	49	3350	2680	7	5M	2775	2622.5	15.56	15.42
7A-66A	3	7	20M	21100	2535	1	49	3100	2655	66	20M	66786	2145	15.56	15.46
12A-66A	0	12	10M	23130	711	1	0	5310	741	66	20M	66786	2145	23.81	23.71
26A-41A	0	26	10M	26765	821.5	1	0	8765	866.5	41	20M	40620	2593	22.62	22.46
41A-41A	3	41	20M	40620	2593	1	0	40620	2593	41	5M	39675	2498.5	19.11	18.91
66A-66A	3	66	20M	132072	1720	1	0	66536	2120	66	1.4M	66443	2110.7	15.10	14.87
7C	4	7	20M	21350	2560	1	0	3350	2680	7	20M	3152	2660.2	22.69	22.55
7B	4	7	15M	21100	2535	1	99	3100	2655	7	5M	3193	2664.3	22.66	22.55
38C	4	38	20M	37850	2580	1	99	37850	2590	38	20M	38048	2599.8	22.81	22.72
41C	4	41	20M	40620	2593	1	0	40620	2593	41	20M	40818	2612.8	24.37	24.22
2A-5A	4	2	20M	18700	1860	1	99	900	1960	5	10M	2525	881.5	22.57	22.41
4A-4A	4	4	20M	20050	1720	1	0	2050	2120	4	5M	2375	2152.5	22.54	22.42
4A-5A	4	4	20M	20050	1720	1	0	2050	2120	5	10M	2525	881.5	22.54	22.37
4A-7A	4	4	20M	20050	1720	1	0	2050	2120	7	20M	3100	2655	22.54	22.39
5A-7A	1	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	24.09	23.95
5A-38A	1	5	10M	20600	844	1	49	2600	889	8	10M	3500	930	24.09	23.99
5A-41A	1	5	10M	20600	844	1	49	2600	889	41	20M	40620	2593	24.09	23.89
5A-66A	1	5	10M	20600	844	1	49	2600	889	66	20M	66786	2145	24.09	24.01
7A-7A	4	7	20M	21350	2560	1	0	3350	2680	7	5M	2775	2622.5	22.69	22.55
7A-66A	4	7	20M	21350	2560	1	0	3100	2655	66	20M	66536	2120	22.69	22.45
12A-66A	1	12	10M	23130	711	1	0	5310	741	66	20M	66536	2120	23.88	23.75
26A-41A	1	26	10M	26865	831.5	1	0	8865	876.5	41	20M	40620	2593	22.58	22.43
41A-41A	4	41	20M	40620	2593	1	0	40620	2593	41	5M	39675	2498.5	24.37	24.18
66A-66A	4	66	20M	132072	1720	1	0	66536	2120	66	5M	67311	2197.5	22.59	22.47

LTE Downlink Carrier Aggregation 3CC State 18																			
CA Combination	Antenna	PCC								SCC1				SCC2				Power(dBm)	
		LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA
41D	3	41	20M	40620	2593	1	49	40620	2593	41	20M	40818	2612.8	41	20M	41016	2632.6	19.11	19
4A-7C	3	4	20M	20050	1720	1	0	20050	2120	7	20M	3100	2655	7	20M	3298	2674.8	15.79	15.72
5A-7C	0	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	23.15	22.98
41A-41C	3	41	20M	40620	2593	1	49	40620	2593	41	5M	39675	2498.5	41	5M	39873	2518.3	19.11	19.01
5A-7A-7A	0	5	10M	20600	844	1	49	2600	889	7	20M	3350	2680	7	5M	2775	2622.5	23.15	23.08
5A-7A-66A	0	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	66	20M	66786	2145	23.15	22.93
5A-66A-66A	0	5	10M	20600	844	1	49	2600	889	66	20M	66536	2120	66	5M	67311	2197.5	23.15	22.85
7A-66A-66A	3	7	20M	21350	2560	1	49	3350	2680	66	20M	66786	2145	66	5M	67311	2197.5	15.56	15.31
7C-66A	3	7	20M	21100	2535	1	49	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	15.56	15.37
26A-41C	0	26	10M	26765	821.5	1	0	8765	866.5	41	20M	40620	2593	41	20M	40818	2612.8	22.62	22.54
41A-41A-41A	3	41	20M	40620	2593	1	49	40620	2593	41	5M	39675	2498.5	41	20M	40620	2593	19.11	18.91
41D	4	41	20M	40620	2593	1	49	40620	2593	41	20M	40818	2612.8	41	20M	41016	2632.6	24.37	24.22
4A-7C	4	4	20M	20050	1720	1	0	20050	2120	7	20M	3100	2655	7	20M	3298	2674.8	22.54	22.32
5A-7C	1	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	24.09	23.95
41A-41C	4	41	20M	40620	2593	1	49	40620	2593	41	5M	39675	2498.5	41	5M	39873	2518.3	24.37	24.12
5A-7A-7A	1	5	10M	20600	844	1	49	2600	889	7	20M	3350	2680	7	5M	2775	2622.5	24.09	23.88
5A-7A-66A	1	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	66	20M	66786	2145	24.09	23.84
5A-66A-66A	1	5	10M	20600	844	1	49	2600	889	66	20M	66536	2120	66	5M	67311	2197.5	24.09	23.79
7A-66A-66A	4	7	20M	21350	2560	1	49	3350	2680	66	20M	66786	2145	66	5M	67311	2197.5	22.69	22.42
7C-66A	4	7	20M	21100	2535	1	49	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	22.69	22.36
26A-41C	1	26	10M	26765	821.5	1	0	8765	866.5	41	20M	40620	2593	41	20M	40818	2612.8	22.58	22.35
41A-41A-41A	4	41	20M	40620	2593	1	49	40620	2593	41	5M	39675	2498.5	41	20M	40620	2593	24.37	24.11

LTE Downlink Carrier Aggregation 4CC State 18																							
CA Combination	Antenna	PCC								SCC1				SCC2				SCC3				Power(dBm)	
		LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA
5A-7A-66A-66A	0	5	10M	20600	844	1	49	2600	889	7	20M	3350	2680	66	20M	66786	2145	66	5M	67311	2197.5	23.15	23.06
5A-7C-66A	0	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	23.15	22.99
7C-66A-66A	3	7	20M	21100	2535	1	49	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	66	5M	67311	2197.5	15.56	15.38
5A-7A-66A-66A	1	5	10M	20600	844	1	49	2600	889	7	20M	3350	2680	66	20M	66786	2145	66	5M	67311	2197.5	24.09	23.68
5A-7C-66A	1	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	24.09	23.85
7C-66A-66A	4	7	20M	21100	2535	1	49	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	66	5M	67311	2197.5	22.69	23.77

LTE Downlink Carrier Aggregation 5CC State 18																											
CA Combination	Antenna	PCC								SCC1				SCC2				SCC3				SCC4				Power(dBm)	
		LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA
5A-7C-66A-66A	0	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	66	5M	67311	2197.5	23.15	23.04
5A-7C-66A-66A	1	5	10M	20600	844	1	49	2600	889	7	20M	3100	2655	7	20M	3298	2674.8	66	20M	66786	2145	66	5M	67311	2197.5	24.08	23.77