

8 CONDUCTED RF OUTPUT POWER

8.1	GSM Output Power
8.2	WCDMA Output Power
8.3	LTE Output Power
8.3.1	LTE Band2 Output Power
8.3.2	LTE Band4 Output Power
8.3.3	LTE Band5 Output Power
8.3.4	LTE Band7 Output Power
8.3.5	LTE Band12 Output Power
8.3.6	LTE Band17 Output Power
8.3.7	LTE Band26 Output Power
8.3.8	LTE Band38 Output Power
8.3.9	LTE Band41 Output Power
8.4	Intra-Band Uplink CA Power
8.4.1	LTE Band7 Uplink CA Output Power
8.5	5G NR Output Power
8.5.1	NR Band5 Output Power
8.5.1	NR Band7 Output Power
8.5.1	NR Band41 Output Power
8.5.2	NR Band77 Output Power(3700-3980Mhz)
8.5.3	NR Band77 Output Power(3450-3550Mhz)
8.5.4	NR Band78 Output Power(3700-3800Mhz)
8.5.5	NR Band78 Output Power(3450-3550Mhz)

8.1 GSM Output Power

GSM-Level1-Ant.1								
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
Channel	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.67	32.46	32.44	33.00	23.48	23.27	23.25	23.81
GPRS (GMSK, 1-Slot)	32.75	32.55	32.52	33.00	23.56	23.36	23.33	23.81
GPRS (GMSK, 2-Slots)	30.65	30.56	30.46	31.00	24.52	24.43	24.33	24.87
GPRS (GMSK, 3-Slots)	28.57	28.46	28.29	29.00	24.15	24.04	23.87	24.58
GPRS (GMSK, 4-Slots)	26.44	26.10	26.02	26.50	23.26	22.92	22.84	23.32
EGPRS (8PSK, 1-Slot)	26.69	26.72	26.25	27.00	17.50	17.53	17.06	17.81
EGPRS (8PSK, 2-Slots)	25.44	25.36	25.36	26.00	19.31	19.23	19.23	19.87
EGPRS (8PSK, 3-Slots)	24.12	23.82	23.65	24.50	19.70	19.40	19.23	20.08
EGPRS (8PSK, 4-Slots)	22.36	22.04	22.03	23.00	19.18	18.86	18.85	19.82
GSM-Level1-Ant.4								
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
Channel	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	27.69	27.92	27.61	28.00	18.50	18.73	18.42	18.81
GPRS (GMSK, 1-Slot)	27.74	27.98	27.67	28.00	18.55	18.79	18.48	18.81
GPRS (GMSK, 2-Slots)	27.50	27.72	27.37	28.00	21.37	21.59	21.24	21.87
GPRS (GMSK, 3-Slots)	27.28	27.49	27.10	27.50	22.86	23.07	22.68	23.08
GPRS (GMSK, 4-Slots)	27.41	27.44	27.42	27.50	24.23	24.26	24.24	24.32
EGPRS (8PSK, 1-Slot)	26.59	26.77	26.31	27.00	17.40	17.58	17.12	17.81
EGPRS (8PSK, 2-Slots)	25.99	26.44	25.87	26.50	19.86	20.31	19.74	20.37
EGPRS (8PSK, 3-Slots)	24.22	24.71	24.09	25.00	19.80	20.29	19.67	20.58
EGPRS (8PSK, 4-Slots)	22.55	22.69	22.51	23.00	19.37	19.51	19.33	19.82

GSM-Level2-Ant.1								
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
Channel	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.67	32.46	32.44	33.00	23.48	23.27	23.25	23.81
GPRS (GMSK, 1-Slot)	32.75	32.55	32.52	33.00	23.56	23.36	23.33	23.81
GPRS (GMSK, 2-Slots)	30.65	30.56	30.46	31.00	24.52	24.43	24.33	24.87
GPRS (GMSK, 3-Slots)	28.57	28.46	28.29	29.00	24.15	24.04	23.87	24.58
GPRS (GMSK, 4-Slots)	26.44	26.10	26.02	26.50	23.26	22.92	22.84	23.32
EGPRS (8PSK, 1-Slot)	26.69	26.72	26.25	27.00	17.50	17.53	17.06	17.81
EGPRS (8PSK, 2-Slots)	25.44	25.36	25.36	26.00	19.31	19.23	19.23	19.87
EGPRS (8PSK, 3-Slots)	24.12	23.82	23.65	24.50	19.70	19.40	19.23	20.08
EGPRS (8PSK, 4-Slots)	22.36	22.04	22.03	23.00	19.18	18.86	18.85	19.82
GSM-Level2-Ant.4								
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
Channel	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	30.21	30.23	29.97	30.50	21.02	21.04	20.78	21.31
GPRS (GMSK, 1-Slot)	30.20	30.21	29.93	30.50	21.01	21.02	20.74	21.31
GPRS (GMSK, 2-Slots)	29.16	29.26	28.89	29.50	23.03	23.13	22.76	23.37
GPRS (GMSK, 3-Slots)	26.91	27.13	26.73	27.50	22.49	22.71	22.31	23.08
GPRS (GMSK, 4-Slots)	24.75	24.63	24.30	25.00	21.57	21.45	21.12	21.82
EGPRS (8PSK, 1-Slot)	26.21	26.30	25.95	27.00	17.02	17.11	16.76	17.81
EGPRS (8PSK, 2-Slots)	25.65	25.68	25.39	26.50	19.52	19.55	19.26	20.37
EGPRS (8PSK, 3-Slots)	23.76	24.02	23.59	25.00	19.34	19.60	19.17	20.58
EGPRS (8PSK, 4-Slots)	21.96	21.70	21.45	23.00	18.78	18.52	18.27	19.82

GSM-Level1-Ant.2								
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
Channel	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.48	32.42	32.33	33.00	23.29	23.23	23.14	23.81
GPRS (GMSK, 1-Slot)	32.47	32.40	32.31	33.00	23.28	23.21	23.12	23.81
GPRS (GMSK, 2-Slots)	30.40	30.35	30.27	31.00	24.27	24.22	24.14	24.87
GPRS (GMSK, 3-Slots)	28.25	28.18	28.15	29.00	23.83	23.76	23.73	24.58
GPRS (GMSK, 4-Slots)	26.08	25.81	25.81	26.50	22.90	22.63	22.63	23.32
EGPRS (8PSK, 1-Slot)	29.48	29.53	29.44	30.00	20.29	20.34	20.25	20.81
EGPRS (8PSK, 2-Slots)	28.23	28.21	28.24	29.00	22.10	22.08	22.11	22.87
EGPRS (8PSK, 3-Slots)	26.63	26.57	26.77	27.00	22.21	22.15	22.35	22.58
EGPRS (8PSK, 4-Slots)	25.01	25.07	25.19	26.00	21.83	21.89	22.01	22.82
GSM-Level1-Ant.2								
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
Channel	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	30.56	30.70	30.38	31.00	21.37	21.51	21.19	21.81
GPRS (GMSK, 1-Slot)	30.55	30.68	30.42	31.00	21.36	21.49	21.23	21.81
GPRS (GMSK, 2-Slots)	29.50	29.69	29.38	30.00	23.37	23.56	23.25	23.87
GPRS (GMSK, 3-Slots)	27.24	27.40	27.17	27.50	22.82	22.98	22.75	23.08
GPRS (GMSK, 4-Slots)	24.89	24.98	24.85	25.00	21.71	21.80	21.67	21.82
EGPRS (8PSK, 1-Slot)	26.53	26.61	26.22	27.00	17.34	17.42	17.03	17.81
EGPRS (8PSK, 2-Slots)	25.83	26.07	25.78	26.50	19.70	19.94	19.65	20.37
EGPRS (8PSK, 3-Slots)	24.16	24.36	23.95	25.00	19.74	19.94	19.53	20.58
EGPRS (8PSK, 4-Slots)	22.44	22.62	22.22	23.00	19.26	19.44	19.04	19.82

GSM-Level2-Ant.2								
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
Channel	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.48	32.42	32.33	33.00	23.29	23.23	23.14	23.81
GPRS (GMSK, 1-Slot)	32.47	32.40	32.31	33.00	23.28	23.21	23.12	23.81
GPRS (GMSK, 2-Slots)	30.40	30.35	30.27	31.00	24.27	24.22	24.14	24.87
GPRS (GMSK, 3-Slots)	28.25	28.18	28.15	29.00	23.83	23.76	23.73	24.58
GPRS (GMSK, 4-Slots)	26.08	25.81	25.81	26.50	22.90	22.63	22.63	23.32
EGPRS (8PSK, 1-Slot)	29.48	29.53	29.44	30.00	20.29	20.34	20.25	20.81
EGPRS (8PSK, 2-Slots)	28.23	28.21	28.24	29.00	22.10	22.08	22.11	22.87
EGPRS (8PSK, 3-Slots)	26.63	26.57	26.77	27.00	22.21	22.15	22.35	22.58
EGPRS (8PSK, 4-Slots)	25.01	25.07	25.19	26.00	21.83	21.89	22.01	22.82
GSM-Level2-Ant.2								
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
Channel	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	30.56	30.70	30.38	31.00	21.37	21.51	21.19	21.81
GPRS (GMSK, 1-Slot)	30.55	30.68	30.42	31.00	21.36	21.49	21.23	21.81
GPRS (GMSK, 2-Slots)	29.50	29.69	29.38	30.00	23.37	23.56	23.25	23.87
GPRS (GMSK, 3-Slots)	27.24	27.40	27.17	27.50	22.82	22.98	22.75	23.08
GPRS (GMSK, 4-Slots)	24.89	24.98	24.85	25.00	21.71	21.80	21.67	21.82
EGPRS (8PSK, 1-Slot)	26.53	26.61	26.22	27.00	17.34	17.42	17.03	17.81
EGPRS (8PSK, 2-Slots)	25.83	26.07	25.78	26.50	19.70	19.94	19.65	20.37
EGPRS (8PSK, 3-Slots)	24.16	24.36	23.95	25.00	19.74	19.94	19.53	20.58
EGPRS (8PSK, 4-Slots)	22.44	22.62	22.22	23.00	19.26	19.44	19.04	19.82

8.2 WCDMA Output Power

WCDMA-Level1-Ant.4				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262.00	9400.00	9538.00	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	19.02	19.31	19.05	19.50
HSDPA Subtest-1	17.83	17.98	18.00	18.50
HSDPA Subtest-2	17.93	17.98	17.87	18.50
HSDPA Subtest-3	17.33	17.42	17.47	18.00
HSDPA Subtest-4	17.41	17.30	17.48	18.00
HSUPA Subtest-1	17.89	17.91	17.96	18.50
HSUPA Subtest-2	15.95	15.94	15.90	16.50
HSUPA Subtest-3	16.82	16.92	16.97	17.50
HSUPA Subtest-4	15.98	15.89	15.90	16.50
HSUPA Subtest-5	17.82	17.99	18.00	18.50
WCDMA-Level1-Ant.4				
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312.00	1412.00	1513.00	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	18.85	18.92	18.77	19.00
HSDPA Subtest-1	17.57	17.61	17.54	18.00
HSDPA Subtest-2	17.50	17.64	17.64	18.00
HSDPA Subtest-3	17.07	17.17	17.16	17.50
HSDPA Subtest-4	17.03	17.20	17.20	17.50
HSUPA Subtest-1	17.59	17.64	17.57	18.00
HSUPA Subtest-2	15.62	15.51	15.58	16.00
HSUPA Subtest-3	16.54	16.56	16.53	17.00
HSUPA Subtest-4	15.57	15.54	15.54	16.00
HSUPA Subtest-5	17.58	17.58	17.68	18.00
WCDMA-Level1-Ant.1				
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132.00	4182.00	4233.00	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	24.19	24.12	24.14	24.50
HSDPA Subtest-1	23.02	23.11	23.05	23.50
HSDPA Subtest-2	23.01	23.17	23.01	23.50
HSDPA Subtest-3	22.53	22.64	22.55	23.00
HSDPA Subtest-4	22.66	22.64	22.68	23.00
HSUPA Subtest-1	23.17	23.13	23.17	23.50
HSUPA Subtest-2	21.15	21.17	21.15	21.50
HSUPA Subtest-3	22.09	22.05	22.03	22.50
HSUPA Subtest-4	21.20	21.11	21.09	21.50
HSUPA Subtest-5	23.02	23.07	23.17	23.50
WCDMA-Level1-Ant.1				
Band	BC0			Tune-up Limit Power(dBm)
Channel	1013.00	384.00	777.00	
Frequency	824.70	836.52	848.31	
1xEVDO Rel.0 RTAP 153.6kbps	23.44	23.72	23.38	24.00
1xEVDO Rel.A RETAP ; 4096	23.50	23.77	23.36	24.00

WCDMA-Level2-Ant.4				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262.00	9400.00	9538.00	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	24.60	24.67	24.52	25.00
HSDPA Subtest-1	23.47	23.67	23.47	24.00
HSDPA Subtest-2	23.46	23.71	23.30	24.00
HSDPA Subtest-3	22.89	23.25	22.87	23.50
HSDPA Subtest-4	22.88	23.26	22.86	23.50
HSUPA Subtest-1	23.46	23.75	23.48	24.00
HSUPA Subtest-2	21.46	21.74	21.38	22.00
HSUPA Subtest-3	22.46	22.73	22.46	23.00
HSUPA Subtest-4	21.49	21.82	21.30	22.00
HSUPA Subtest-5	23.30	23.76	23.41	24.00
WCDMA-Level2-Ant.4				
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312.00	1412.00	1513.00	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	24.33	24.39	24.25	24.50
HSDPA Subtest-1	23.14	23.37	23.20	23.50
HSDPA Subtest-2	23.05	23.39	23.11	23.50
HSDPA Subtest-3	22.59	22.89	22.70	23.00
HSDPA Subtest-4	22.55	22.88	22.61	23.00
HSUPA Subtest-1	23.07	23.41	23.00	23.50
HSUPA Subtest-2	21.11	21.36	21.03	21.50
HSUPA Subtest-3	22.01	22.39	22.17	22.50
HSUPA Subtest-4	21.03	21.46	21.13	21.50
HSUPA Subtest-5	23.15	23.36	23.07	23.50
WCDMA-Level2-Ant.1				
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132.00	4182.00	4233.00	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	24.19	24.12	24.14	24.50
HSDPA Subtest-1	23.02	23.11	23.05	23.50
HSDPA Subtest-2	23.01	23.17	23.01	23.50
HSDPA Subtest-3	22.53	22.64	22.55	23.00
HSDPA Subtest-4	22.66	22.64	22.68	23.00
HSUPA Subtest-1	23.17	23.13	23.17	23.50
HSUPA Subtest-2	21.15	21.17	21.15	21.50
HSUPA Subtest-3	22.09	22.05	22.03	22.50
HSUPA Subtest-4	21.20	21.11	21.09	21.50
HSUPA Subtest-5	23.02	23.07	23.17	23.50
WCDMA-Level2-Ant.1				
Band	BC0			Tune-up Limit Power(dBm)
Channel	1013.00	384.00	777.00	
Frequency	824.70	836.52	848.31	
1xEVDO Rel.0 RTAP 153.6kbps	23.44	23.72	23.38	24.00
1xEVDO Rel.A RETAP : 4096	23.50	23.77	23.36	24.00

WCDMA-Level1-Ant.2				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262.00	9400.00	9538.00	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	24.37	24.53	24.22	25.00
HSDPA Subtest-1	23.37	23.55	23.20	24.00
HSDPA Subtest-2	23.38	23.52	23.26	24.00
HSDPA Subtest-3	22.85	23.04	22.69	23.50
HSDPA Subtest-4	22.87	23.02	22.70	23.50
HSUPA Subtest-1	23.40	23.40	23.45	24.00
HSUPA Subtest-2	21.30	21.47	21.45	22.00
HSUPA Subtest-3	22.45	22.38	22.36	23.00
HSUPA Subtest-4	21.38	21.32	21.34	22.00
HSUPA Subtest-5	23.36	23.39	23.46	24.00
WCDMA-Level1-Ant.2				
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312.00	1412.00	1513.00	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	23.85	23.96	24.02	24.50
HSDPA Subtest-1	23.18	23.19	23.14	23.50
HSDPA Subtest-2	23.03	23.16	23.06	23.50
HSDPA Subtest-3	22.54	22.62	22.67	23.00
HSDPA Subtest-4	22.62	22.62	22.52	23.00
HSUPA Subtest-1	23.17	23.20	23.12	23.50
HSUPA Subtest-2	21.10	21.01	21.13	21.50
HSUPA Subtest-3	22.05	22.10	22.07	22.50
HSUPA Subtest-4	21.19	21.19	21.14	21.50
HSUPA Subtest-5	23.03	23.15	23.19	23.50
WCDMA-Level1-Ant.2				
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132.00	4182.00	4233.00	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	24.05	23.96	24.03	24.50
HSDPA Subtest-1	23.05	23.11	23.07	23.50
HSDPA Subtest-2	23.09	23.11	23.11	23.50
HSDPA Subtest-3	22.66	22.51	22.55	23.00
HSDPA Subtest-4	22.60	22.63	22.56	23.00
HSUPA Subtest-1	23.06	23.04	23.00	23.50
HSUPA Subtest-2	21.09	21.15	21.05	21.50
HSUPA Subtest-3	22.05	22.09	22.10	22.50
HSUPA Subtest-4	21.01	21.17	21.15	21.50
HSUPA Subtest-5	23.04	23.08	23.00	23.50
WCDMA-Level1-Ant.2				
Band	BC0			Tune-up Limit Power(dBm)
Channel	1013.00	384.00	777.00	
Frequency	824.70	836.52	848.31	
1xEVDO Rel.0 RTAP 153.6kbps	23.86	23.87	24.15	24.50
1xEVDO Rel.A RETAP : 4096	24.09	23.95	24.07	24.50

WCDMA-Level2-Ant.2				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262.00	9400.00	9538.00	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	24.37	24.53	24.22	25.00
HSDPA Subtest-1	23.37	23.55	23.20	24.00
HSDPA Subtest-2	23.38	23.52	23.26	24.00
HSDPA Subtest-3	22.85	23.04	22.69	23.50
HSDPA Subtest-4	22.87	23.02	22.70	23.50
HSUPA Subtest-1	23.40	23.40	23.45	24.00
HSUPA Subtest-2	21.30	21.47	21.45	22.00
HSUPA Subtest-3	22.45	22.38	22.36	23.00
HSUPA Subtest-4	21.38	21.32	21.34	22.00
HSUPA Subtest-5	23.36	23.39	23.46	24.00
WCDMA-Level2-Ant.2				
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312.00	1412.00	1513.00	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	23.85	23.96	24.02	24.50
HSDPA Subtest-1	23.18	23.19	23.14	23.50
HSDPA Subtest-2	23.03	23.16	23.06	23.50
HSDPA Subtest-3	22.54	22.62	22.67	23.00
HSDPA Subtest-4	22.62	22.62	22.52	23.00
HSUPA Subtest-1	23.17	23.20	23.12	23.50
HSUPA Subtest-2	21.10	21.01	21.13	21.50
HSUPA Subtest-3	22.05	22.10	22.07	22.50
HSUPA Subtest-4	21.19	21.19	21.14	21.50
HSUPA Subtest-5	23.03	23.15	23.19	23.50
WCDMA-Level2-Ant.2				
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132.00	4182.00	4233.00	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	24.05	23.96	24.03	24.50
HSDPA Subtest-1	23.05	23.11	23.07	23.50
HSDPA Subtest-2	23.09	23.11	23.11	23.50
HSDPA Subtest-3	22.66	22.51	22.55	23.00
HSDPA Subtest-4	22.60	22.63	22.56	23.00
HSUPA Subtest-1	23.06	23.04	23.00	23.50
HSUPA Subtest-2	21.09	21.15	21.05	21.50
HSUPA Subtest-3	22.05	22.09	22.10	22.50
HSUPA Subtest-4	21.01	21.17	21.15	21.50
HSUPA Subtest-5	23.04	23.08	23.00	23.50
WCDMA-Level2-Ant.2				
Band	BC0			Tune-up Limit Power(dBm)
Channel	1013.00	384.00	777.00	
Frequency	824.70	836.52	848.31	
1xEVDO Rel.0 RTAP 153.6kbps	23.86	23.87	24.15	24.50
1xEVDO Rel.A RETAP : 4096	24.09	23.95	24.07	24.50

8.3 LTE Output Power

8.3.1 LTE Band2 Output Power

LTE B2-Level 1 -Ant.4								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	18.55	18.57	18.47	19.00	
		MID	QPSK	18.49	18.81	18.73	19.00	
		HIGH	QPSK	18.79	18.74	18.40	19.00	
	3	LOW	QPSK	18.38	18.46	18.32	19.00	
		MID	QPSK	18.45	18.87	18.80	19.00	
		HIGH	QPSK	18.79	18.70	18.46	19.00	
	6	LOW	QPSK	17.68	17.81	17.57	18.00	
1.4	1	LOW	Q16	17.97	17.72	17.86	18.00	
		MID	Q16	17.89	17.89	17.87	18.00	
		HIGH	Q16	17.81	17.85	17.91	18.00	
	3	LOW	Q16	17.79	17.79	17.95	18.00	
		MID	Q16	17.91	17.71	17.89	18.00	
		HIGH	Q16	17.67	17.87	17.93	18.00	
	6	LOW	Q16	16.68	16.69	16.77	17.00	
	1.4	1	LOW	64QAM	16.93	16.58	16.81	17.00
			MID	64QAM	16.94	16.72	16.87	17.00
HIGH			64QAM	16.82	16.81	16.88	17.00	
3		LOW	64QAM	16.81	16.66	16.81	17.00	
		MID	64QAM	16.75	16.65	16.89	17.00	
		HIGH	64QAM	16.69	16.69	16.86	17.00	
6		LOW	64QAM	15.93	15.87	15.79	16.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)	
3	1	LOW	QPSK	18.51	18.59	18.55	19.00	
		MID	QPSK	18.62	18.76	18.71	19.00	
		HIGH	QPSK	18.69	18.63	18.46	19.00	
	8	LOW	QPSK	17.56	17.82	17.69	18.00	
		MID	QPSK	17.54	17.78	17.82	18.00	
		HIGH	QPSK	17.66	17.93	17.64	18.00	
	15	LOW	QPSK	17.77	17.71	17.79	18.00	
3	1	LOW	Q16	17.79	17.67	17.93	18.00	
		MID	Q16	17.87	17.99	17.76	18.00	
		HIGH	Q16	17.94	17.91	17.82	18.00	
	8	LOW	Q16	16.59	16.89	16.66	17.00	
		MID	Q16	16.79	16.88	16.66	17.00	
		HIGH	Q16	16.57	16.77	16.77	17.00	
	15	LOW	Q16	16.75	16.74	16.82	17.00	
3	1	LOW	64QAM	16.70	16.66	16.85	17.00	
		MID	64QAM	16.88	16.72	16.77	17.00	
		HIGH	64QAM	16.97	16.93	16.82	17.00	
	8	LOW	64QAM	15.60	15.85	15.99	16.00	
		MID	64QAM	15.81	15.98	15.81	16.00	
		HIGH	64QAM	15.66	15.73	15.79	16.00	
	15	LOW	64QAM	15.85	15.80	15.72	16.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	18.53	18.83	18.71	19.00
		MID	QPSK	18.56	18.64	18.55	19.00
		HIGH	QPSK	18.75	18.67	18.62	19.00
	12	LOW	QPSK	17.61	17.90	17.69	18.00
		MID	QPSK	17.77	17.86	17.85	18.00
		HIGH	QPSK	17.68	17.64	17.73	18.00
	25	LOW	QPSK	17.80	17.94	17.65	18.00
5	1	LOW	Q16	17.82	17.90	17.74	18.00
		MID	Q16	17.67	17.80	17.88	18.00
		HIGH	Q16	17.81	17.78	17.70	18.00
	12	LOW	Q16	16.64	16.75	16.69	17.00
		MID	Q16	16.69	16.87	16.81	17.00
		HIGH	Q16	16.77	16.89	16.77	17.00
	25	LOW	Q16	16.78	16.89	16.67	17.00
5	1	LOW	64QAM	16.85	16.76	16.95	17.00
		MID	64QAM	16.78	16.86	16.77	17.00
		HIGH	64QAM	16.92	16.78	16.84	17.00
	12	LOW	64QAM	15.56	15.96	15.77	16.00
		MID	64QAM	15.68	15.92	15.89	16.00
		HIGH	64QAM	15.58	15.65	15.59	16.00
	25	LOW	64QAM	15.80	15.86	15.95	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	18.46	18.65	18.68	19.00
		MID	QPSK	18.42	18.77	18.53	19.00
		HIGH	QPSK	18.86	18.63	18.51	19.00
	25	LOW	QPSK	17.52	17.91	17.76	18.00
		MID	QPSK	17.56	17.78	17.69	18.00
		HIGH	QPSK	17.87	17.75	17.75	18.00
	50	LOW	QPSK	17.68	17.94	17.68	18.00
10	1	LOW	Q16	17.95	17.79	17.95	18.00
		MID	Q16	17.67	17.98	17.69	18.00
		HIGH	Q16	17.92	17.81	17.66	18.00
	25	LOW	Q16	16.74	16.86	16.63	17.00
		MID	Q16	16.74	16.78	16.66	17.00
		HIGH	Q16	16.59	16.74	16.57	17.00
	50	LOW	Q16	16.61	16.91	16.72	17.00
10	1	LOW	64QAM	16.70	16.56	16.98	17.00
		MID	64QAM	16.86	16.87	16.90	17.00
		HIGH	64QAM	16.78	16.85	16.81	17.00
	25	LOW	64QAM	15.64	15.86	15.97	16.00
		MID	64QAM	15.79	15.98	15.85	16.00
		HIGH	64QAM	15.77	15.84	15.71	16.00
	50	LOW	64QAM	15.99	15.90	15.89	16.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	18.61	18.76	18.43	19.00
		MID	QPSK	18.62	18.76	18.51	19.00
		HIGH	QPSK	18.69	18.89	18.60	19.00
	36	LOW	QPSK	17.65	17.72	17.65	18.00
		MID	QPSK	17.79	17.87	17.62	18.00
		HIGH	QPSK	17.68	17.66	17.66	18.00
	75	LOW	QPSK	17.73	17.65	17.61	18.00
15	1	LOW	Q16	17.83	17.61	17.90	18.00
		MID	Q16	17.94	17.99	17.85	18.00
		HIGH	Q16	17.98	17.85	17.73	18.00
	36	LOW	Q16	16.64	16.87	16.74	17.00
		MID	Q16	16.86	16.73	16.56	17.00
		HIGH	Q16	16.54	16.93	16.57	17.00
	75	LOW	Q16	16.61	16.91	16.62	17.00
15	1	LOW	64QAM	16.80	16.56	16.83	17.00
		MID	64QAM	16.91	16.84	16.80	17.00
		HIGH	64QAM	16.89	16.85	16.83	17.00
	36	LOW	64QAM	15.60	15.84	15.97	16.00
		MID	64QAM	15.60	15.92	15.97	16.00
		HIGH	64QAM	15.60	15.65	15.56	16.00
	75	LOW	64QAM	15.89	15.83	15.81	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	18.55	18.74	18.64	19.00
		MID	QPSK	18.77	18.85	18.64	19.00
		HIGH	QPSK	18.65	18.80	18.53	19.00
	50	LOW	QPSK	17.63	17.86	17.76	18.00
		MID	QPSK	17.72	17.91	17.78	18.00
		HIGH	QPSK	17.82	17.84	17.68	18.00
	100	LOW	QPSK	17.75	17.85	17.77	18.00
20	1	LOW	Q16	17.97	17.81	17.88	18.00
		MID	Q16	17.87	17.94	17.83	18.00
		HIGH	Q16	17.94	17.96	17.82	18.00
	50	LOW	Q16	16.67	16.89	16.76	17.00
		MID	Q16	16.79	16.90	16.73	17.00
		HIGH	Q16	16.72	16.91	16.69	17.00
	100	LOW	Q16	16.78	16.86	16.79	17.00
20	1	LOW	64QAM	16.85	16.68	16.95	17.00
		MID	64QAM	16.86	16.89	16.92	17.00
		HIGH	64QAM	16.97	16.95	16.96	17.00
	50	LOW	64QAM	15.62	15.98	15.91	16.00
		MID	64QAM	15.73	15.92	15.95	16.00
		HIGH	64QAM	15.71	15.81	15.73	16.00
	100	LOW	64QAM	15.91	15.98	15.89	16.00

LTE B2-Level 2 -Ant.4							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.90	24.21	24.01	24.50
		MID	QPSK	24.26	24.12	24.07	24.50
		HIGH	QPSK	24.01	24.24	24.05	24.50
	3	LOW	QPSK	24.36	24.14	24.11	24.50
		MID	QPSK	23.99	24.24	23.97	24.50
		HIGH	QPSK	23.93	24.12	23.86	24.50
	6	LOW	QPSK	23.07	23.10	23.03	23.50
1.4	1	LOW	Q16	23.29	23.34	23.32	23.50
		MID	Q16	23.37	23.30	23.40	23.50
		HIGH	Q16	23.35	23.28	23.15	23.50
	3	LOW	Q16	23.31	23.27	23.25	23.50
		MID	Q16	23.27	23.09	23.35	23.50
		HIGH	Q16	23.22	23.37	23.36	23.50
	6	LOW	Q16	22.16	22.36	22.12	22.50
1.4	1	LOW	64QAM	22.19	21.93	22.39	22.50
		MID	64QAM	22.09	22.46	22.21	22.50
		HIGH	64QAM	22.27	22.37	22.08	22.50
	3	LOW	64QAM	21.99	21.78	21.95	22.50
		MID	64QAM	22.25	22.42	22.44	22.50
		HIGH	64QAM	22.45	22.46	21.90	22.50
	6	LOW	64QAM	21.07	21.34	21.38	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	23.95	24.26	23.94	24.50
		MID	QPSK	24.31	24.24	24.00	24.50
		HIGH	QPSK	24.23	24.34	24.02	24.50
	8	LOW	QPSK	23.15	23.37	23.04	23.50
		MID	QPSK	23.34	23.33	23.24	23.50
		HIGH	QPSK	23.24	23.48	23.13	23.50
	15	LOW	QPSK	23.24	23.13	23.29	23.50
3	1	LOW	Q16	23.46	23.41	23.11	23.50
		MID	Q16	23.23	23.20	23.17	23.50
		HIGH	Q16	23.36	23.14	23.10	23.50
	8	LOW	Q16	22.33	22.28	22.12	22.50
		MID	Q16	22.30	22.35	22.32	22.50
		HIGH	Q16	22.40	22.17	22.23	22.50
	15	LOW	Q16	22.36	22.38	22.28	22.50
3	1	LOW	64QAM	22.23	22.06	22.15	22.50
		MID	64QAM	22.18	22.28	22.30	22.50
		HIGH	64QAM	22.34	22.31	22.26	22.50
	8	LOW	64QAM	21.28	21.22	21.20	21.50
		MID	64QAM	21.28	21.19	21.19	21.50
		HIGH	64QAM	21.45	21.37	21.30	21.50
	15	LOW	64QAM	21.22	21.34	21.38	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	24.00	24.38	24.13	24.50
		MID	QPSK	24.31	24.36	23.90	24.50
		HIGH	QPSK	24.25	24.15	23.95	24.50
	12	LOW	QPSK	23.36	23.14	23.18	23.50
		MID	QPSK	23.25	23.34	23.34	23.50
		HIGH	QPSK	23.31	23.25	23.02	23.50
	25	LOW	QPSK	23.17	23.38	23.17	23.50
5	1	LOW	Q16	23.18	23.45	23.21	23.50
		MID	Q16	23.21	23.37	23.26	23.50
		HIGH	Q16	23.38	23.26	23.13	23.50
	12	LOW	Q16	22.09	22.37	22.12	22.50
		MID	Q16	22.24	22.42	22.01	22.50
		HIGH	Q16	22.36	22.49	22.23	22.50
	25	LOW	Q16	22.14	22.42	22.21	22.50
5	1	LOW	64QAM	22.32	21.99	22.39	22.50
		MID	64QAM	22.33	22.46	22.32	22.50
		HIGH	64QAM	22.34	22.26	22.15	22.50
	12	LOW	64QAM	21.05	21.30	21.07	21.50
		MID	64QAM	21.39	21.34	21.17	21.50
		HIGH	64QAM	21.34	21.28	21.46	21.50
	25	LOW	64QAM	21.26	21.26	21.40	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	23.88	24.29	24.25	24.50
		MID	QPSK	24.00	24.38	24.02	24.50
		HIGH	QPSK	24.08	24.10	24.07	24.50
	25	LOW	QPSK	23.13	23.25	23.09	23.50
		MID	QPSK	23.13	23.32	23.41	23.50
		HIGH	QPSK	23.17	23.39	23.23	23.50
	50	LOW	QPSK	23.45	23.15	23.15	23.50
10	1	LOW	Q16	23.15	23.48	23.28	23.50
		MID	Q16	23.42	23.11	23.19	23.50
		HIGH	Q16	23.24	23.35	23.38	23.50
	25	LOW	Q16	22.09	22.26	22.41	22.50
		MID	Q16	22.30	22.20	22.05	22.50
		HIGH	Q16	22.23	22.33	22.01	22.50
	50	LOW	Q16	22.25	22.36	22.12	22.50
10	1	LOW	64QAM	22.25	21.82	22.12	22.50
		MID	64QAM	22.27	22.48	22.43	22.50
		HIGH	64QAM	22.43	22.19	22.30	22.50
	25	LOW	64QAM	21.30	21.05	21.31	21.50
		MID	64QAM	21.47	21.42	20.96	21.50
		HIGH	64QAM	21.41	21.13	21.30	21.50
	50	LOW	64QAM	21.05	21.19	21.28	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	23.95	24.31	24.13	24.50
		MID	QPSK	24.24	24.38	24.07	24.50
		HIGH	QPSK	24.10	24.19	24.05	24.50
	36	LOW	QPSK	23.22	23.49	23.35	23.50
		MID	QPSK	23.37	23.30	23.41	23.50
		HIGH	QPSK	23.13	23.31	22.93	23.50
	75	LOW	QPSK	23.38	23.15	23.13	23.50
15	1	LOW	Q16	23.41	23.43	23.14	23.50
		MID	Q16	23.49	23.16	23.28	23.50
		HIGH	Q16	23.31	23.07	23.38	23.50
	36	LOW	Q16	22.38	22.31	22.43	22.50
		MID	Q16	22.41	22.49	22.16	22.50
		HIGH	Q16	22.36	22.31	22.06	22.50
	75	LOW	Q16	22.12	22.49	22.35	22.50
15	1	LOW	64QAM	22.01	21.88	22.12	22.50
		MID	64QAM	22.16	22.35	22.35	22.50
		HIGH	64QAM	22.32	22.37	22.24	22.50
	36	LOW	64QAM	21.14	21.01	21.14	21.50
		MID	64QAM	21.24	21.44	21.07	21.50
		HIGH	64QAM	21.32	21.24	21.39	21.50
	75	LOW	64QAM	21.26	21.30	21.34	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	24.12	24.32	24.18	24.50
		MID	QPSK	24.19	24.36	24.12	24.50
		HIGH	QPSK	24.25	24.34	24.00	24.50
	50	LOW	QPSK	23.27	23.37	23.30	23.50
		MID	QPSK	23.32	23.41	23.29	23.50
		HIGH	QPSK	23.36	23.39	23.18	23.50
	100	LOW	QPSK	23.33	23.36	23.29	23.50
20	1	LOW	Q16	23.34	23.36	23.30	23.50
		MID	Q16	23.42	23.32	23.33	23.50
		HIGH	Q16	23.43	23.33	23.29	23.50
	50	LOW	Q16	22.29	22.44	22.32	22.50
		MID	Q16	22.37	22.42	22.25	22.50
		HIGH	Q16	22.36	22.42	22.19	22.50
	100	LOW	Q16	22.34	22.40	22.28	22.50
20	1	LOW	64QAM	22.23	22.06	22.28	22.50
		MID	64QAM	22.29	22.37	22.39	22.50
		HIGH	64QAM	22.36	22.44	22.28	22.50
	50	LOW	64QAM	21.22	21.22	21.20	21.50
		MID	64QAM	21.43	21.38	21.15	21.50
		HIGH	64QAM	21.47	21.37	21.48	21.50
	100	LOW	64QAM	21.20	21.30	21.49	21.50

LTE B5-Level 1 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.98	24.06	24.14	24.50
		MID	QPSK	24.05	24.14	24.01	24.50
		HIGH	QPSK	24.22	24.02	23.90	24.50
	3	LOW	QPSK	24.11	24.08	24.00	24.50
		MID	QPSK	24.00	24.17	23.70	24.50
		HIGH	QPSK	24.29	24.12	23.66	24.50
	6	LOW	QPSK	23.25	23.22	23.21	23.50
1.4	1	LOW	Q16	23.46	23.19	23.38	23.50
		MID	Q16	23.21	23.25	23.37	23.50
		HIGH	Q16	23.34	23.29	23.19	23.50
	3	LOW	Q16	23.32	22.91	23.45	23.50
		MID	Q16	23.17	23.11	23.26	23.50
		HIGH	Q16	23.24	23.27	23.40	23.50
	6	LOW	Q16	22.04	22.37	21.98	22.50
1.4	1	LOW	64QAM	22.27	21.78	22.15	22.50
		MID	64QAM	22.35	21.74	22.22	22.50
		HIGH	64QAM	22.15	21.67	22.31	22.50
	3	LOW	64QAM	21.19	21.34	21.28	22.50
		MID	64QAM	21.34	21.54	20.94	22.50
		HIGH	64QAM	21.38	21.36	21.22	22.50
	6	LOW	64QAM	21.32	21.16	21.28	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	23.84	24.10	23.99	24.50
		MID	QPSK	24.19	24.39	23.93	24.50
		HIGH	QPSK	23.88	24.19	23.69	24.50
	8	LOW	QPSK	23.04	23.24	22.98	23.50
		MID	QPSK	23.40	23.21	23.25	23.50
		HIGH	QPSK	23.13	23.13	23.11	23.50
	15	LOW	QPSK	23.34	23.38	23.31	23.50
3	1	LOW	Q16	23.28	23.28	23.37	23.50
		MID	Q16	23.30	23.23	23.49	23.50
		HIGH	Q16	23.48	23.30	23.26	23.50
	8	LOW	Q16	21.92	22.09	22.24	22.50
		MID	Q16	22.17	22.18	22.15	22.50
		HIGH	Q16	22.40	22.12	22.14	22.50
	15	LOW	Q16	22.22	22.10	22.31	22.50
3	1	LOW	64QAM	22.38	22.18	22.09	22.50
		MID	64QAM	22.30	22.09	22.24	22.50
		HIGH	64QAM	22.18	22.20	22.45	22.50
	8	LOW	64QAM	21.19	21.40	21.09	21.50
		MID	64QAM	21.29	21.47	20.86	21.50
		HIGH	64QAM	21.43	21.31	21.26	21.50
	15	LOW	64QAM	21.35	21.46	21.39	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	23.89	24.01	23.92	24.50
		MID	QPSK	24.02	24.36	24.10	24.50
		HIGH	QPSK	23.93	24.28	24.05	24.50
	12	LOW	QPSK	22.91	23.24	22.98	23.50
		MID	QPSK	23.14	23.35	23.11	23.50
		HIGH	QPSK	23.18	23.27	23.00	23.50
	25	LOW	QPSK	23.29	23.10	23.07	23.50
5	1	LOW	Q16	23.25	23.12	23.30	23.50
		MID	Q16	23.30	23.35	23.33	23.50
		HIGH	Q16	23.30	23.46	23.17	23.50
	12	LOW	Q16	22.20	22.35	21.93	22.50
		MID	Q16	22.24	22.36	22.17	22.50
		HIGH	Q16	22.04	22.28	22.06	22.50
	25	LOW	Q16	22.02	22.39	22.29	22.50
5	1	LOW	64QAM	22.47	22.29	22.13	22.50
		MID	64QAM	22.14	22.18	22.13	22.50
		HIGH	64QAM	22.30	22.25	22.23	22.50
	12	LOW	64QAM	21.29	21.21	21.16	21.50
		MID	64QAM	21.46	21.26	20.82	21.50
		HIGH	64QAM	21.47	21.42	21.31	21.50
	25	LOW	64QAM	21.28	21.48	21.48	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	23.77	23.98	23.85	24.50
		MID	QPSK	24.12	24.19	23.96	24.50
		HIGH	QPSK	24.10	24.16	23.71	24.50
	25	LOW	QPSK	23.23	23.36	23.05	23.50
		MID	QPSK	23.30	23.18	23.09	23.50
		HIGH	QPSK	23.11	23.16	22.91	23.50
	50	LOW	QPSK	23.08	23.29	23.07	23.50
10	1	LOW	Q16	23.37	23.35	23.43	23.50
		MID	Q16	23.31	23.23	23.39	23.50
		HIGH	Q16	23.35	23.43	23.33	23.50
	25	LOW	Q16	22.14	22.35	22.26	22.50
		MID	Q16	22.15	22.16	22.06	22.50
		HIGH	Q16	22.07	22.19	21.90	22.50
	50	LOW	Q16	22.35	22.32	21.98	22.50
10	1	LOW	64QAM	22.24	22.05	22.33	22.50
		MID	64QAM	22.41	22.23	22.10	22.50
		HIGH	64QAM	22.41	22.03	22.30	22.50
	25	LOW	64QAM	21.19	21.23	21.26	21.50
		MID	64QAM	21.19	21.41	21.01	21.50
		HIGH	64QAM	21.38	21.42	21.14	21.50
	50	LOW	64QAM	21.39	21.16	21.28	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	23.77	23.98	23.83	24.50
		MID	QPSK	24.02	24.34	23.91	24.50
		HIGH	QPSK	24.08	24.11	23.88	24.50
	36	LOW	QPSK	22.91	23.06	23.12	23.50
		MID	QPSK	23.33	23.42	23.16	23.50
		HIGH	QPSK	23.08	23.37	22.91	23.50
	75	LOW	QPSK	23.15	23.10	23.21	23.50
15	1	LOW	Q16	23.23	23.24	23.37	23.50
		MID	Q16	23.49	23.16	23.39	23.50
		HIGH	Q16	23.40	23.18	23.38	23.50
	36	LOW	Q16	21.98	22.15	22.28	22.50
		MID	Q16	22.21	22.45	21.93	22.50
		HIGH	Q16	22.29	22.19	21.95	22.50
	75	LOW	Q16	22.33	22.32	22.11	22.50
15	1	LOW	64QAM	22.27	22.18	22.06	22.50
		MID	64QAM	22.26	22.01	22.15	22.50
		HIGH	64QAM	22.21	22.14	22.34	22.50
	36	LOW	64QAM	21.08	21.36	21.26	21.50
		MID	64QAM	21.31	21.26	21.07	21.50
		HIGH	64QAM	21.43	21.33	21.46	21.50
	75	LOW	64QAM	21.32	21.22	21.35	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	24.03	24.25	24.09	24.50
		MID	QPSK	24.07	24.29	24.03	24.50
		HIGH	QPSK	24.15	24.21	23.95	24.50
	50	LOW	QPSK	23.16	23.29	23.24	23.50
		MID	QPSK	23.28	23.30	23.18	23.50
		HIGH	QPSK	23.27	23.25	23.09	23.50
	100	LOW	QPSK	23.27	23.29	23.19	23.50
20	1	LOW	Q16	23.44	23.26	23.50	23.50
		MID	Q16	23.42	23.37	23.44	23.50
		HIGH	Q16	23.48	23.41	23.40	23.50
	50	LOW	Q16	22.16	22.31	22.17	22.50
		MID	Q16	22.28	22.34	22.15	22.50
		HIGH	Q16	22.29	22.28	22.10	22.50
	100	LOW	Q16	22.26	22.30	22.20	22.50
20	1	LOW	64QAM	22.49	22.27	22.31	22.50
		MID	64QAM	22.39	22.25	22.35	22.50
		HIGH	64QAM	22.43	22.27	22.43	22.50
	50	LOW	64QAM	21.25	21.40	21.22	21.50
		MID	64QAM	21.40	21.45	21.05	21.50
		HIGH	64QAM	21.49	21.42	21.35	21.50
	100	LOW	64QAM	21.41	21.37	21.37	21.50

LTE B5-Level 2 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.98	24.06	24.14	24.50
		MID	QPSK	24.05	24.14	24.01	24.50
		HIGH	QPSK	24.22	24.02	23.90	24.50
	3	LOW	QPSK	24.11	24.08	24.00	24.50
		MID	QPSK	24.00	24.17	23.70	24.50
		HIGH	QPSK	24.29	24.12	23.66	24.50
	6	LOW	QPSK	23.25	23.22	23.21	23.50
1.4	1	LOW	Q16	23.46	23.19	23.38	23.50
		MID	Q16	23.21	23.25	23.37	23.50
		HIGH	Q16	23.34	23.29	23.19	23.50
	3	LOW	Q16	23.32	22.91	23.45	23.50
		MID	Q16	23.17	23.11	23.26	23.50
		HIGH	Q16	23.24	23.27	23.40	23.50
	6	LOW	Q16	22.04	22.37	21.98	22.50
1.4	1	LOW	64QAM	22.27	21.78	22.15	22.50
		MID	64QAM	22.35	21.74	22.22	22.50
		HIGH	64QAM	22.15	21.67	22.31	22.50
	3	LOW	64QAM	21.19	21.34	21.28	22.50
		MID	64QAM	21.34	21.54	20.94	22.50
		HIGH	64QAM	21.38	21.36	21.22	22.50
	6	LOW	64QAM	21.32	21.16	21.28	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	23.84	24.10	23.99	24.50
		MID	QPSK	24.19	24.39	23.93	24.50
		HIGH	QPSK	23.88	24.19	23.69	24.50
	8	LOW	QPSK	23.04	23.24	22.98	23.50
		MID	QPSK	23.40	23.21	23.25	23.50
		HIGH	QPSK	23.13	23.13	23.11	23.50
	15	LOW	QPSK	23.34	23.38	23.31	23.50
3	1	LOW	Q16	23.28	23.28	23.37	23.50
		MID	Q16	23.30	23.23	23.49	23.50
		HIGH	Q16	23.48	23.30	23.26	23.50
	8	LOW	Q16	21.92	22.09	22.24	22.50
		MID	Q16	22.17	22.18	22.15	22.50
		HIGH	Q16	22.40	22.12	22.14	22.50
	15	LOW	Q16	22.22	22.10	22.31	22.50
3	1	LOW	64QAM	22.38	22.18	22.09	22.50
		MID	64QAM	22.30	22.09	22.24	22.50
		HIGH	64QAM	22.18	22.20	22.45	22.50
	8	LOW	64QAM	21.19	21.40	21.09	21.50
		MID	64QAM	21.29	21.47	20.86	21.50
		HIGH	64QAM	21.43	21.31	21.26	21.50
	15	LOW	64QAM	21.35	21.46	21.39	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	23.89	24.01	23.92	24.50
		MID	QPSK	24.02	24.36	24.10	24.50
		HIGH	QPSK	23.93	24.28	24.05	24.50
	12	LOW	QPSK	22.91	23.24	22.98	23.50
		MID	QPSK	23.14	23.35	23.11	23.50
		HIGH	QPSK	23.18	23.27	23.00	23.50
	25	LOW	QPSK	23.29	23.10	23.07	23.50
5	1	LOW	Q16	23.25	23.12	23.30	23.50
		MID	Q16	23.30	23.35	23.33	23.50
		HIGH	Q16	23.30	23.46	23.17	23.50
	12	LOW	Q16	22.20	22.35	21.93	22.50
		MID	Q16	22.24	22.36	22.17	22.50
		HIGH	Q16	22.04	22.28	22.06	22.50
	25	LOW	Q16	22.02	22.39	22.29	22.50
5	1	LOW	64QAM	22.47	22.29	22.13	22.50
		MID	64QAM	22.14	22.18	22.13	22.50
		HIGH	64QAM	22.30	22.25	22.23	22.50
	12	LOW	64QAM	21.29	21.21	21.16	21.50
		MID	64QAM	21.46	21.26	20.82	21.50
		HIGH	64QAM	21.47	21.42	21.31	21.50
	25	LOW	64QAM	21.28	21.48	21.48	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	23.77	23.98	23.85	24.50
		MID	QPSK	24.12	24.19	23.96	24.50
		HIGH	QPSK	24.10	24.16	23.71	24.50
	25	LOW	QPSK	23.23	23.36	23.05	23.50
		MID	QPSK	23.30	23.18	23.09	23.50
		HIGH	QPSK	23.11	23.16	22.91	23.50
	50	LOW	QPSK	23.08	23.29	23.07	23.50
10	1	LOW	Q16	23.37	23.35	23.43	23.50
		MID	Q16	23.31	23.23	23.39	23.50
		HIGH	Q16	23.35	23.43	23.33	23.50
	25	LOW	Q16	22.14	22.35	22.26	22.50
		MID	Q16	22.15	22.16	22.06	22.50
		HIGH	Q16	22.07	22.19	21.90	22.50
	50	LOW	Q16	22.35	22.32	21.98	22.50
10	1	LOW	64QAM	22.24	22.05	22.33	22.50
		MID	64QAM	22.41	22.23	22.10	22.50
		HIGH	64QAM	22.41	22.03	22.30	22.50
	25	LOW	64QAM	21.19	21.23	21.26	21.50
		MID	64QAM	21.19	21.41	21.01	21.50
		HIGH	64QAM	21.38	21.42	21.14	21.50
	50	LOW	64QAM	21.39	21.16	21.28	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	23.77	23.98	23.83	24.50
		MID	QPSK	24.02	24.34	23.91	24.50
		HIGH	QPSK	24.08	24.11	23.88	24.50
	36	LOW	QPSK	22.91	23.06	23.12	23.50
		MID	QPSK	23.33	23.42	23.16	23.50
		HIGH	QPSK	23.08	23.37	22.91	23.50
	75	LOW	QPSK	23.15	23.10	23.21	23.50
15	1	LOW	Q16	23.23	23.24	23.37	23.50
		MID	Q16	23.49	23.16	23.39	23.50
		HIGH	Q16	23.40	23.18	23.38	23.50
	36	LOW	Q16	21.98	22.15	22.28	22.50
		MID	Q16	22.21	22.45	21.93	22.50
		HIGH	Q16	22.29	22.19	21.95	22.50
	75	LOW	Q16	22.33	22.32	22.11	22.50
15	1	LOW	64QAM	22.27	22.18	22.06	22.50
		MID	64QAM	22.26	22.01	22.15	22.50
		HIGH	64QAM	22.21	22.14	22.34	22.50
	36	LOW	64QAM	21.08	21.36	21.26	21.50
		MID	64QAM	21.31	21.26	21.07	21.50
		HIGH	64QAM	21.43	21.33	21.46	21.50
	75	LOW	64QAM	21.32	21.22	21.35	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	24.03	24.25	24.09	24.50
		MID	QPSK	24.07	24.29	24.03	24.50
		HIGH	QPSK	24.15	24.21	23.95	24.50
	50	LOW	QPSK	23.16	23.29	23.24	23.50
		MID	QPSK	23.28	23.30	23.18	23.50
		HIGH	QPSK	23.27	23.25	23.09	23.50
	100	LOW	QPSK	23.27	23.29	23.19	23.50
20	1	LOW	Q16	23.44	23.26	23.50	23.50
		MID	Q16	23.42	23.37	23.44	23.50
		HIGH	Q16	23.48	23.41	23.40	23.50
	50	LOW	Q16	22.16	22.31	22.17	22.50
		MID	Q16	22.28	22.34	22.15	22.50
		HIGH	Q16	22.29	22.28	22.10	22.50
	100	LOW	Q16	22.26	22.30	22.20	22.50
20	1	LOW	64QAM	22.49	22.27	22.31	22.50
		MID	64QAM	22.39	22.25	22.35	22.50
		HIGH	64QAM	22.43	22.27	22.43	22.50
	50	LOW	64QAM	21.25	21.40	21.22	21.50
		MID	64QAM	21.40	21.45	21.05	21.50
		HIGH	64QAM	21.49	21.42	21.35	21.50
	100	LOW	64QAM	21.41	21.37	21.37	21.50

8.3.2 LTE Band4 Output Power

LTE B4-Level 1 -Ant.4							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.44	18.55	18.63	19.00
		MID	QPSK	18.24	18.53	18.27	19.00
		HIGH	QPSK	18.50	18.56	18.42	19.00
	3	LOW	QPSK	18.51	18.48	18.50	19.00
		MID	QPSK	18.21	18.42	18.48	19.00
		HIGH	QPSK	18.51	18.24	18.32	19.00
1.4	1	LOW	QPSK	17.46	17.52	17.57	18.00
	3	LOW	Q16	17.66	17.75	17.78	18.00
		MID	Q16	17.55	17.72	17.45	18.00
		HIGH	Q16	17.76	17.73	17.92	18.00
	3	LOW	Q16	17.57	17.52	17.77	18.00
		MID	Q16	17.50	17.79	17.45	18.00
1.4	1	HIGH	Q16	17.54	17.50	17.79	18.00
	3	LOW	Q16	16.61	16.55	16.41	17.00
		MID	64QAM	16.99	16.78	17.00	17.00
		HIGH	64QAM	16.67	16.66	16.45	17.00
	3	LOW	64QAM	16.78	16.81	16.91	17.00
		MID	64QAM	16.83	16.71	16.98	17.00
1.4	1	HIGH	64QAM	16.57	16.68	16.67	17.00
		MID	64QAM	16.79	16.73	16.82	17.00
		LOW	64QAM	15.85	15.66	15.69	16.00
	3	LOW	QPSK	18.57	18.58	18.39	19.00
		MID	QPSK	18.47	18.44	18.27	19.00
		HIGH	QPSK	18.37	18.35	18.42	19.00
3	8	LOW	QPSK	17.38	17.62	17.57	18.00
		MID	QPSK	17.61	17.54	17.37	18.00
		HIGH	QPSK	17.70	17.51	17.43	18.00
	15	LOW	QPSK	17.42	17.37	17.46	18.00
		MID	Q16	17.55	17.79	17.73	18.00
		HIGH	Q16	17.76	17.58	17.70	18.00
3	8	LOW	Q16	17.64	17.64	17.76	18.00
		MID	Q16	16.45	16.66	16.65	17.00
		HIGH	Q16	16.59	16.64	16.66	17.00
	15	LOW	Q16	16.45	16.42	16.33	17.00
		MID	Q16	16.65	16.53	16.62	17.00
		HIGH	Q16	16.85	16.69	16.81	17.00
3	8	LOW	64QAM	16.84	16.81	16.45	17.00
		MID	64QAM	16.96	16.70	16.94	17.00
		HIGH	64QAM	15.54	15.70	15.89	16.00
	15	LOW	64QAM	15.87	15.72	15.75	16.00
		MID	64QAM	15.85	15.74	15.66	16.00
		HIGH	64QAM	15.72	15.64	15.58	16.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	18.52	18.34	18.63	19.00
		MID	QPSK	18.23	18.62	18.33	19.00
		HIGH	QPSK	18.55	18.48	18.42	19.00
	12	LOW	QPSK	17.45	17.60	17.45	18.00
		MID	QPSK	17.70	17.56	17.34	18.00
		HIGH	QPSK	17.65	17.48	17.46	18.00
	25	LOW	QPSK	17.56	17.54	17.46	18.00
5	1	LOW	Q16	17.69	17.79	17.64	18.00
		MID	Q16	17.62	17.69	17.56	18.00
		HIGH	Q16	17.78	17.46	17.85	18.00
	12	LOW	Q16	16.57	16.58	16.48	17.00
		MID	Q16	16.52	16.54	16.40	17.00
		HIGH	Q16	16.70	16.59	16.54	17.00
	25	LOW	Q16	16.51	16.67	16.51	17.00
5	1	LOW	64QAM	16.97	16.85	16.87	17.00
		MID	64QAM	16.76	16.68	16.59	17.00
		HIGH	64QAM	16.74	16.79	16.94	17.00
	12	LOW	64QAM	15.65	15.78	15.95	16.00
		MID	64QAM	15.73	15.64	15.86	16.00
		HIGH	64QAM	15.66	15.84	15.57	16.00
	25	LOW	64QAM	15.72	15.77	15.67	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	18.46	18.42	18.37	19.00
		MID	QPSK	18.26	18.46	18.46	19.00
		HIGH	QPSK	18.52	18.41	18.18	19.00
	25	LOW	QPSK	17.40	17.62	17.52	18.00
		MID	QPSK	17.49	17.53	17.37	18.00
		HIGH	QPSK	17.54	17.60	17.40	18.00
	50	LOW	QPSK	17.64	17.40	17.44	18.00
10	1	LOW	Q16	17.64	17.55	17.59	18.00
		MID	Q16	17.60	17.78	17.50	18.00
		HIGH	Q16	17.66	17.50	17.83	18.00
	25	LOW	Q16	16.59	16.56	16.58	17.00
		MID	Q16	16.46	16.57	16.58	17.00
		HIGH	Q16	16.50	16.52	16.49	17.00
	50	LOW	Q16	16.50	16.63	16.61	17.00
10	1	LOW	64QAM	16.83	16.81	16.76	17.00
		MID	64QAM	16.65	16.85	16.69	17.00
		HIGH	64QAM	16.91	16.89	16.88	17.00
	25	LOW	64QAM	15.48	15.82	15.73	16.00
		MID	64QAM	15.79	15.78	15.81	16.00
		HIGH	64QAM	15.67	15.80	15.62	16.00
	50	LOW	64QAM	15.78	15.56	15.51	16.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	18.56	18.42	18.60	19.00
		MID	QPSK	18.24	18.51	18.37	19.00
		HIGH	QPSK	18.28	18.33	18.44	19.00
	36	LOW	QPSK	17.49	17.40	17.52	18.00
		MID	QPSK	17.67	17.65	17.55	18.00
		HIGH	QPSK	17.68	17.55	17.34	18.00
	75	LOW	QPSK	17.49	17.38	17.53	18.00
15	1	LOW	Q16	17.69	17.61	17.73	18.00
		MID	Q16	17.62	17.67	17.52	18.00
		HIGH	Q16	17.78	17.46	17.98	18.00
	36	LOW	Q16	16.34	16.64	16.52	17.00
		MID	Q16	16.41	16.65	16.40	17.00
		HIGH	Q16	16.53	16.57	16.41	17.00
	75	LOW	Q16	16.55	16.68	16.61	17.00
15	1	LOW	64QAM	16.95	16.71	16.90	17.00
		MID	64QAM	16.69	16.68	16.55	17.00
		HIGH	64QAM	16.88	16.89	16.89	17.00
	36	LOW	64QAM	15.62	15.62	15.73	16.00
		MID	64QAM	15.70	15.81	15.75	16.00
		HIGH	64QAM	15.89	15.65	15.69	16.00
	75	LOW	64QAM	15.66	15.66	15.61	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	18.50	18.51	18.54	19.00
		MID	QPSK	18.41	18.55	18.44	19.00
		HIGH	QPSK	18.48	18.50	18.38	19.00
	50	LOW	QPSK	17.58	17.56	17.59	18.00
		MID	QPSK	17.58	17.65	17.53	18.00
		HIGH	QPSK	17.55	17.61	17.43	18.00
	100	LOW	QPSK	17.56	17.60	17.53	18.00
20	1	LOW	Q16	17.73	17.75	17.71	18.00
		MID	Q16	17.71	17.74	17.61	18.00
		HIGH	Q16	17.80	17.64	17.94	18.00
	50	LOW	Q16	16.52	16.61	16.60	17.00
		MID	Q16	16.59	16.62	16.58	17.00
		HIGH	Q16	16.63	16.57	16.46	17.00
	100	LOW	Q16	16.63	16.60	16.54	17.00
20	1	LOW	64QAM	16.97	16.88	16.95	17.00
		MID	64QAM	16.84	16.78	16.62	17.00
		HIGH	64QAM	16.88	16.89	16.96	17.00
	50	LOW	64QAM	15.65	15.76	15.87	16.00
		MID	64QAM	15.79	15.75	15.86	16.00
		HIGH	64QAM	15.83	15.82	15.71	16.00
	100	LOW	64QAM	15.83	15.72	15.64	16.00

LTE B4-Level 2 -Ant.4							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.51	23.67	23.94	24.00
		MID	QPSK	23.69	23.82	23.82	24.00
		HIGH	QPSK	23.87	23.80	23.93	24.00
	3	LOW	QPSK	23.63	23.69	23.65	24.00
		MID	QPSK	23.79	23.84	23.74	24.00
		HIGH	QPSK	23.94	23.96	23.86	24.00
1.4	1	LOW	QPSK	22.85	22.99	22.75	23.00
	3	LOW	Q16	22.65	22.70	22.78	23.00
		MID	Q16	22.69	22.79	22.89	23.00
		HIGH	Q16	22.83	22.92	22.81	23.00
	3	LOW	Q16	22.86	22.73	22.73	23.00
		MID	Q16	22.71	22.70	22.94	23.00
1.4	1	LOW	Q16	22.88	22.57	22.82	23.00
		MID	Q16	21.82	21.88	21.71	22.00
		HIGH	Q16	21.80	21.78	21.90	22.00
	3	LOW	64QAM	21.89	21.70	21.88	22.00
		MID	64QAM	21.88	21.94	21.59	22.00
		HIGH	64QAM	21.38	21.74	21.77	22.00
1.4	1	LOW	64QAM	21.87	21.78	21.64	22.00
		MID	64QAM	21.66	21.89	21.59	22.00
		HIGH	64QAM	20.95	20.73	20.88	21.00
	3	LOW	64QAM	20.95	20.73	20.88	21.00
		MID	64QAM	20.95	20.73	20.88	21.00
		HIGH	64QAM	20.95	20.73	20.88	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	23.84	23.86	23.79	24.00
		MID	QPSK	23.89	23.96	23.94	24.00
		HIGH	QPSK	23.68	23.79	23.65	24.00
	8	LOW	QPSK	22.86	22.84	22.99	23.00
		MID	QPSK	22.82	22.87	22.82	23.00
		HIGH	QPSK	22.68	22.72	22.99	23.00
3	1	LOW	QPSK	22.85	22.99	22.82	23.00
		MID	Q16	22.85	22.84	22.85	23.00
		HIGH	Q16	22.87	22.93	22.75	23.00
	8	LOW	Q16	22.88	22.74	22.78	23.00
		MID	Q16	21.74	21.89	21.97	22.00
		HIGH	Q16	21.89	21.91	21.86	22.00
3	1	LOW	Q16	21.64	21.86	21.82	22.00
		MID	Q16	21.82	21.86	21.77	22.00
		HIGH	Q16	21.82	21.86	21.77	22.00
	8	LOW	64QAM	21.56	21.80	21.70	22.00
		MID	64QAM	21.98	21.94	21.97	22.00
		HIGH	64QAM	21.92	21.72	21.66	22.00
3	1	LOW	64QAM	20.68	20.69	20.84	21.00
		MID	64QAM	20.61	20.87	20.88	21.00
		HIGH	64QAM	20.70	20.78	20.69	21.00
	15	LOW	64QAM	20.74	20.93	20.65	21.00
		MID	64QAM	20.74	20.93	20.65	21.00
		HIGH	64QAM	20.74	20.93	20.65	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	23.89	23.91	23.79	24.00
		MID	QPSK	23.81	23.70	23.63	24.00
		HIGH	QPSK	23.70	23.86	23.72	24.00
	12	LOW	QPSK	22.74	22.75	22.83	23.00
		MID	QPSK	22.87	22.80	22.70	23.00
		HIGH	QPSK	22.77	22.88	22.85	23.00
	25	LOW	QPSK	22.90	22.80	22.94	23.00
5	1	LOW	Q16	22.81	22.80	22.80	23.00
		MID	Q16	22.81	22.91	22.64	23.00
		HIGH	Q16	22.79	22.74	22.83	23.00
	12	LOW	Q16	21.81	21.89	21.95	22.00
		MID	Q16	21.93	21.76	21.88	22.00
		HIGH	Q16	21.84	21.84	21.80	22.00
	25	LOW	Q16	21.73	21.95	21.71	22.00
5	1	LOW	64QAM	21.60	21.65	21.85	22.00
		MID	64QAM	21.80	21.72	21.86	22.00
		HIGH	64QAM	21.79	21.92	21.83	22.00
	12	LOW	64QAM	20.95	20.80	20.78	21.00
		MID	64QAM	20.80	20.76	20.82	21.00
		HIGH	64QAM	20.74	20.90	20.73	21.00
	25	LOW	64QAM	20.64	20.89	20.96	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	23.53	23.74	23.88	24.00
		MID	QPSK	23.81	23.84	23.96	24.00
		HIGH	QPSK	23.96	23.95	23.93	24.00
	25	LOW	QPSK	22.78	22.98	22.99	23.00
		MID	QPSK	22.82	22.73	22.84	23.00
		HIGH	QPSK	22.93	22.93	22.76	23.00
	50	LOW	QPSK	22.81	22.69	22.91	23.00
10	1	LOW	Q16	22.67	22.88	22.66	23.00
		MID	Q16	22.69	22.95	22.66	23.00
		HIGH	Q16	22.86	22.96	22.85	23.00
	25	LOW	Q16	21.87	21.83	21.77	22.00
		MID	Q16	21.87	21.98	21.90	22.00
		HIGH	Q16	21.95	21.88	21.82	22.00
	50	LOW	Q16	21.93	21.86	21.86	22.00
10	1	LOW	64QAM	21.53	21.89	21.87	22.00
		MID	64QAM	21.80	21.94	21.77	22.00
		HIGH	64QAM	21.92	21.92	21.94	22.00
	25	LOW	64QAM	20.76	20.84	20.91	21.00
		MID	64QAM	20.76	20.89	20.73	21.00
		HIGH	64QAM	20.76	20.57	20.73	21.00
	50	LOW	64QAM	20.68	20.60	20.75	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	23.53	23.81	23.91	24.00
		MID	QPSK	23.86	23.75	23.91	24.00
		HIGH	QPSK	23.82	23.83	23.62	24.00
	36	LOW	QPSK	22.76	22.68	22.71	23.00
		MID	QPSK	22.61	22.85	22.86	23.00
		HIGH	QPSK	22.79	22.68	22.85	23.00
	75	LOW	QPSK	22.85	22.92	22.71	23.00
15	1	LOW	Q16	22.85	22.84	22.66	23.00
		MID	Q16	22.89	22.93	22.89	23.00
		HIGH	Q16	22.88	22.67	22.87	23.00
	36	LOW	Q16	21.76	21.80	21.92	22.00
		MID	Q16	21.82	21.83	21.90	22.00
		HIGH	Q16	21.97	21.88	21.84	22.00
	75	LOW	Q16	21.69	21.88	21.82	22.00
15	1	LOW	64QAM	21.60	21.78	21.61	22.00
		MID	64QAM	21.87	21.74	21.62	22.00
		HIGH	64QAM	21.70	21.88	21.90	22.00
	36	LOW	64QAM	20.91	20.90	20.80	21.00
		MID	64QAM	20.82	20.89	20.71	21.00
		HIGH	64QAM	20.91	20.90	20.82	21.00
	75	LOW	64QAM	20.66	20.83	20.92	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	23.77	23.93	23.96	24.00
		MID	QPSK	23.91	23.94	23.89	24.00
		HIGH	QPSK	23.94	23.93	23.86	24.00
	50	LOW	QPSK	22.90	22.90	22.94	23.00
		MID	QPSK	22.82	22.92	22.95	23.00
		HIGH	QPSK	22.84	22.89	22.94	23.00
	100	LOW	QPSK	22.90	22.94	22.96	23.00
20	1	LOW	Q16	22.74	22.93	22.80	23.00
		MID	Q16	22.94	22.86	22.82	23.00
		HIGH	Q16	22.97	22.85	22.94	23.00
	50	LOW	Q16	21.94	21.98	21.99	22.00
		MID	Q16	22.00	21.98	21.99	22.00
		HIGH	Q16	21.86	21.95	21.93	22.00
	100	LOW	Q16	21.82	21.97	21.95	22.00
20	1	LOW	64QAM	21.73	21.87	21.83	22.00
		MID	64QAM	21.98	21.85	21.86	22.00
		HIGH	64QAM	21.88	21.92	21.83	22.00
	50	LOW	64QAM	20.91	20.90	20.97	21.00
		MID	64QAM	20.84	20.97	20.92	21.00
		HIGH	64QAM	20.91	20.80	20.88	21.00
	100	LOW	64QAM	20.87	20.83	20.88	21.00

LTE B4-Level 1 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.45	23.42	23.60	24.00
		MID	QPSK	23.62	23.68	23.50	24.00
		HIGH	QPSK	23.64	23.56	23.46	24.00
	3	LOW	QPSK	22.73	22.48	22.54	23.00
		MID	QPSK	22.54	22.42	22.56	23.00
		HIGH	QPSK	22.59	22.48	22.46	23.00
6	LOW	QPSK	22.55	22.50	22.42	23.00	
1.4	1	LOW	Q16	22.54	22.78	22.80	23.00
		MID	Q16	22.78	22.69	22.80	23.00
		HIGH	Q16	22.84	22.84	22.58	23.00
	3	LOW	Q16	21.60	21.78	21.56	22.00
		MID	Q16	21.85	21.78	21.48	22.00
		HIGH	Q16	21.63	21.44	21.67	22.00
6	LOW	Q16	21.82	21.68	21.65	22.00	
1.4	1	LOW	64QAM	21.66	21.63	21.68	22.00
		MID	64QAM	21.85	21.58	21.95	22.00
		HIGH	64QAM	21.84	21.42	21.87	22.00
	3	LOW	64QAM	20.26	20.55	20.37	21.00
		MID	64QAM	20.66	20.61	20.72	21.00
		HIGH	64QAM	20.52	20.43	20.44	21.00
6	LOW	64QAM	20.59	20.44	20.70	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	23.20	23.39	23.41	24.00
		MID	QPSK	23.51	23.63	23.45	24.00
		HIGH	QPSK	23.55	23.44	23.32	24.00
	8	LOW	QPSK	22.66	22.73	22.76	23.00
		MID	QPSK	22.61	22.42	22.49	23.00
		HIGH	QPSK	22.50	22.59	22.69	23.00
15	LOW	QPSK	22.87	22.57	22.37	23.00	
3	1	LOW	Q16	22.56	22.76	22.68	23.00
		MID	Q16	22.76	22.90	22.75	23.00
		HIGH	Q16	22.61	22.82	22.72	23.00
	8	LOW	Q16	21.69	21.69	21.50	22.00
		MID	Q16	21.85	21.67	21.53	22.00
		HIGH	Q16	21.63	21.53	21.59	22.00
15	LOW	Q16	21.73	21.68	21.45	22.00	
3	1	LOW	64QAM	21.64	21.56	21.70	22.00
		MID	64QAM	21.87	21.64	21.86	22.00
		HIGH	64QAM	21.78	21.31	21.89	22.00
	8	LOW	64QAM	20.28	20.51	20.29	21.00
		MID	64QAM	20.52	20.47	20.64	21.00
		HIGH	64QAM	20.85	20.43	20.32	21.00
15	LOW	64QAM	20.47	20.32	20.90	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	23.10	23.56	23.58	24.00
		MID	QPSK	23.48	23.37	23.59	24.00
		HIGH	QPSK	23.40	23.61	23.46	24.00
	12	LOW	QPSK	22.52	22.48	22.49	23.00
		MID	QPSK	22.84	22.47	22.58	23.00
		HIGH	QPSK	22.75	22.75	22.55	23.00
	25	LOW	QPSK	22.62	22.73	22.46	23.00
5	1	LOW	Q16	22.86	22.98	22.98	23.00
		MID	Q16	22.76	22.78	22.64	23.00
		HIGH	Q16	22.88	22.52	22.60	23.00
	12	LOW	Q16	21.76	21.56	21.69	22.00
		MID	Q16	21.63	21.78	21.72	22.00
		HIGH	Q16	21.61	21.72	21.65	22.00
	25	LOW	Q16	21.82	21.77	21.56	22.00
5	1	LOW	64QAM	21.95	21.35	21.78	22.00
		MID	64QAM	21.71	21.78	21.95	22.00
		HIGH	64QAM	21.69	21.59	21.82	22.00
	12	LOW	64QAM	20.44	20.63	20.53	21.00
		MID	64QAM	20.64	20.34	20.74	21.00
		HIGH	64QAM	20.56	20.45	20.36	21.00
	25	LOW	64QAM	20.49	20.26	20.74	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	23.22	23.72	23.44	24.00
		MID	QPSK	23.36	23.54	23.62	24.00
		HIGH	QPSK	23.38	23.61	23.65	24.00
	25	LOW	QPSK	22.57	22.73	22.60	23.00
		MID	QPSK	22.79	22.63	22.56	23.00
		HIGH	QPSK	22.47	22.66	22.71	23.00
	50	LOW	QPSK	22.85	22.57	22.73	23.00
10	1	LOW	Q16	22.79	22.73	22.91	23.00
		MID	Q16	22.85	22.87	22.61	23.00
		HIGH	Q16	22.70	22.64	22.72	23.00
	25	LOW	Q16	21.60	21.73	21.45	22.00
		MID	Q16	21.61	21.58	21.46	22.00
		HIGH	Q16	21.85	21.66	21.69	22.00
	50	LOW	Q16	21.73	21.46	21.47	22.00
10	1	LOW	64QAM	21.77	21.45	21.96	22.00
		MID	64QAM	21.85	21.80	21.75	22.00
		HIGH	64QAM	21.80	21.53	21.56	22.00
	25	LOW	64QAM	20.22	20.65	20.41	21.00
		MID	64QAM	20.49	20.36	20.49	21.00
		HIGH	64QAM	20.67	20.27	20.20	21.00
	50	LOW	64QAM	20.35	20.30	20.88	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	23.36	23.75	23.48	24.00
		MID	QPSK	23.34	23.42	23.52	24.00
		HIGH	QPSK	23.73	23.52	23.44	24.00
	36	LOW	QPSK	22.46	22.57	22.45	23.00
		MID	QPSK	22.58	22.47	22.47	23.00
		HIGH	QPSK	22.77	22.52	22.57	23.00
	75	LOW	QPSK	22.57	22.73	22.39	23.00
15	1	LOW	Q16	22.84	22.80	22.91	23.00
		MID	Q16	22.62	22.76	22.80	23.00
		HIGH	Q16	22.72	22.68	22.92	23.00
	36	LOW	Q16	21.67	21.54	21.56	22.00
		MID	Q16	21.78	21.67	21.77	22.00
		HIGH	Q16	21.72	21.75	21.76	22.00
	75	LOW	Q16	21.58	21.68	21.58	22.00
15	1	LOW	64QAM	21.71	21.52	21.96	22.00
		MID	64QAM	21.56	21.64	21.99	22.00
		HIGH	64QAM	21.80	21.49	21.87	22.00
	36	LOW	64QAM	20.42	20.63	20.26	21.00
		MID	64QAM	20.66	20.36	20.76	21.00
		HIGH	64QAM	20.67	20.39	20.50	21.00
	75	LOW	64QAM	20.57	20.50	20.90	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	23.36	23.63	23.65	24.00
		MID	QPSK	23.60	23.61	23.57	24.00
		HIGH	QPSK	23.64	23.61	23.53	24.00
	50	LOW	QPSK	22.65	22.64	22.66	23.00
		MID	QPSK	22.67	22.65	22.79	23.00
		HIGH	QPSK	22.62	22.68	22.70	23.00
	100	LOW	QPSK	22.62	22.68	22.78	23.00
20	1	LOW	Q16	22.79	22.87	22.89	23.00
		MID	Q16	22.85	22.92	22.75	23.00
		HIGH	Q16	22.86	22.75	22.83	23.00
	50	LOW	Q16	21.67	21.69	21.67	22.00
		MID	Q16	21.76	21.71	21.68	22.00
		HIGH	Q16	21.74	21.66	21.65	22.00
	100	LOW	Q16	21.80	21.68	21.67	22.00
20	1	LOW	64QAM	21.86	21.54	21.85	22.00
		MID	64QAM	21.78	21.71	21.95	22.00
		HIGH	64QAM	21.93	21.55	21.78	22.00
	50	LOW	64QAM	20.34	20.59	20.49	21.00
		MID	64QAM	20.66	20.57	20.68	21.00
		HIGH	64QAM	20.75	20.43	20.40	21.00
	100	LOW	64QAM	20.49	20.46	20.82	21.00

LTE B4-Level 2 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.45	23.42	23.60	24.00
		MID	QPSK	23.62	23.68	23.50	24.00
		HIGH	QPSK	23.64	23.56	23.46	24.00
	3	LOW	QPSK	22.73	22.48	22.54	23.00
		MID	QPSK	22.54	22.42	22.56	23.00
		HIGH	QPSK	22.59	22.48	22.46	23.00
6	LOW	QPSK	22.55	22.50	22.42	23.00	
1.4	1	LOW	Q16	22.54	22.78	22.80	23.00
		MID	Q16	22.78	22.69	22.80	23.00
		HIGH	Q16	22.84	22.84	22.58	23.00
	3	LOW	Q16	21.60	21.78	21.56	22.00
		MID	Q16	21.85	21.78	21.48	22.00
		HIGH	Q16	21.63	21.44	21.67	22.00
6	LOW	Q16	21.82	21.68	21.65	22.00	
1.4	1	LOW	64QAM	21.66	21.63	21.68	22.00
		MID	64QAM	21.85	21.58	21.95	22.00
		HIGH	64QAM	21.84	21.42	21.87	22.00
	3	LOW	64QAM	20.26	20.55	20.37	21.00
		MID	64QAM	20.66	20.61	20.72	21.00
		HIGH	64QAM	20.52	20.43	20.44	21.00
6	LOW	64QAM	20.59	20.44	20.70	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	23.20	23.39	23.41	24.00
		MID	QPSK	23.51	23.63	23.45	24.00
		HIGH	QPSK	23.55	23.44	23.32	24.00
	8	LOW	QPSK	22.66	22.73	22.76	23.00
		MID	QPSK	22.61	22.42	22.49	23.00
		HIGH	QPSK	22.50	22.59	22.69	23.00
15	LOW	QPSK	22.87	22.57	22.37	23.00	
3	1	LOW	Q16	22.56	22.76	22.68	23.00
		MID	Q16	22.76	22.90	22.75	23.00
		HIGH	Q16	22.61	22.82	22.72	23.00
	8	LOW	Q16	21.69	21.69	21.50	22.00
		MID	Q16	21.85	21.67	21.53	22.00
		HIGH	Q16	21.63	21.53	21.59	22.00
15	LOW	Q16	21.73	21.68	21.45	22.00	
3	1	LOW	64QAM	21.64	21.56	21.70	22.00
		MID	64QAM	21.87	21.64	21.86	22.00
		HIGH	64QAM	21.78	21.31	21.89	22.00
	8	LOW	64QAM	20.28	20.51	20.29	21.00
		MID	64QAM	20.52	20.47	20.64	21.00
		HIGH	64QAM	20.85	20.43	20.32	21.00
15	LOW	64QAM	20.47	20.32	20.90	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	23.10	23.56	23.58	24.00
		MID	QPSK	23.48	23.37	23.59	24.00
		HIGH	QPSK	23.40	23.61	23.46	24.00
	12	LOW	QPSK	22.52	22.48	22.49	23.00
		MID	QPSK	22.84	22.47	22.58	23.00
		HIGH	QPSK	22.75	22.75	22.55	23.00
	25	LOW	QPSK	22.62	22.73	22.46	23.00
5	1	LOW	Q16	22.86	22.98	22.98	23.00
		MID	Q16	22.76	22.78	22.64	23.00
		HIGH	Q16	22.88	22.52	22.60	23.00
	12	LOW	Q16	21.76	21.56	21.69	22.00
		MID	Q16	21.63	21.78	21.72	22.00
		HIGH	Q16	21.61	21.72	21.65	22.00
	25	LOW	Q16	21.82	21.77	21.56	22.00
5	1	LOW	64QAM	21.95	21.35	21.78	22.00
		MID	64QAM	21.71	21.78	21.95	22.00
		HIGH	64QAM	21.69	21.59	21.82	22.00
	12	LOW	64QAM	20.44	20.63	20.53	21.00
		MID	64QAM	20.64	20.34	20.74	21.00
		HIGH	64QAM	20.56	20.45	20.36	21.00
	25	LOW	64QAM	20.49	20.26	20.74	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	23.22	23.72	23.44	24.00
		MID	QPSK	23.36	23.54	23.62	24.00
		HIGH	QPSK	23.38	23.61	23.65	24.00
	25	LOW	QPSK	22.57	22.73	22.60	23.00
		MID	QPSK	22.79	22.63	22.56	23.00
		HIGH	QPSK	22.47	22.66	22.71	23.00
	50	LOW	QPSK	22.85	22.57	22.73	23.00
10	1	LOW	Q16	22.79	22.73	22.91	23.00
		MID	Q16	22.85	22.87	22.61	23.00
		HIGH	Q16	22.70	22.64	22.72	23.00
	25	LOW	Q16	21.60	21.73	21.45	22.00
		MID	Q16	21.61	21.58	21.46	22.00
		HIGH	Q16	21.85	21.66	21.69	22.00
	50	LOW	Q16	21.73	21.46	21.47	22.00
10	1	LOW	64QAM	21.77	21.45	21.96	22.00
		MID	64QAM	21.85	21.80	21.75	22.00
		HIGH	64QAM	21.80	21.53	21.56	22.00
	25	LOW	64QAM	20.22	20.65	20.41	21.00
		MID	64QAM	20.49	20.36	20.49	21.00
		HIGH	64QAM	20.67	20.27	20.20	21.00
	50	LOW	64QAM	20.35	20.30	20.88	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	23.36	23.75	23.48	24.00
		MID	QPSK	23.34	23.42	23.52	24.00
		HIGH	QPSK	23.73	23.52	23.44	24.00
	36	LOW	QPSK	22.46	22.57	22.45	23.00
		MID	QPSK	22.58	22.47	22.47	23.00
		HIGH	QPSK	22.77	22.52	22.57	23.00
	75	LOW	QPSK	22.57	22.73	22.39	23.00
15	1	LOW	Q16	22.84	22.80	22.91	23.00
		MID	Q16	22.62	22.76	22.80	23.00
		HIGH	Q16	22.72	22.68	22.92	23.00
	36	LOW	Q16	21.67	21.54	21.56	22.00
		MID	Q16	21.78	21.67	21.77	22.00
		HIGH	Q16	21.72	21.75	21.76	22.00
	75	LOW	Q16	21.58	21.68	21.58	22.00
15	1	LOW	64QAM	21.71	21.52	21.96	22.00
		MID	64QAM	21.56	21.64	21.99	22.00
		HIGH	64QAM	21.80	21.49	21.87	22.00
	36	LOW	64QAM	20.42	20.63	20.26	21.00
		MID	64QAM	20.66	20.36	20.76	21.00
		HIGH	64QAM	20.67	20.39	20.50	21.00
	75	LOW	64QAM	20.57	20.50	20.90	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	23.36	23.63	23.65	24.00
		MID	QPSK	23.60	23.61	23.57	24.00
		HIGH	QPSK	23.64	23.61	23.53	24.00
	50	LOW	QPSK	22.65	22.64	22.66	23.00
		MID	QPSK	22.67	22.65	22.79	23.00
		HIGH	QPSK	22.62	22.68	22.70	23.00
	100	LOW	QPSK	22.62	22.68	22.78	23.00
20	1	LOW	Q16	22.79	22.87	22.89	23.00
		MID	Q16	22.85	22.92	22.75	23.00
		HIGH	Q16	22.86	22.75	22.83	23.00
	50	LOW	Q16	21.67	21.69	21.67	22.00
		MID	Q16	21.76	21.71	21.68	22.00
		HIGH	Q16	21.74	21.66	21.65	22.00
	100	LOW	Q16	21.80	21.68	21.67	22.00
20	1	LOW	64QAM	21.86	21.54	21.85	22.00
		MID	64QAM	21.78	21.71	21.95	22.00
		HIGH	64QAM	21.93	21.55	21.78	22.00
	50	LOW	64QAM	20.34	20.59	20.49	21.00
		MID	64QAM	20.66	20.57	20.68	21.00
		HIGH	64QAM	20.75	20.43	20.40	21.00
	100	LOW	64QAM	20.49	20.46	20.82	21.00

8.3.3 LTE Band5 Output Power

LTE B5-Level 1 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.79	23.74	23.72	24.00
		MID	QPSK	23.81	23.75	23.73	24.00
		HIGH	QPSK	23.70	23.76	23.74	24.00
	3	LOW	QPSK	23.72	23.76	23.81	24.00
		MID	QPSK	23.64	23.49	23.78	24.00
		HIGH	QPSK	23.61	23.57	23.79	24.00
1.4	1	LOW	QPSK	22.91	22.86	22.86	23.00
		MID	QPSK	22.90	22.71	22.81	23.00
		HIGH	QPSK	22.78	22.70	22.74	23.00
	3	LOW	QPSK	22.72	22.85	22.79	23.00
		MID	QPSK	22.67	22.48	22.79	23.00
		HIGH	QPSK	22.87	22.52	22.67	23.00
1.4	1	LOW	QPSK	22.52	22.67	22.61	23.00
		MID	QPSK	21.94	21.87	21.87	22.00
		HIGH	QPSK	21.76	21.71	21.95	22.00
	3	LOW	QPSK	21.92	21.74	21.88	22.00
		MID	QPSK	21.67	21.85	21.61	22.00
		HIGH	QPSK	21.54	21.58	21.91	22.00
1.4	1	LOW	QPSK	21.85	21.61	21.86	22.00
		MID	QPSK	21.69	21.72	21.65	22.00
		HIGH	QPSK	20.87	20.97	20.81	21.00
	3	LOW	QPSK	20.87	20.97	20.81	21.00
		MID	QPSK	20.87	20.97	20.81	21.00
		HIGH	QPSK	20.87	20.97	20.81	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.53	23.74	23.63	24.00
		MID	QPSK	23.93	23.87	23.66	24.00
		HIGH	QPSK	23.51	23.66	23.62	24.00
	8	LOW	QPSK	22.95	22.91	22.64	23.00
		MID	QPSK	22.98	22.88	22.88	23.00
		HIGH	QPSK	22.80	22.57	22.70	23.00
3	1	LOW	QPSK	22.75	22.88	22.70	23.00
		MID	QPSK	22.69	22.55	22.76	23.00
		HIGH	QPSK	22.64	22.81	22.85	23.00
	8	LOW	QPSK	22.65	22.74	22.72	23.00
		MID	QPSK	21.82	21.66	21.79	22.00
		HIGH	QPSK	21.78	21.80	21.90	22.00
3	1	LOW	QPSK	21.73	21.91	21.75	22.00
		MID	QPSK	21.94	21.74	21.83	22.00
		HIGH	QPSK	21.67	21.73	21.80	22.00
	8	LOW	QPSK	21.81	21.67	21.95	22.00
		MID	QPSK	21.74	21.87	21.65	22.00
		HIGH	QPSK	20.78	20.64	20.58	21.00
3	1	LOW	QPSK	20.83	20.32	20.74	21.00
		MID	QPSK	20.68	20.61	20.80	21.00
		HIGH	QPSK	20.85	20.74	20.83	21.00
	8	LOW	QPSK	20.85	20.74	20.83	21.00
		MID	QPSK	20.85	20.74	20.83	21.00
		HIGH	QPSK	20.85	20.74	20.83	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.77	23.74	23.51	24.00
		MID	QPSK	23.71	23.87	23.75	24.00
		HIGH	QPSK	23.79	23.62	23.55	24.00
	12	LOW	QPSK	22.81	22.89	22.82	23.00
		MID	QPSK	22.86	22.84	22.72	23.00
		HIGH	QPSK	22.94	22.53	22.67	23.00
	25	LOW	QPSK	22.84	22.65	22.93	23.00
5	1	LOW	Q16	22.81	22.48	22.67	23.00
		MID	Q16	22.87	22.79	22.58	23.00
		HIGH	Q16	22.74	22.74	22.79	23.00
	12	LOW	Q16	21.93	21.72	21.86	22.00
		MID	Q16	21.94	21.71	21.90	22.00
		HIGH	Q16	21.77	21.63	21.86	22.00
	25	LOW	Q16	21.81	21.67	21.70	22.00
5	1	LOW	64QAM	21.69	21.49	21.93	22.00
		MID	64QAM	21.79	21.81	21.73	22.00
		HIGH	64QAM	21.65	21.81	21.48	22.00
	12	LOW	64QAM	20.68	20.82	20.60	21.00
		MID	64QAM	20.95	20.61	20.89	21.00
		HIGH	64QAM	20.63	20.57	20.74	21.00
	25	LOW	64QAM	20.64	20.97	20.77	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.79	23.74	23.72	24.00
		MID	QPSK	23.81	23.75	23.73	24.00
		HIGH	QPSK	23.70	23.76	23.74	24.00
	25	LOW	QPSK	22.90	22.82	22.80	23.00
		MID	QPSK	22.95	22.86	22.91	23.00
		HIGH	QPSK	22.87	22.78	22.88	23.00
	50	LOW	QPSK	22.91	22.86	22.86	23.00
10	1	LOW	Q16	22.90	22.71	22.81	23.00
		MID	Q16	22.78	22.70	22.74	23.00
		HIGH	Q16	22.72	22.85	22.79	23.00
	25	LOW	Q16	21.91	21.81	21.88	22.00
		MID	Q16	21.98	21.89	21.99	22.00
		HIGH	Q16	21.97	21.87	21.93	22.00
	50	LOW	Q16	21.94	21.87	21.87	22.00
10	1	LOW	64QAM	21.76	21.71	21.95	22.00
		MID	64QAM	21.92	21.74	21.88	22.00
		HIGH	64QAM	21.67	21.85	21.61	22.00
	25	LOW	64QAM	20.80	20.74	20.77	21.00
		MID	64QAM	20.93	20.55	20.93	21.00
		HIGH	64QAM	20.78	20.65	20.82	21.00
	50	LOW	64QAM	20.87	20.97	20.81	21.00

LTE B5-Level 2 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.79	23.74	23.72	24.00
		MID	QPSK	23.81	23.75	23.73	24.00
		HIGH	QPSK	23.70	23.76	23.74	24.00
	3	LOW	QPSK	23.72	23.76	23.81	24.00
		MID	QPSK	23.64	23.49	23.78	24.00
		HIGH	QPSK	23.61	23.57	23.79	24.00
1.4	1	LOW	QPSK	22.91	22.86	22.86	23.00
		MID	QPSK	22.90	22.71	22.81	23.00
		HIGH	QPSK	22.78	22.70	22.74	23.00
	3	LOW	QPSK	22.72	22.85	22.79	23.00
		MID	QPSK	22.67	22.48	22.79	23.00
		HIGH	QPSK	22.87	22.52	22.67	23.00
	6	LOW	QPSK	22.52	22.67	22.61	23.00
		MID	QPSK	21.94	21.87	21.87	22.00
		HIGH	QPSK	21.76	21.71	21.95	22.00
1.4	1	LOW	64QAM	21.92	21.74	21.88	22.00
		MID	64QAM	21.67	21.85	21.61	22.00
		HIGH	64QAM	21.54	21.58	21.91	22.00
	3	LOW	64QAM	21.85	21.61	21.86	22.00
		MID	64QAM	21.69	21.72	21.65	22.00
		HIGH	64QAM	20.87	20.97	20.81	21.00
	6	LOW	64QAM	20.87	20.97	20.81	21.00
		MID	64QAM	20.87	20.97	20.81	21.00
		HIGH	64QAM	20.87	20.97	20.81	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.53	23.74	23.63	24.00
		MID	QPSK	23.93	23.87	23.66	24.00
		HIGH	QPSK	23.51	23.66	23.62	24.00
	8	LOW	QPSK	22.95	22.91	22.64	23.00
		MID	QPSK	22.98	22.88	22.88	23.00
		HIGH	QPSK	22.80	22.57	22.70	23.00
3	15	LOW	QPSK	22.75	22.88	22.70	23.00
		MID	QPSK	22.69	22.55	22.76	23.00
		HIGH	QPSK	22.64	22.81	22.85	23.00
	8	LOW	QPSK	22.65	22.74	22.72	23.00
		MID	QPSK	21.82	21.66	21.79	22.00
		HIGH	QPSK	21.78	21.80	21.90	22.00
	15	LOW	QPSK	21.73	21.91	21.75	22.00
		MID	QPSK	21.94	21.74	21.83	22.00
		HIGH	QPSK	21.67	21.73	21.80	22.00
3	1	LOW	64QAM	21.81	21.67	21.95	22.00
		MID	64QAM	21.74	21.87	21.65	22.00
		HIGH	64QAM	20.78	20.64	20.58	21.00
	8	LOW	64QAM	20.83	20.32	20.74	21.00
		MID	64QAM	20.68	20.61	20.80	21.00
		HIGH	64QAM	20.85	20.74	20.83	21.00
	15	LOW	64QAM	20.85	20.74	20.83	21.00
		MID	64QAM	20.85	20.74	20.83	21.00
		HIGH	64QAM	20.85	20.74	20.83	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.77	23.74	23.51	24.00
		MID	QPSK	23.71	23.87	23.75	24.00
		HIGH	QPSK	23.79	23.62	23.55	24.00
	12	LOW	QPSK	22.81	22.89	22.82	23.00
		MID	QPSK	22.86	22.84	22.72	23.00
		HIGH	QPSK	22.94	22.53	22.67	23.00
	25	LOW	QPSK	22.84	22.65	22.93	23.00
5	1	LOW	Q16	22.81	22.48	22.67	23.00
		MID	Q16	22.87	22.79	22.58	23.00
		HIGH	Q16	22.74	22.74	22.79	23.00
	12	LOW	Q16	21.93	21.72	21.86	22.00
		MID	Q16	21.94	21.71	21.90	22.00
		HIGH	Q16	21.77	21.63	21.86	22.00
	25	LOW	Q16	21.81	21.67	21.70	22.00
5	1	LOW	64QAM	21.69	21.49	21.93	22.00
		MID	64QAM	21.79	21.81	21.73	22.00
		HIGH	64QAM	21.65	21.81	21.48	22.00
	12	LOW	64QAM	20.68	20.82	20.60	21.00
		MID	64QAM	20.95	20.61	20.89	21.00
		HIGH	64QAM	20.63	20.57	20.74	21.00
	25	LOW	64QAM	20.64	20.97	20.77	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.79	23.74	23.72	24.00
		MID	QPSK	23.81	23.75	23.73	24.00
		HIGH	QPSK	23.70	23.76	23.74	24.00
	25	LOW	QPSK	22.90	22.82	22.80	23.00
		MID	QPSK	22.95	22.86	22.91	23.00
		HIGH	QPSK	22.87	22.78	22.88	23.00
	50	LOW	QPSK	22.91	22.86	22.86	23.00
10	1	LOW	Q16	22.90	22.71	22.81	23.00
		MID	Q16	22.78	22.70	22.74	23.00
		HIGH	Q16	22.72	22.85	22.79	23.00
	25	LOW	Q16	21.91	21.81	21.88	22.00
		MID	Q16	21.98	21.89	21.99	22.00
		HIGH	Q16	21.97	21.87	21.93	22.00
	50	LOW	Q16	21.94	21.87	21.87	22.00
10	1	LOW	64QAM	21.76	21.71	21.95	22.00
		MID	64QAM	21.92	21.74	21.88	22.00
		HIGH	64QAM	21.67	21.85	21.61	22.00
	25	LOW	64QAM	20.80	20.74	20.77	21.00
		MID	64QAM	20.93	20.55	20.93	21.00
		HIGH	64QAM	20.78	20.65	20.82	21.00
	50	LOW	64QAM	20.87	20.97	20.81	21.00

LTE B5-Level 1 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.85	23.07	22.95	23.50
		MID	QPSK	23.12	23.18	23.12	23.50
		HIGH	QPSK	22.84	22.97	23.25	23.50
	3	LOW	QPSK	21.93	22.23	22.06	22.50
		MID	QPSK	22.28	22.39	22.17	22.50
		HIGH	QPSK	22.24	22.34	22.32	22.50
6	LOW	QPSK	22.06	22.37	22.20	22.50	
1.4	1	LOW	Q16	21.88	22.22	22.08	22.50
		MID	Q16	21.93	21.84	22.17	22.50
		HIGH	Q16	22.01	22.21	22.21	22.50
	3	LOW	Q16	21.12	21.00	21.04	21.50
		MID	Q16	21.35	21.31	21.11	21.50
		HIGH	Q16	21.30	21.14	21.05	21.50
6	LOW	Q16	21.14	21.16	21.27	21.50	
1.4	1	LOW	64QAM	21.20	21.40	21.27	21.50
		MID	64QAM	21.28	21.16	21.39	21.50
		HIGH	64QAM	20.92	21.21	21.39	21.50
	3	LOW	64QAM	20.25	20.17	20.04	20.50
		MID	64QAM	20.37	20.32	20.15	20.50
		HIGH	64QAM	20.29	20.38	20.35	20.50
6	LOW	64QAM	20.16	20.45	20.20	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.01	23.09	22.95	23.50
		MID	QPSK	22.89	23.18	23.12	23.50
		HIGH	QPSK	23.00	23.02	23.23	23.50
	8	LOW	QPSK	22.20	22.16	22.02	22.50
		MID	QPSK	22.30	22.41	22.26	22.50
		HIGH	QPSK	22.13	22.34	22.16	22.50
15	LOW	QPSK	22.15	22.17	22.40	22.50	
3	1	LOW	Q16	21.99	22.04	22.15	22.50
		MID	Q16	22.04	21.95	22.08	22.50
		HIGH	Q16	22.17	22.25	22.28	22.50
	8	LOW	Q16	21.28	21.11	21.06	21.50
		MID	Q16	21.28	21.02	21.30	21.50
		HIGH	Q16	21.07	21.16	21.07	21.50
15	LOW	Q16	21.07	21.20	21.10	21.50	
3	1	LOW	64QAM	21.15	21.23	21.36	21.50
		MID	64QAM	21.11	21.41	21.39	21.50
		HIGH	64QAM	20.98	21.32	21.28	21.50
	8	LOW	64QAM	20.19	20.15	20.06	20.50
		MID	64QAM	20.19	20.38	20.25	20.50
		HIGH	64QAM	20.39	20.24	20.37	20.50
15	LOW	64QAM	20.16	20.33	20.34	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.87	22.84	23.04	23.50
		MID	QPSK	23.07	22.90	23.12	23.50
		HIGH	QPSK	23.03	23.06	23.30	23.50
	12	LOW	QPSK	22.09	22.09	22.35	22.50
		MID	QPSK	22.14	22.08	22.23	22.50
		HIGH	QPSK	22.06	22.09	22.30	22.50
	25	LOW	QPSK	22.02	22.10	22.17	22.50
5	1	LOW	Q16	21.92	22.24	22.08	22.50
		MID	Q16	21.80	21.93	22.06	22.50
		HIGH	Q16	21.88	22.23	22.39	22.50
	12	LOW	Q16	21.12	21.23	21.08	21.50
		MID	Q16	21.17	21.10	21.28	21.50
		HIGH	Q16	21.05	21.06	21.17	21.50
	25	LOW	Q16	20.97	21.16	21.20	21.50
5	1	LOW	64QAM	21.41	21.31	21.29	21.50
		MID	64QAM	21.30	21.46	21.30	21.50
		HIGH	64QAM	20.92	20.98	21.28	21.50
	12	LOW	64QAM	20.13	20.15	20.00	20.50
		MID	64QAM	20.21	20.20	20.27	20.50
		HIGH	64QAM	20.27	20.22	20.27	20.50
	25	LOW	64QAM	20.38	20.33	20.38	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.08	23.09	23.16	23.50
		MID	QPSK	23.12	23.06	23.21	23.50
		HIGH	QPSK	23.05	23.18	23.23	23.50
	25	LOW	QPSK	22.13	22.16	22.26	22.50
		MID	QPSK	22.21	22.30	22.39	22.50
		HIGH	QPSK	22.17	22.27	22.41	22.50
	50	LOW	QPSK	22.22	22.28	22.33	22.50
10	1	LOW	Q16	22.10	22.13	22.26	22.50
		MID	Q16	22.00	22.08	22.26	22.50
		HIGH	Q16	22.10	22.25	22.32	22.50
	25	LOW	Q16	21.20	21.19	21.19	21.50
		MID	Q16	21.26	21.25	21.30	21.50
		HIGH	Q16	21.24	21.29	21.28	21.50
	50	LOW	Q16	21.18	21.31	21.16	21.50
10	1	LOW	64QAM	21.39	21.29	21.42	21.50
		MID	64QAM	21.22	21.35	21.39	21.50
		HIGH	64QAM	21.15	21.21	21.41	21.50
	25	LOW	64QAM	20.17	20.35	20.18	20.50
		MID	64QAM	20.31	20.28	20.33	20.50
		HIGH	64QAM	20.33	20.28	20.31	20.50
	50	LOW	64QAM	20.32	20.47	20.38	20.50

LTE B5-Level 2 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.85	23.07	22.95	23.50
		MID	QPSK	23.12	23.18	23.12	23.50
		HIGH	QPSK	22.84	22.97	23.25	23.50
	3	LOW	QPSK	21.93	22.23	22.06	22.50
		MID	QPSK	22.28	22.39	22.17	22.50
		HIGH	QPSK	22.24	22.34	22.32	22.50
6	LOW	QPSK	22.06	22.37	22.20	22.50	
1.4	1	LOW	Q16	21.88	22.22	22.08	22.50
		MID	Q16	21.93	21.84	22.17	22.50
		HIGH	Q16	22.01	22.21	22.21	22.50
	3	LOW	Q16	21.12	21.00	21.04	21.50
		MID	Q16	21.35	21.31	21.11	21.50
		HIGH	Q16	21.30	21.14	21.05	21.50
6	LOW	Q16	21.14	21.16	21.27	21.50	
1.4	1	LOW	64QAM	21.20	21.40	21.27	21.50
		MID	64QAM	21.28	21.16	21.39	21.50
		HIGH	64QAM	20.92	21.21	21.39	21.50
	3	LOW	64QAM	20.25	20.17	20.04	20.50
		MID	64QAM	20.37	20.32	20.15	20.50
		HIGH	64QAM	20.29	20.38	20.35	20.50
6	LOW	64QAM	20.16	20.45	20.20	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.01	23.09	22.95	23.50
		MID	QPSK	22.89	23.18	23.12	23.50
		HIGH	QPSK	23.00	23.02	23.23	23.50
	8	LOW	QPSK	22.20	22.16	22.02	22.50
		MID	QPSK	22.30	22.41	22.26	22.50
		HIGH	QPSK	22.13	22.34	22.16	22.50
15	LOW	QPSK	22.15	22.17	22.40	22.50	
3	1	LOW	Q16	21.99	22.04	22.15	22.50
		MID	Q16	22.04	21.95	22.08	22.50
		HIGH	Q16	22.17	22.25	22.28	22.50
	8	LOW	Q16	21.28	21.11	21.06	21.50
		MID	Q16	21.28	21.02	21.30	21.50
		HIGH	Q16	21.07	21.16	21.07	21.50
15	LOW	Q16	21.07	21.20	21.10	21.50	
3	1	LOW	64QAM	21.15	21.23	21.36	21.50
		MID	64QAM	21.11	21.41	21.39	21.50
		HIGH	64QAM	20.98	21.32	21.28	21.50
	8	LOW	64QAM	20.19	20.15	20.06	20.50
		MID	64QAM	20.19	20.38	20.25	20.50
		HIGH	64QAM	20.39	20.24	20.37	20.50
15	LOW	64QAM	20.16	20.33	20.34	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.87	22.84	23.04	23.50
		MID	QPSK	23.07	22.90	23.12	23.50
		HIGH	QPSK	23.03	23.06	23.30	23.50
	12	LOW	QPSK	22.09	22.09	22.35	22.50
		MID	QPSK	22.14	22.08	22.23	22.50
		HIGH	QPSK	22.06	22.09	22.30	22.50
	25	LOW	QPSK	22.02	22.10	22.17	22.50
5	1	LOW	Q16	21.92	22.24	22.08	22.50
		MID	Q16	21.80	21.93	22.06	22.50
		HIGH	Q16	21.88	22.23	22.39	22.50
	12	LOW	Q16	21.12	21.23	21.08	21.50
		MID	Q16	21.17	21.10	21.28	21.50
		HIGH	Q16	21.05	21.06	21.17	21.50
	25	LOW	Q16	20.97	21.16	21.20	21.50
5	1	LOW	64QAM	21.41	21.31	21.29	21.50
		MID	64QAM	21.30	21.46	21.30	21.50
		HIGH	64QAM	20.92	20.98	21.28	21.50
	12	LOW	64QAM	20.13	20.15	20.00	20.50
		MID	64QAM	20.21	20.20	20.27	20.50
		HIGH	64QAM	20.27	20.22	20.27	20.50
	25	LOW	64QAM	20.38	20.33	20.38	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.08	23.09	23.16	23.50
		MID	QPSK	23.12	23.06	23.21	23.50
		HIGH	QPSK	23.05	23.18	23.23	23.50
	25	LOW	QPSK	22.13	22.16	22.26	22.50
		MID	QPSK	22.21	22.30	22.39	22.50
		HIGH	QPSK	22.17	22.27	22.41	22.50
10	50	LOW	QPSK	22.22	22.28	22.33	22.50
	1	LOW	Q16	22.10	22.13	22.26	22.50
		MID	Q16	22.00	22.08	22.26	22.50
		HIGH	Q16	22.10	22.25	22.32	22.50
	25	LOW	Q16	21.20	21.19	21.19	21.50
		MID	Q16	21.26	21.25	21.30	21.50
		HIGH	Q16	21.24	21.29	21.28	21.50
	50	LOW	Q16	21.18	21.31	21.16	21.50
10	1	LOW	64QAM	21.39	21.29	21.42	21.50
		MID	64QAM	21.22	21.35	21.39	21.50
		HIGH	64QAM	21.15	21.21	21.41	21.50
	25	LOW	64QAM	20.17	20.35	20.18	20.50
		MID	64QAM	20.31	20.28	20.33	20.50
		HIGH	64QAM	20.33	20.28	20.31	20.50
	50	LOW	64QAM	20.32	20.47	20.38	20.50

8.3.4 LTE Band7 Output Power

LTE B7-Level 1 -Ant.4							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	15.87	15.84	15.84	16.50
		MID	QPSK	15.65	15.74	15.81	16.50
		HIGH	QPSK	15.66	15.84	15.84	16.50
	12	LOW	QPSK	14.68	14.92	14.81	15.50
		MID	QPSK	14.99	14.64	14.71	15.50
		HIGH	QPSK	14.72	14.78	14.85	15.50
	25	LOW	QPSK	14.95	14.60	14.80	15.50
5	1	LOW	Q16	14.69	14.69	15.00	15.50
		MID	Q16	14.72	14.69	14.93	15.50
		HIGH	Q16	14.82	14.73	14.63	15.50
	12	LOW	Q16	13.87	13.87	13.74	14.50
		MID	Q16	13.74	13.98	13.70	14.50
		HIGH	Q16	13.80	13.60	13.87	14.50
	25	LOW	Q16	13.67	13.60	13.70	14.50
5	1	LOW	64QAM	13.97	13.66	13.91	14.50
		MID	64QAM	13.95	13.72	13.88	14.50
		HIGH	64QAM	13.69	13.77	13.91	14.50
	12	LOW	64QAM	12.88	12.88	12.69	13.50
		MID	64QAM	12.64	12.92	12.97	13.50
		HIGH	64QAM	12.83	12.65	12.73	13.50
	25	LOW	64QAM	12.72	12.95	12.82	13.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	15.93	15.82	15.85	16.50
		MID	QPSK	15.93	15.76	15.98	16.50
		HIGH	QPSK	15.71	15.84	14.73	16.50
	25	LOW	QPSK	14.84	14.95	14.63	15.50
		MID	QPSK	14.90	14.77	14.95	15.50
		HIGH	QPSK	14.95	14.76	14.97	15.50
	50	LOW	QPSK	14.85	14.68	14.60	15.50
10	1	LOW	Q16	14.65	14.88	14.76	15.50
		MID	Q16	15.00	14.89	14.82	15.50
		HIGH	Q16	14.81	14.71	13.75	15.50
	25	LOW	Q16	13.85	13.84	13.96	14.50
		MID	Q16	13.91	13.90	13.89	14.50
		HIGH	Q16	13.64	13.61	13.98	14.50
	50	LOW	Q16	13.94	13.97	13.67	14.50
10	1	LOW	64QAM	13.67	13.75	13.80	14.50
		MID	64QAM	13.62	13.85	13.75	14.50
		HIGH	64QAM	13.89	13.78	12.96	14.50
	25	LOW	64QAM	12.80	12.61	12.91	13.50
		MID	64QAM	12.91	12.94	12.75	13.50
		HIGH	64QAM	12.66	12.64	12.60	13.50
	50	LOW	64QAM	12.84	12.98	12.90	13.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	15.89	15.89	15.74	16.50
		MID	QPSK	15.97	15.72	15.90	16.50
		HIGH	QPSK	15.84	15.86	15.74	16.50
	36	LOW	QPSK	14.80	14.69	14.99	15.50
		MID	QPSK	14.84	14.63	14.94	15.50
		HIGH	QPSK	14.84	15.00	14.71	15.50
	75	LOW	QPSK	14.68	14.73	14.67	15.50
15	1	LOW	Q16	14.67	14.77	14.71	15.50
		MID	Q16	14.61	14.60	14.84	15.50
		HIGH	Q16	14.88	14.85	14.83	15.50
	36	LOW	Q16	13.75	13.63	13.93	14.50
		MID	Q16	13.67	13.74	13.92	14.50
		HIGH	Q16	13.80	13.82	13.81	14.50
	75	LOW	Q16	13.83	13.82	13.64	14.50
15	1	LOW	64QAM	13.62	13.78	13.70	14.50
		MID	64QAM	13.74	13.98	13.82	14.50
		HIGH	64QAM	13.75	13.64	13.66	14.50
	36	LOW	64QAM	12.64	12.63	12.71	13.50
		MID	64QAM	12.81	12.67	12.87	13.50
		HIGH	64QAM	12.63	12.60	12.61	13.50
	75	LOW	64QAM	12.93	12.68	12.66	13.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	16.28	16.30	16.08	16.50
		MID	QPSK	16.37	16.29	16.09	16.50
		HIGH	QPSK	16.49	16.18	16.11	16.50
	50	LOW	QPSK	15.38	15.45	15.24	15.50
		MID	QPSK	15.44	15.43	15.22	15.50
		HIGH	QPSK	15.46	15.40	15.13	15.50
	100	LOW	QPSK	15.42	15.38	15.19	15.50
20	1	LOW	Q16	15.43	14.97	15.41	15.50
		MID	Q16	15.46	14.95	15.22	15.50
		HIGH	Q16	15.41	14.99	15.24	15.50
	50	LOW	Q16	14.39	14.39	14.28	14.50
		MID	Q16	14.45	14.40	14.23	14.50
		HIGH	Q16	14.46	14.40	14.14	14.50
	100	LOW	Q16	14.44	14.42	14.25	14.50
20	1	LOW	64QAM	14.37	13.97	14.31	14.50
		MID	64QAM	14.33	14.13	14.16	14.50
		HIGH	64QAM	14.37	14.03	14.19	14.50
	50	LOW	64QAM	13.38	13.32	13.40	13.50
		MID	64QAM	13.41	13.34	13.29	13.50
		HIGH	64QAM	13.49	13.34	13.36	13.50
	100	LOW	64QAM	13.37	13.35	13.31	13.50

LTE B7-Level 1 -Ant.4-NSA							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	13.18	13.25	13.14	13.50
		MID	QPSK	13.13	13.11	13.14	13.50
		HIGH	QPSK	13.25	13.26	13.16	13.50
	12	LOW	QPSK	13.16	13.18	13.10	13.50
		MID	QPSK	13.14	13.17	13.25	13.50
		HIGH	QPSK	13.30	13.22	13.29	13.50
25	LOW	QPSK	13.11	13.15	13.20	13.50	
5	1	LOW	Q16	13.17	13.19	13.14	13.50
		MID	Q16	13.18	13.18	13.30	13.50
		HIGH	Q16	13.23	13.15	13.23	13.50
	12	LOW	Q16	13.16	13.30	13.11	13.50
		MID	Q16	13.15	13.21	13.15	13.50
		HIGH	Q16	13.18	13.30	13.29	13.50
25	LOW	Q16	13.22	13.26	13.27	13.50	
5	1	LOW	64QAM	13.26	13.22	13.11	13.50
		MID	64QAM	13.30	13.29	13.26	13.50
		HIGH	64QAM	13.27	13.18	13.13	13.50
	12	LOW	64QAM	13.20	13.10	13.30	13.50
		MID	64QAM	13.16	13.22	13.12	13.50
		HIGH	64QAM	13.23	13.30	13.17	13.50
25	LOW	64QAM	13.26	13.25	13.19	13.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	13.25	13.12	13.12	13.50
		MID	QPSK	13.26	13.14	13.18	13.50
		HIGH	QPSK	13.25	13.21	13.20	13.50
	25	LOW	QPSK	13.26	13.11	13.12	13.50
		MID	QPSK	13.15	13.29	13.15	13.50
		HIGH	QPSK	13.12	13.26	13.26	13.50
50	LOW	QPSK	13.11	13.14	13.22	13.50	
10	1	LOW	Q16	13.29	13.13	13.15	13.50
		MID	Q16	13.21	13.17	13.22	13.50
		HIGH	Q16	13.27	13.22	13.23	13.50
	25	LOW	Q16	13.17	13.14	13.23	13.50
		MID	Q16	13.15	13.29	13.24	13.50
		HIGH	Q16	13.24	13.12	13.21	13.50
50	LOW	Q16	13.17	13.13	13.24	13.50	
10	1	LOW	64QAM	13.29	13.16	13.11	13.50
		MID	64QAM	13.30	13.24	13.29	13.50
		HIGH	64QAM	13.29	13.23	13.27	13.50
	25	LOW	64QAM	13.23	13.16	13.24	13.50
		MID	64QAM	13.11	13.17	13.15	13.50
		HIGH	64QAM	13.26	13.15	13.21	13.50
50	LOW	64QAM	13.26	13.10	13.19	13.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	13.16	13.14	13.18	13.50
		MID	QPSK	13.26	13.27	13.22	13.50
		HIGH	QPSK	13.20	13.11	13.12	13.50
	36	LOW	QPSK	13.18	13.30	13.21	13.50
		MID	QPSK	13.23	13.10	13.26	13.50
		HIGH	QPSK	13.19	13.28	13.13	13.50
	75	LOW	QPSK	13.16	13.25	13.23	13.50
15	1	LOW	Q16	13.23	13.10	13.18	13.50
		MID	Q16	13.17	13.13	13.19	13.50
		HIGH	Q16	13.20	13.20	13.17	13.50
	36	LOW	Q16	13.21	13.29	13.24	13.50
		MID	Q16	13.28	13.22	13.13	13.50
		HIGH	Q16	13.18	13.24	13.15	13.50
	75	LOW	Q16	13.18	13.16	13.12	13.50
15	1	LOW	64QAM	13.19	13.15	13.28	13.50
		MID	64QAM	13.30	13.21	13.12	13.50
		HIGH	64QAM	13.28	13.17	13.12	13.50
	36	LOW	64QAM	13.17	13.13	13.25	13.50
		MID	64QAM	13.30	13.11	13.13	13.50
		HIGH	64QAM	13.12	13.21	13.18	13.50
	75	LOW	64QAM	13.24	13.18	13.19	13.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	13.22	13.34	13.30	13.50
		MID	QPSK	13.21	13.11	13.19	13.50
		HIGH	QPSK	13.13	13.12	13.15	13.50
	50	LOW	QPSK	13.24	13.35	13.29	13.50
		MID	QPSK	13.25	13.30	13.10	13.50
		HIGH	QPSK	13.28	13.27	13.14	13.50
	100	LOW	QPSK	13.15	13.28	13.12	13.50
20	1	LOW	Q16	13.25	13.27	13.26	13.50
		MID	Q16	13.19	13.17	13.30	13.50
		HIGH	Q16	13.24	13.24	13.23	13.50
	50	LOW	Q16	13.28	13.27	13.16	13.50
		MID	Q16	13.13	13.23	13.19	13.50
		HIGH	Q16	13.30	13.20	13.22	13.50
	100	LOW	Q16	13.29	13.11	13.23	13.50
20	1	LOW	64QAM	13.17	13.11	13.19	13.50
		MID	64QAM	13.13	13.17	13.20	13.50
		HIGH	64QAM	13.19	13.15	13.16	13.50
	50	LOW	64QAM	13.18	13.25	13.28	13.50
		MID	64QAM	13.12	13.14	13.14	13.50
		HIGH	64QAM	13.23	13.29	13.30	13.50
	100	LOW	64QAM	13.28	13.12	13.25	13.50

LTE B7-Level 2 -Ant.4							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	18.64	18.75	18.61	19.50
		MID	QPSK	18.70	18.89	18.69	19.50
		HIGH	QPSK	18.81	18.89	18.69	19.50
	12	LOW	QPSK	17.79	17.66	17.80	18.50
		MID	QPSK	17.96	17.87	18.00	18.50
		HIGH	QPSK	17.99	17.70	17.71	18.50
25	LOW	QPSK	17.61	17.83	17.68	18.50	
5	1	LOW	Q16	17.77	17.75	17.66	18.50
		MID	Q16	17.95	17.65	17.66	18.50
		HIGH	Q16	17.95	17.89	17.99	18.50
	12	LOW	Q16	16.88	16.68	16.69	17.50
		MID	Q16	16.97	16.81	16.98	17.50
		HIGH	Q16	16.65	16.75	16.97	17.50
25	LOW	Q16	17.00	16.73	16.87	17.50	
5	1	LOW	64QAM	16.74	16.60	16.69	17.50
		MID	64QAM	16.82	16.70	16.68	17.50
		HIGH	64QAM	16.67	16.76	16.66	17.50
	12	LOW	64QAM	15.95	15.66	15.67	16.50
		MID	64QAM	15.68	15.68	15.71	16.50
		HIGH	64QAM	15.92	15.64	15.93	16.50
25	LOW	64QAM	15.91	15.76	15.81	16.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	18.99	18.97	18.79	19.50
		MID	QPSK	18.60	18.80	18.70	19.50
		HIGH	QPSK	18.76	18.98	18.91	19.50
	25	LOW	QPSK	17.99	17.70	17.66	18.50
		MID	QPSK	17.60	17.80	17.92	18.50
		HIGH	QPSK	17.70	17.86	17.78	18.50
50	LOW	QPSK	17.62	17.63	17.73	18.50	
10	1	LOW	Q16	17.99	17.94	17.67	18.50
		MID	Q16	17.73	17.93	17.64	18.50
		HIGH	Q16	17.74	17.68	17.72	18.50
	25	LOW	Q16	16.89	16.77	16.67	17.50
		MID	Q16	16.76	16.92	16.81	17.50
		HIGH	Q16	16.87	16.70	16.88	17.50
50	LOW	Q16	16.92	16.67	16.61	17.50	
10	1	LOW	64QAM	16.88	16.99	16.91	17.50
		MID	64QAM	16.96	16.76	16.78	17.50
		HIGH	64QAM	16.63	16.84	16.67	17.50
	25	LOW	64QAM	15.85	15.84	15.69	16.50
		MID	64QAM	15.77	15.98	15.68	16.50
		HIGH	64QAM	15.86	15.93	15.66	16.50
50	LOW	64QAM	15.90	15.80	15.88	16.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.60	18.92	18.70	19.50
		MID	QPSK	18.99	18.67	18.81	19.50
		HIGH	QPSK	18.90	18.72	18.89	19.50
	36	LOW	QPSK	17.94	17.81	17.81	18.50
		MID	QPSK	17.77	17.66	17.64	18.50
		HIGH	QPSK	17.70	17.75	17.72	18.50
	75	LOW	QPSK	17.89	17.73	17.71	18.50
15	1	LOW	Q16	17.70	17.80	17.65	18.50
		MID	Q16	17.76	17.62	17.94	18.50
		HIGH	Q16	17.79	18.00	17.63	18.50
	36	LOW	Q16	16.93	16.65	16.95	17.50
		MID	Q16	16.70	16.70	16.78	17.50
		HIGH	Q16	16.70	16.84	16.68	17.50
	75	LOW	Q16	16.60	16.81	16.66	17.50
15	1	LOW	64QAM	16.87	16.89	16.69	17.50
		MID	64QAM	16.76	16.90	16.94	17.50
		HIGH	64QAM	16.60	16.91	16.63	17.50
	36	LOW	64QAM	15.94	15.69	15.92	16.50
		MID	64QAM	15.70	15.88	15.66	16.50
		HIGH	64QAM	15.73	15.61	15.97	16.50
	75	LOW	64QAM	15.76	15.89	15.76	16.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	19.33	19.41	19.07	19.50
		MID	QPSK	19.35	19.40	19.04	19.50
		HIGH	QPSK	19.38	19.25	19.07	19.50
	50	LOW	QPSK	18.29	18.33	18.11	18.50
		MID	QPSK	18.30	18.33	18.02	18.50
		HIGH	QPSK	18.27	18.35	18.00	18.50
	100	LOW	QPSK	18.26	18.35	18.05	18.50
20	1	LOW	Q16	18.36	18.37	18.34	18.50
		MID	Q16	18.40	18.50	18.27	18.50
		HIGH	Q16	18.48	18.49	18.32	18.50
	50	LOW	Q16	17.30	17.35	17.09	17.50
		MID	Q16	17.38	17.30	17.04	17.50
		HIGH	Q16	17.41	17.29	16.96	17.50
	100	LOW	Q16	17.41	17.29	17.07	17.50
20	1	LOW	64QAM	17.24	17.18	17.42	17.50
		MID	64QAM	17.26	17.22	17.39	17.50
		HIGH	64QAM	17.37	17.41	17.23	17.50
	50	LOW	64QAM	16.21	16.22	16.14	16.50
		MID	64QAM	16.48	16.46	16.26	16.50
		HIGH	64QAM	16.38	16.24	16.14	16.50
	100	LOW	64QAM	16.30	16.28	16.00	16.50

LTE B7-Level 2 -Ant.4-NSA							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.30	17.11	17.13	17.50
		MID	QPSK	17.14	17.12	17.18	17.50
		HIGH	QPSK	17.23	17.25	17.23	17.50
	12	LOW	QPSK	17.22	17.26	17.12	17.50
		MID	QPSK	17.15	17.19	17.17	17.50
		HIGH	QPSK	17.17	17.11	17.27	17.50
	25	LOW	QPSK	17.10	17.28	17.12	17.50
5	1	LOW	Q16	17.17	17.17	17.20	17.50
		MID	Q16	17.16	17.12	17.10	17.50
		HIGH	Q16	17.18	17.18	17.29	17.50
	12	LOW	Q16	17.28	17.18	17.22	17.50
		MID	Q16	17.26	17.11	17.21	17.50
		HIGH	Q16	17.12	17.24	17.16	17.50
	25	LOW	Q16	17.13	17.12	17.12	17.50
5	1	LOW	64QAM	17.27	17.22	17.21	17.50
		MID	64QAM	17.13	17.21	17.22	17.50
		HIGH	64QAM	17.30	17.21	17.17	17.50
	12	LOW	64QAM	17.19	17.17	17.25	17.50
		MID	64QAM	17.19	17.15	17.27	17.50
		HIGH	64QAM	17.30	17.30	17.29	17.50
	25	LOW	64QAM	17.12	17.30	17.21	17.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.10	17.19	17.23	17.50
		MID	QPSK	17.12	17.11	17.23	17.50
		HIGH	QPSK	17.23	17.15	17.20	17.50
	25	LOW	QPSK	17.28	17.23	17.26	17.50
		MID	QPSK	17.28	17.25	17.24	17.50
		HIGH	QPSK	17.26	17.24	17.16	17.50
	50	LOW	QPSK	17.14	17.22	17.19	17.50
10	1	LOW	Q16	17.14	17.26	17.12	17.50
		MID	Q16	17.17	17.22	17.15	17.50
		HIGH	Q16	17.13	17.28	17.25	17.50
	25	LOW	Q16	17.10	17.12	17.18	17.50
		MID	Q16	17.29	17.21	17.15	17.50
		HIGH	Q16	17.23	17.10	17.12	17.50
	50	LOW	Q16	17.13	17.28	17.14	17.50
10	1	LOW	64QAM	17.10	17.18	17.29	17.50
		MID	64QAM	17.28	17.19	17.21	17.50
		HIGH	64QAM	17.23	17.18	17.10	17.50
	25	LOW	64QAM	17.27	17.22	17.12	17.50
		MID	64QAM	17.10	17.10	17.23	17.50
		HIGH	64QAM	17.10	17.17	17.22	17.50
	50	LOW	64QAM	17.25	17.12	17.11	17.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.23	17.18	17.18	17.50
		MID	QPSK	17.14	17.12	17.23	17.50
		HIGH	QPSK	17.27	17.30	17.22	17.50
	36	LOW	QPSK	17.19	17.30	17.21	17.50
		MID	QPSK	17.29	17.14	17.12	17.50
		HIGH	QPSK	17.14	17.12	17.21	17.50
	75	LOW	QPSK	17.18	17.16	17.24	17.50
15	1	LOW	Q16	17.12	17.16	17.11	17.50
		MID	Q16	17.25	17.26	17.12	17.50
		HIGH	Q16	17.25	17.19	17.22	17.50
	36	LOW	Q16	17.25	17.28	17.20	17.50
		MID	Q16	17.19	17.30	17.24	17.50
		HIGH	Q16	17.21	17.12	17.10	17.50
	75	LOW	Q16	17.15	17.17	17.10	17.50
15	1	LOW	64QAM	17.24	17.25	17.19	17.50
		MID	64QAM	17.23	17.13	17.20	17.50
		HIGH	64QAM	17.26	17.12	17.20	17.50
	36	LOW	64QAM	17.12	17.21	17.10	17.50
		MID	64QAM	17.20	17.29	17.14	17.50
		HIGH	64QAM	17.29	17.20	17.16	17.50
	75	LOW	64QAM	17.30	17.26	17.26	17.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.17	17.38	17.30	17.50
		MID	QPSK	17.17	17.16	17.22	17.50
		HIGH	QPSK	17.10	17.11	17.23	17.50
	50	LOW	QPSK	17.28	17.40	17.22	17.50
		MID	QPSK	17.20	17.23	17.27	17.50
		HIGH	QPSK	17.15	17.12	17.26	17.50
	100	LOW	QPSK	17.12	17.20	17.23	17.50
20	1	LOW	Q16	17.21	17.12	17.10	17.50
		MID	Q16	17.12	17.24	17.15	17.50
		HIGH	Q16	17.12	17.15	17.28	17.50
	50	LOW	Q16	17.15	17.16	17.25	17.50
		MID	Q16	17.28	17.24	17.22	17.50
		HIGH	Q16	17.25	17.20	17.14	17.50
	100	LOW	Q16	17.19	17.18	17.28	17.50
20	1	LOW	64QAM	17.13	17.23	17.27	17.50
		MID	64QAM	17.30	17.27	17.10	17.50
		HIGH	64QAM	17.19	17.13	17.24	17.50
	50	LOW	64QAM	17.25	17.23	17.16	17.50
		MID	64QAM	17.17	17.12	17.26	17.50
		HIGH	64QAM	17.25	17.27	17.26	17.50
	100	LOW	64QAM	17.22	17.27	17.28	17.50

LTE B7-Level 1 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	23.15	23.20	23.51	24.00
		MID	QPSK	23.53	23.57	23.52	24.00
		HIGH	QPSK	23.49	23.55	23.86	24.00
	12	LOW	QPSK	22.47	22.52	22.91	23.00
		MID	QPSK	22.73	22.35	22.81	23.00
		HIGH	QPSK	22.70	22.37	22.76	23.00
	25	LOW	QPSK	22.49	22.68	22.82	23.00
5	1	LOW	Q16	22.87	22.92	22.86	23.00
		MID	Q16	22.86	22.97	22.80	23.00
		HIGH	Q16	22.86	22.74	22.85	23.00
	12	LOW	Q16	21.69	21.64	21.87	22.00
		MID	Q16	21.48	21.76	21.83	22.00
		HIGH	Q16	21.55	21.41	21.75	22.00
	25	LOW	Q16	21.48	21.43	21.67	22.00
5	1	LOW	64QAM	21.87	21.74	21.75	22.00
		MID	64QAM	21.85	21.55	21.84	22.00
		HIGH	64QAM	21.66	21.78	21.70	22.00
	12	LOW	64QAM	20.65	20.71	20.60	21.00
		MID	64QAM	20.87	20.56	20.84	21.00
		HIGH	64QAM	20.76	20.66	20.65	21.00
	25	LOW	64QAM	20.56	20.67	20.97	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	23.46	23.22	23.35	24.00
		MID	QPSK	23.32	23.47	23.80	24.00
		HIGH	QPSK	23.51	23.41	23.83	24.00
	25	LOW	QPSK	22.22	22.31	22.64	23.00
		MID	QPSK	22.62	22.60	22.86	23.00
		HIGH	QPSK	22.66	22.39	22.89	23.00
10	50	LOW	QPSK	22.60	22.36	22.89	23.00
	1	LOW	Q16	22.92	22.80	22.90	23.00
		MID	Q16	22.93	22.88	22.90	23.00
		HIGH	Q16	22.72	22.60	22.85	23.00
	25	LOW	Q16	21.60	21.62	21.56	22.00
		MID	Q16	21.48	21.67	21.96	22.00
		HIGH	Q16	21.37	21.67	21.84	22.00
	50	LOW	Q16	21.72	21.38	21.80	22.00
10	1	LOW	64QAM	21.78	21.85	21.99	22.00
		MID	64QAM	21.98	21.62	21.90	22.00
		HIGH	64QAM	21.77	21.89	21.87	22.00
	25	LOW	64QAM	20.94	20.71	20.72	21.00
		MID	64QAM	20.77	20.45	20.91	21.00
		HIGH	64QAM	20.66	20.64	20.72	21.00
	50	LOW	64QAM	20.81	20.79	20.68	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	23.53	23.29	23.63	24.00
		MID	QPSK	23.25	23.50	23.47	24.00
		HIGH	QPSK	23.51	23.62	23.90	24.00
	36	LOW	QPSK	22.34	22.38	22.91	23.00
		MID	QPSK	22.64	22.67	22.70	23.00
		HIGH	QPSK	22.36	22.55	22.80	23.00
	75	LOW	QPSK	22.49	22.45	22.69	23.00
15	1	LOW	Q16	22.94	22.67	22.92	23.00
		MID	Q16	22.86	22.90	22.84	23.00
		HIGH	Q16	22.79	22.78	22.67	23.00
	36	LOW	Q16	21.58	21.36	21.56	22.00
		MID	Q16	21.48	21.54	21.92	22.00
		HIGH	Q16	21.57	21.67	21.88	22.00
	75	LOW	Q16	21.51	21.53	21.75	22.00
15	1	LOW	64QAM	21.87	21.81	21.90	22.00
		MID	64QAM	21.93	21.57	21.84	22.00
		HIGH	64QAM	21.88	21.85	21.66	22.00
	36	LOW	64QAM	20.88	20.65	20.66	21.00
		MID	64QAM	20.89	20.47	20.74	21.00
		HIGH	64QAM	20.51	20.64	20.92	21.00
	75	LOW	64QAM	20.89	20.83	20.72	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	23.41	23.41	23.51	24.00
		MID	QPSK	23.44	23.45	23.53	24.00
		HIGH	QPSK	23.46	23.55	23.68	24.00
	50	LOW	QPSK	22.47	22.54	22.72	23.00
		MID	QPSK	22.62	22.64	22.85	23.00
		HIGH	QPSK	22.59	22.62	22.81	23.00
20	100	LOW	QPSK	22.60	22.59	22.87	23.00
		LOW	Q16	22.85	22.85	22.99	23.00
		MID	Q16	22.95	22.88	22.95	23.00
	50	HIGH	Q16	22.95	22.85	22.83	23.00
		LOW	Q16	21.58	21.53	21.78	22.00
		MID	Q16	21.63	21.65	21.94	22.00
20	100	HIGH	Q16	21.59	21.63	21.97	22.00
		LOW	Q16	21.68	21.62	21.84	22.00
		LOW	64QAM	21.76	21.94	21.97	22.00
	1	MID	64QAM	21.89	21.77	21.97	22.00
		HIGH	64QAM	21.86	21.98	21.83	22.00
		LOW	64QAM	20.86	20.65	20.64	21.00
50	MID	64QAM	20.81	20.64	20.97	21.00	
	HIGH	64QAM	20.70	20.58	20.82	21.00	
	100	LOW	64QAM	20.79	20.73	20.89	21.00

LTE B7-Level 1 -Ant.2-NSA							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	20.66	20.80	20.67	21.00
		MID	QPSK	20.75	20.77	20.60	21.00
		HIGH	QPSK	20.62	20.76	20.69	21.00
	12	LOW	QPSK	20.74	20.74	20.63	21.00
		MID	QPSK	20.65	20.66	20.74	21.00
		HIGH	QPSK	20.66	20.71	20.80	21.00
25	LOW	QPSK	20.77	20.71	20.60	21.00	
5	1	LOW	Q16	20.63	20.80	20.67	21.00
		MID	Q16	20.67	20.63	20.67	21.00
		HIGH	Q16	20.64	20.77	20.71	21.00
	12	LOW	Q16	20.60	20.70	20.71	21.00
		MID	Q16	20.63	20.68	20.64	21.00
		HIGH	Q16	20.70	20.71	20.71	21.00
	25	LOW	Q16	20.60	20.63	20.68	21.00
		LOW	64QAM	20.77	20.64	20.70	21.00
		MID	64QAM	20.69	20.76	20.79	21.00
5	1	HIGH	64QAM	20.62	20.63	20.74	21.00
		LOW	64QAM	20.73	20.62	20.73	21.00
		MID	64QAM	20.65	20.76	20.80	21.00
	12	HIGH	64QAM	20.62	20.60	20.68	21.00
		LOW	64QAM	20.69	20.73	20.61	21.00
		25	LOW	64QAM	20.69	20.73	20.61
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	20.73	20.73	20.70	21.00
		MID	QPSK	20.65	20.78	20.62	21.00
		HIGH	QPSK	20.72	20.66	20.73	21.00
	25	LOW	QPSK	20.63	20.77	20.69	21.00
		MID	QPSK	20.61	20.67	20.73	21.00
		HIGH	QPSK	20.74	20.73	20.60	21.00
50	LOW	QPSK	20.68	20.63	20.70	21.00	
10	1	LOW	Q16	20.77	20.62	20.61	21.00
		MID	Q16	20.62	20.72	20.80	21.00
		HIGH	Q16	20.67	20.71	20.73	21.00
	25	LOW	Q16	20.78	20.70	20.60	21.00
		MID	Q16	20.71	20.78	20.61	21.00
		HIGH	Q16	20.65	20.61	20.68	21.00
50	LOW	Q16	20.66	20.80	20.68	21.00	
10	1	LOW	64QAM	20.73	20.75	20.66	21.00
		MID	64QAM	20.67	20.75	20.60	21.00
		HIGH	64QAM	20.70	20.60	20.79	21.00
	25	LOW	64QAM	20.67	20.74	20.76	21.00
		MID	64QAM	20.70	20.74	20.79	21.00
		HIGH	64QAM	20.71	20.64	20.62	21.00
50	LOW	64QAM	20.60	20.79	20.61	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	20.77	20.74	20.74	21.00
		MID	QPSK	20.74	20.68	20.63	21.00
		HIGH	QPSK	20.77	20.62	20.75	21.00
	36	LOW	QPSK	20.77	20.64	20.64	21.00
		MID	QPSK	20.80	20.68	20.63	21.00
		HIGH	QPSK	20.78	20.77	20.78	21.00
	75	LOW	QPSK	20.80	20.77	20.62	21.00
15	1	LOW	Q16	20.68	20.63	20.63	21.00
		MID	Q16	20.80	20.66	20.67	21.00
		HIGH	Q16	20.76	20.78	20.63	21.00
	36	LOW	Q16	20.62	20.77	20.67	21.00
		MID	Q16	20.78	20.63	20.76	21.00
		HIGH	Q16	20.66	20.78	20.62	21.00
	75	LOW	Q16	20.76	20.68	20.71	21.00
15	1	LOW	64QAM	20.65	20.61	20.64	21.00
		MID	64QAM	20.80	20.62	20.77	21.00
		HIGH	64QAM	20.75	20.76	20.62	21.00
	36	LOW	64QAM	20.68	20.62	20.65	21.00
		MID	64QAM	20.69	20.65	20.75	21.00
		HIGH	64QAM	20.77	20.71	20.72	21.00
	75	LOW	64QAM	20.64	20.68	20.62	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	20.49	20.45	20.53	21.00
		MID	QPSK	20.45	20.45	20.37	21.00
		HIGH	QPSK	20.49	20.37	20.46	21.00
	50	LOW	QPSK	20.35	20.36	20.48	21.00
		MID	QPSK	20.49	20.36	20.59	21.00
		HIGH	QPSK	20.39	20.34	20.47	21.00
	100	LOW	QPSK	20.48	20.45	20.41	21.00
20	1	LOW	Q16	20.50	20.46	20.31	21.00
		MID	Q16	20.31	20.44	20.37	21.00
		HIGH	Q16	20.32	20.42	20.36	21.00
	50	LOW	Q16	20.32	20.31	20.39	21.00
		MID	Q16	20.35	20.31	20.46	21.00
		HIGH	Q16	20.39	20.30	20.50	21.00
	100	LOW	Q16	20.40	20.36	20.34	21.00
20	1	LOW	64QAM	20.43	20.31	20.36	21.00
		MID	64QAM	20.36	20.42	20.42	21.00
		HIGH	64QAM	20.44	20.30	20.33	21.00
	50	LOW	64QAM	20.40	20.36	20.36	21.00
		MID	64QAM	20.39	20.39	20.50	21.00
		HIGH	64QAM	20.46	20.47	20.46	21.00
	100	LOW	64QAM	20.39	20.36	20.37	21.00

LTE B7-Level 2 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	18.93	18.76	18.85	19.50
		MID	QPSK	18.87	18.83	18.62	19.50
		HIGH	QPSK	18.66	18.67	18.60	19.50
	12	LOW	QPSK	18.20	18.30	18.49	19.00
		MID	QPSK	18.31	18.12	18.20	19.00
		HIGH	QPSK	18.38	18.16	18.45	19.00
	25	LOW	QPSK	18.35	18.29	18.30	19.00
5	1	LOW	Q16	18.25	18.14	18.38	19.00
		MID	Q16	18.12	18.18	18.16	19.00
		HIGH	Q16	18.46	18.32	18.32	19.00
	12	LOW	Q16	17.49	17.19	17.37	18.00
		MID	Q16	17.41	17.21	17.26	18.00
		HIGH	Q16	17.39	17.15	17.30	18.00
	25	LOW	Q16	17.15	17.29	17.29	18.00
5	1	LOW	64QAM	17.18	17.50	17.45	18.00
		MID	64QAM	17.32	17.45	17.14	18.00
		HIGH	64QAM	17.10	17.39	17.16	18.00
	12	LOW	64QAM	16.25	16.25	16.44	17.00
		MID	64QAM	16.26	16.39	16.11	17.00
		HIGH	64QAM	16.20	16.26	16.24	17.00
	25	LOW	64QAM	16.14	16.35	16.16	17.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	18.73	18.65	18.77	19.50
		MID	QPSK	18.97	18.73	18.74	19.50
		HIGH	QPSK	19.00	18.99	18.65	19.50
	25	LOW	QPSK	18.18	18.50	18.28	19.00
		MID	QPSK	18.14	18.21	18.15	19.00
		HIGH	QPSK	18.19	18.31	18.37	19.00
	50	LOW	QPSK	18.22	18.12	18.31	19.00
10	1	LOW	Q16	18.13	18.26	18.36	19.00
		MID	Q16	18.32	18.47	18.13	19.00
		HIGH	Q16	18.30	18.40	18.37	19.00
	25	LOW	Q16	17.41	17.28	17.23	18.00
		MID	Q16	17.34	17.31	17.29	18.00
		HIGH	Q16	17.16	17.44	17.39	18.00
	50	LOW	Q16	17.32	17.46	17.37	18.00
10	1	LOW	64QAM	17.11	17.28	17.13	18.00
		MID	64QAM	17.41	17.29	17.49	18.00
		HIGH	64QAM	17.48	17.11	17.48	18.00
	25	LOW	64QAM	16.30	16.19	16.21	17.00
		MID	64QAM	16.16	16.31	16.25	17.00
		HIGH	64QAM	16.48	16.10	16.45	17.00
	50	LOW	64QAM	16.30	16.16	16.26	17.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.85	18.98	18.72	19.50
		MID	QPSK	18.77	18.66	18.67	19.50
		HIGH	QPSK	18.70	18.64	18.80	19.50
	36	LOW	QPSK	18.12	18.47	18.43	19.00
		MID	QPSK	18.41	18.29	18.24	19.00
		HIGH	QPSK	18.45	18.44	18.25	19.00
	75	LOW	QPSK	18.19	18.48	18.44	19.00
15	1	LOW	Q16	18.44	18.14	18.35	19.00
		MID	Q16	18.46	18.35	18.42	19.00
		HIGH	Q16	18.39	18.50	18.33	19.00
	36	LOW	Q16	17.49	17.46	17.23	18.00
		MID	Q16	17.35	17.33	17.10	18.00
		HIGH	Q16	17.46	17.17	17.24	18.00
	75	LOW	Q16	17.25	17.29	17.12	18.00
15	1	LOW	64QAM	17.32	17.43	17.38	18.00
		MID	64QAM	17.16	17.36	17.37	18.00
		HIGH	64QAM	17.25	17.27	17.42	18.00
	36	LOW	64QAM	16.41	16.32	16.46	17.00
		MID	64QAM	16.27	16.36	16.25	17.00
		HIGH	64QAM	16.38	16.22	16.37	17.00
	75	LOW	64QAM	16.29	16.36	16.18	17.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	18.64	19.41	19.13	19.50
		MID	QPSK	18.54	18.98	19.19	19.50
		HIGH	QPSK	18.69	19.08	19.15	19.50
	50	LOW	QPSK	17.66	18.01	18.26	19.00
		MID	QPSK	17.73	18.01	18.31	19.00
		HIGH	QPSK	17.78	18.35	18.28	19.00
	100	LOW	QPSK	17.72	18.01	18.26	19.00
20	1	LOW	Q16	18.28	18.54	18.65	19.00
		MID	Q16	18.14	18.62	18.67	19.00
		HIGH	Q16	18.26	18.69	18.63	19.00
	50	LOW	Q16	16.68	17.02	17.31	18.00
		MID	Q16	16.76	17.03	17.40	18.00
		HIGH	Q16	16.80	17.07	17.38	18.00
	100	LOW	Q16	16.76	17.02	17.33	18.00
20	1	LOW	64QAM	17.35	17.63	17.78	18.00
		MID	64QAM	17.16	17.65	17.74	18.00
		HIGH	64QAM	17.31	17.87	17.90	18.00
	50	LOW	64QAM	15.81	16.17	16.34	17.00
		MID	64QAM	15.99	16.04	16.63	17.00
		HIGH	64QAM	15.95	16.29	16.65	17.00
	100	LOW	64QAM	15.99	16.29	16.36	17.00

LTE B7-Level 2 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.63	22.64	22.64	23.00
		MID	QPSK	22.61	22.62	22.78	23.00
		HIGH	QPSK	22.62	22.64	22.78	23.00
	12	LOW	QPSK	22.75	22.64	22.60	23.00
		MID	QPSK	22.75	22.71	22.64	23.00
		HIGH	QPSK	22.64	22.75	22.60	23.00
25	LOW	QPSK	22.72	22.71	22.77	23.00	
5	1	LOW	Q16	22.61	22.69	22.61	23.00
		MID	Q16	22.64	22.77	22.76	23.00
		HIGH	Q16	22.63	22.65	22.62	23.00
	12	LOW	Q16	22.64	22.69	22.65	23.00
		MID	Q16	22.72	22.74	22.60	23.00
		HIGH	Q16	22.61	22.61	22.73	23.00
25	LOW	Q16	22.63	22.62	22.76	23.00	
5	1	LOW	64QAM	22.74	22.69	22.67	23.00
		MID	64QAM	22.62	22.77	22.67	23.00
		HIGH	64QAM	22.75	22.62	22.64	23.00
	12	LOW	64QAM	22.80	22.66	22.63	23.00
		MID	64QAM	22.63	22.70	22.61	23.00
		HIGH	64QAM	22.75	22.72	22.69	23.00
25	LOW	64QAM	22.79	22.70	22.77	23.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.66	22.66	22.77	23.00
		MID	QPSK	22.79	22.71	22.67	23.00
		HIGH	QPSK	22.75	22.76	22.69	23.00
	25	LOW	QPSK	22.79	22.72	22.69	23.00
		MID	QPSK	22.60	22.73	22.77	23.00
		HIGH	QPSK	22.67	22.80	22.76	23.00
50	LOW	QPSK	22.69	22.67	22.77	23.00	
10	1	LOW	Q16	22.74	22.67	22.67	23.00
		MID	Q16	22.65	22.62	22.76	23.00
		HIGH	Q16	22.73	22.68	22.70	23.00
	25	LOW	Q16	22.62	22.61	22.80	23.00
		MID	Q16	22.75	22.62	22.63	23.00
		HIGH	Q16	22.79	22.70	22.75	23.00
50	LOW	Q16	22.64	22.65	22.61	23.00	
10	1	LOW	64QAM	22.79	22.64	22.65	23.00
		MID	64QAM	22.68	22.73	22.65	23.00
		HIGH	64QAM	22.77	22.65	22.77	23.00
	25	LOW	64QAM	22.78	22.75	22.78	23.00
		MID	64QAM	22.79	22.66	22.60	23.00
		HIGH	64QAM	22.72	22.69	22.74	23.00
50	LOW	64QAM	22.70	22.62	22.75	23.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.72	22.75	22.72	23.00
		MID	QPSK	22.64	22.75	22.80	23.00
		HIGH	QPSK	22.78	22.63	22.79	23.00
	36	LOW	QPSK	22.66	22.77	22.70	23.00
		MID	QPSK	22.65	22.62	22.79	23.00
		HIGH	QPSK	22.66	22.66	22.62	23.00
	75	LOW	QPSK	22.67	22.66	22.71	23.00
15	1	LOW	Q16	22.77	22.64	22.63	23.00
		MID	Q16	22.70	22.71	22.77	23.00
		HIGH	Q16	22.70	22.68	22.76	23.00
	36	LOW	Q16	22.72	22.70	22.77	23.00
		MID	Q16	22.72	22.67	22.66	23.00
		HIGH	Q16	22.73	22.63	22.62	23.00
	75	LOW	Q16	22.70	22.75	22.79	23.00
15	1	LOW	64QAM	22.60	22.62	22.62	23.00
		MID	64QAM	22.67	22.68	22.68	23.00
		HIGH	64QAM	22.72	22.62	22.66	23.00
	36	LOW	64QAM	22.65	22.65	22.62	23.00
		MID	64QAM	22.66	22.74	22.72	23.00
		HIGH	64QAM	22.66	22.73	22.71	23.00
	75	LOW	64QAM	22.60	22.68	22.67	23.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.69	22.78	22.69	23.00
		MID	QPSK	22.78	22.83	22.77	23.00
		HIGH	QPSK	22.65	22.70	22.71	23.00
	50	LOW	QPSK	22.66	22.71	22.78	23.00
		MID	QPSK	22.66	22.80	22.70	23.00
		HIGH	QPSK	22.72	22.62	22.74	23.00
	100	LOW	QPSK	22.65	22.79	22.66	23.00
20	1	LOW	Q16	22.79	22.72	22.63	23.00
		MID	Q16	22.79	22.61	22.67	23.00
		HIGH	Q16	22.63	22.75	22.79	23.00
	50	LOW	Q16	22.60	22.78	22.80	23.00
		MID	Q16	22.65	22.80	22.78	23.00
		HIGH	Q16	22.66	22.64	22.70	23.00
	100	LOW	Q16	22.70	22.80	22.60	23.00
20	1	LOW	64QAM	22.76	22.78	22.61	23.00
		MID	64QAM	22.63	22.80	22.69	23.00
		HIGH	64QAM	22.62	22.78	22.65	23.00
	50	LOW	64QAM	22.65	22.69	22.66	23.00
		MID	64QAM	22.66	22.78	22.74	23.00
		HIGH	64QAM	22.79	22.61	22.66	23.00
	100	LOW	64QAM	22.79	22.78	22.64	23.00

8.3.5 LTE Band12 Output Power

LTE B12-Level 1 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.73	23.88	23.71	24.00	
		MID	QPSK	23.64	23.79	23.66	24.00	
		HIGH	QPSK	23.79	23.64	23.75	24.00	
	3	LOW	QPSK	22.81	22.88	22.61	23.00	
		MID	QPSK	22.71	22.71	22.84	23.00	
		HIGH	QPSK	22.86	22.68	22.68	23.00	
1.4	6	LOW	QPSK	22.73	22.73	22.65	23.00	
		1	LOW	Q16	22.60	22.89	22.71	23.00
			MID	Q16	22.82	22.60	22.79	23.00
	HIGH		Q16	22.82	22.63	22.78	23.00	
	3	LOW	Q16	21.90	21.84	21.61	22.00	
		MID	Q16	21.77	21.85	21.70	22.00	
HIGH		Q16	21.86	21.65	21.81	22.00		
1.4	6	LOW	Q16	21.60	21.89	21.82	22.00	
		1	LOW	64QAM	21.80	21.69	21.74	22.00
			MID	64QAM	21.74	21.68	21.80	22.00
	3		HIGH	64QAM	21.86	21.64	21.78	22.00
		LOW	64QAM	20.89	20.75	20.88	21.00	
		MID	64QAM	20.88	20.62	20.74	21.00	
1.4	6	HIGH	64QAM	20.90	20.84	20.60	21.00	
		LOW	64QAM	20.85	20.77	20.72	21.00	
		Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165
	3	1	LOW	QPSK	23.63	23.73	23.60	24.00
			MID	QPSK	23.78	23.61	23.75	24.00
			HIGH	QPSK	23.74	23.83	23.67	24.00
8		LOW	QPSK	22.66	22.62	22.88	23.00	
		MID	QPSK	22.78	22.67	22.63	23.00	
		HIGH	QPSK	22.70	22.90	22.83	23.00	
3	15	LOW	QPSK	22.70	22.87	22.81	23.00	
		1	LOW	Q16	22.67	22.78	22.79	23.00
			MID	Q16	22.64	22.63	22.60	23.00
	HIGH		Q16	22.81	22.88	22.60	23.00	
	8	LOW	Q16	21.74	21.88	21.86	22.00	
		MID	Q16	21.77	21.80	21.77	22.00	
HIGH		Q16	21.74	21.76	21.67	22.00		
3	15	LOW	Q16	21.77	21.76	21.75	22.00	
		1	LOW	64QAM	21.75	21.60	21.62	22.00
			MID	64QAM	21.87	21.84	21.66	22.00
	8		HIGH	64QAM	21.84	21.70	21.90	22.00
		LOW	64QAM	20.88	20.65	20.74	21.00	
		MID	64QAM	20.86	20.69	20.69	21.00	
3	15	HIGH	64QAM	20.63	20.65	20.80	21.00	
		LOW	64QAM	20.82	20.72	20.74	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.67	23.65	23.86	24.00
		MID	QPSK	23.90	23.60	23.86	24.00
		HIGH	QPSK	23.79	23.63	23.64	24.00
	12	LOW	QPSK	22.80	22.73	22.86	23.00
		MID	QPSK	22.78	22.62	22.62	23.00
		HIGH	QPSK	22.87	22.74	22.66	23.00
	25	LOW	QPSK	22.83	22.66	22.63	23.00
5	1	LOW	Q16	22.81	22.66	22.70	23.00
		MID	Q16	22.78	22.82	22.71	23.00
		HIGH	Q16	22.65	22.69	22.68	23.00
	12	LOW	Q16	21.87	21.84	21.82	22.00
		MID	Q16	21.70	21.60	21.85	22.00
		HIGH	Q16	21.70	21.82	21.89	22.00
	25	LOW	Q16	21.89	21.62	21.65	22.00
5	1	LOW	64QAM	21.81	21.63	21.89	22.00
		MID	64QAM	21.62	21.62	21.79	22.00
		HIGH	64QAM	21.82	21.88	21.87	22.00
	12	LOW	64QAM	20.65	20.86	20.76	21.00
		MID	64QAM	20.66	20.68	20.82	21.00
		HIGH	64QAM	20.86	20.66	20.74	21.00
	25	LOW	64QAM	20.74	20.79	20.61	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.84	23.78	23.82	24.00
		MID	QPSK	23.79	23.76	23.66	24.00
		HIGH	QPSK	23.75	23.74	23.70	24.00
	25	LOW	QPSK	22.83	22.83	22.76	23.00
		MID	QPSK	22.93	22.85	22.83	23.00
		HIGH	QPSK	22.91	22.87	22.82	23.00
	50	LOW	QPSK	22.93	22.87	22.78	23.00
10	1	LOW	Q16	22.92	22.88	22.86	23.00
		MID	Q16	22.79	22.90	22.74	23.00
		HIGH	Q16	22.81	22.81	22.77	23.00
	25	LOW	Q16	21.89	21.90	21.91	22.00
		MID	Q16	21.95	21.86	21.94	22.00
		HIGH	Q16	21.94	21.93	21.95	22.00
	50	LOW	Q16	21.93	21.88	21.82	22.00
10	1	LOW	64QAM	21.83	21.88	21.84	22.00
		MID	64QAM	21.84	21.90	21.78	22.00
		HIGH	64QAM	21.90	21.81	21.95	22.00
	25	LOW	64QAM	20.78	20.84	20.92	21.00
		MID	64QAM	20.95	20.76	20.94	21.00
		HIGH	64QAM	20.95	20.86	20.89	21.00
	50	LOW	64QAM	20.82	20.91	20.90	21.00

LTE B12-Level 2 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.73	23.88	23.71	24.00
		MID	QPSK	23.64	23.79	23.66	24.00
		HIGH	QPSK	23.79	23.64	23.75	24.00
	3	LOW	QPSK	22.81	22.88	22.61	23.00
		MID	QPSK	22.71	22.71	22.84	23.00
		HIGH	QPSK	22.86	22.68	22.68	23.00
6	LOW	QPSK	22.73	22.73	22.65	23.00	
1.4	1	LOW	Q16	22.60	22.89	22.71	23.00
		MID	Q16	22.82	22.60	22.79	23.00
		HIGH	Q16	22.82	22.63	22.78	23.00
	3	LOW	Q16	21.90	21.84	21.61	22.00
		MID	Q16	21.77	21.85	21.70	22.00
		HIGH	Q16	21.86	21.65	21.81	22.00
6	LOW	Q16	21.60	21.89	21.82	22.00	
1.4	1	LOW	64QAM	21.80	21.69	21.74	22.00
		MID	64QAM	21.74	21.68	21.80	22.00
		HIGH	64QAM	21.86	21.64	21.78	22.00
	3	LOW	64QAM	20.89	20.75	20.88	21.00
		MID	64QAM	20.88	20.62	20.74	21.00
		HIGH	64QAM	20.90	20.84	20.60	21.00
6	LOW	64QAM	20.85	20.77	20.72	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.63	23.73	23.60	24.00
		MID	QPSK	23.78	23.61	23.75	24.00
		HIGH	QPSK	23.74	23.83	23.67	24.00
	8	LOW	QPSK	22.66	22.62	22.88	23.00
		MID	QPSK	22.78	22.67	22.63	23.00
		HIGH	QPSK	22.70	22.90	22.83	23.00
15	LOW	QPSK	22.70	22.87	22.81	23.00	
3	1	LOW	Q16	22.67	22.78	22.79	23.00
		MID	Q16	22.64	22.63	22.60	23.00
		HIGH	Q16	22.81	22.88	22.60	23.00
	8	LOW	Q16	21.74	21.88	21.86	22.00
		MID	Q16	21.77	21.80	21.77	22.00
		HIGH	Q16	21.74	21.76	21.67	22.00
15	LOW	Q16	21.77	21.76	21.75	22.00	
3	1	LOW	64QAM	21.75	21.60	21.62	22.00
		MID	64QAM	21.87	21.84	21.66	22.00
		HIGH	64QAM	21.84	21.70	21.90	22.00
	8	LOW	64QAM	20.88	20.65	20.74	21.00
		MID	64QAM	20.86	20.69	20.69	21.00
		HIGH	64QAM	20.63	20.65	20.80	21.00
15	LOW	64QAM	20.82	20.72	20.74	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.67	23.65	23.86	24.00
		MID	QPSK	23.90	23.60	23.86	24.00
		HIGH	QPSK	23.79	23.63	23.64	24.00
	12	LOW	QPSK	22.80	22.73	22.86	23.00
		MID	QPSK	22.78	22.62	22.62	23.00
		HIGH	QPSK	22.87	22.74	22.66	23.00
	25	LOW	QPSK	22.83	22.66	22.63	23.00
5	1	LOW	Q16	22.81	22.66	22.70	23.00
		MID	Q16	22.78	22.82	22.71	23.00
		HIGH	Q16	22.65	22.69	22.68	23.00
	12	LOW	Q16	21.87	21.84	21.82	22.00
		MID	Q16	21.70	21.60	21.85	22.00
		HIGH	Q16	21.70	21.82	21.89	22.00
	25	LOW	Q16	21.89	21.62	21.65	22.00
5	1	LOW	64QAM	21.81	21.63	21.89	22.00
		MID	64QAM	21.62	21.62	21.79	22.00
		HIGH	64QAM	21.82	21.88	21.87	22.00
	12	LOW	64QAM	20.65	20.86	20.76	21.00
		MID	64QAM	20.66	20.68	20.82	21.00
		HIGH	64QAM	20.86	20.66	20.74	21.00
	25	LOW	64QAM	20.74	20.79	20.61	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.84	23.78	23.82	24.00
		MID	QPSK	23.79	23.76	23.66	24.00
		HIGH	QPSK	23.75	23.74	23.70	24.00
	25	LOW	QPSK	22.83	22.83	22.76	23.00
		MID	QPSK	22.93	22.85	22.83	23.00
		HIGH	QPSK	22.91	22.87	22.82	23.00
	50	LOW	QPSK	22.93	22.87	22.78	23.00
10	1	LOW	Q16	22.92	22.88	22.86	23.00
		MID	Q16	22.79	22.90	22.74	23.00
		HIGH	Q16	22.81	22.81	22.77	23.00
	25	LOW	Q16	21.89	21.90	21.91	22.00
		MID	Q16	21.95	21.86	21.94	22.00
		HIGH	Q16	21.94	21.93	21.95	22.00
	50	LOW	Q16	21.93	21.88	21.82	22.00
10	1	LOW	64QAM	21.83	21.88	21.84	22.00
		MID	64QAM	21.84	21.90	21.78	22.00
		HIGH	64QAM	21.90	21.81	21.95	22.00
	25	LOW	64QAM	20.78	20.84	20.92	21.00
		MID	64QAM	20.95	20.76	20.94	21.00
		HIGH	64QAM	20.95	20.86	20.89	21.00
	50	LOW	64QAM	20.82	20.91	20.90	21.00

LTE B12-State 18 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.76	22.72	22.88	23.00
		MID	QPSK	22.82	22.76	22.70	23.00
		HIGH	QPSK	22.63	22.67	22.65	23.00
	3	LOW	QPSK	21.62	21.65	21.77	22.00
		MID	QPSK	21.79	21.67	21.78	22.00
		HIGH	QPSK	21.60	21.66	21.68	22.00
6	LOW	QPSK	21.71	21.65	21.67	22.00	
1.4	1	LOW	Q16	21.75	21.76	21.69	22.00
		MID	Q16	21.64	21.86	21.72	22.00
		HIGH	Q16	21.77	21.81	21.89	22.00
	3	LOW	Q16	20.67	20.80	20.69	21.00
		MID	Q16	20.68	20.72	20.85	21.00
		HIGH	Q16	20.72	20.70	20.67	21.00
	6	LOW	Q16	20.85	20.83	20.68	21.00
		LOW	64QAM	20.72	20.70	20.72	21.00
		MID	64QAM	20.66	20.84	20.90	21.00
1.4	1	HIGH	64QAM	20.83	20.85	20.63	21.00
		LOW	64QAM	19.66	19.75	19.88	20.00
		MID	64QAM	19.76	19.67	19.82	20.00
	3	HIGH	64QAM	19.77	19.62	19.68	20.00
		LOW	64QAM	19.84	19.82	19.84	20.00
		6	LOW	64QAM	19.84	19.82	19.84
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	22.80	22.68	22.80	23.00
		MID	QPSK	22.90	22.63	22.76	23.00
		HIGH	QPSK	22.90	22.62	22.79	23.00
	8	LOW	QPSK	21.71	21.78	21.87	22.00
		MID	QPSK	21.89	21.63	21.67	22.00
		HIGH	QPSK	21.77	21.87	21.73	22.00
15	LOW	QPSK	21.63	21.85	21.76	22.00	
3	1	LOW	Q16	21.79	21.62	21.60	22.00
		MID	Q16	21.61	21.64	21.71	22.00
		HIGH	Q16	21.62	21.61	21.83	22.00
	8	LOW	Q16	20.61	20.63	20.74	21.00
		MID	Q16	20.64	20.65	20.72	21.00
		HIGH	Q16	20.68	20.82	20.63	21.00
15	LOW	Q16	20.82	20.84	20.60	21.00	
3	1	LOW	64QAM	20.63	20.90	20.75	21.00
		MID	64QAM	20.60	20.70	20.70	21.00
		HIGH	64QAM	20.67	20.76	20.87	21.00
	8	LOW	64QAM	19.71	19.74	19.90	20.00
		MID	64QAM	19.78	19.87	19.67	20.00
		HIGH	64QAM	19.62	19.82	19.80	20.00
15	LOW	64QAM	19.81	19.66	19.90	20.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	22.75	22.79	22.82	23.00
		MID	QPSK	22.77	22.65	22.86	23.00
		HIGH	QPSK	22.81	22.64	22.65	23.00
	12	LOW	QPSK	21.73	21.81	21.74	22.00
		MID	QPSK	21.75	21.69	21.73	22.00
		HIGH	QPSK	21.89	21.79	21.74	22.00
	25	LOW	QPSK	21.71	21.70	21.90	22.00
5	1	LOW	Q16	21.81	21.65	21.74	22.00
		MID	Q16	21.79	21.81	21.71	22.00
		HIGH	Q16	21.80	21.69	21.64	22.00
	12	LOW	Q16	20.61	20.70	20.66	21.00
		MID	Q16	20.67	20.72	20.82	21.00
		HIGH	Q16	20.80	20.87	20.72	21.00
	25	LOW	Q16	20.88	20.64	20.89	21.00
5	1	LOW	64QAM	20.84	20.75	20.74	21.00
		MID	64QAM	20.62	20.86	20.74	21.00
		HIGH	64QAM	20.67	20.71	20.68	21.00
	12	LOW	64QAM	19.77	19.88	19.60	20.00
		MID	64QAM	19.66	19.60	19.62	20.00
		HIGH	64QAM	19.73	19.69	19.84	20.00
	25	LOW	64QAM	19.74	19.71	19.86	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	22.99	22.94	22.85	23.00
		MID	QPSK	22.89	22.89	22.69	23.00
		HIGH	QPSK	22.85	22.77	22.57	23.00
	25	LOW	QPSK	21.81	21.71	21.70	22.00
		MID	QPSK	21.82	21.71	21.67	22.00
		HIGH	QPSK	21.78	21.64	21.60	22.00
	50	LOW	QPSK	21.84	21.71	21.68	22.00
10	1	LOW	Q16	21.93	21.82	21.97	22.00
		MID	Q16	21.93	21.80	21.93	22.00
		HIGH	Q16	21.84	21.76	21.84	22.00
	25	LOW	Q16	20.84	20.96	20.96	21.00
		MID	Q16	20.93	20.98	20.84	21.00
		HIGH	Q16	20.91	20.85	20.87	21.00
	50	LOW	Q16	20.89	20.92	20.89	21.00
10	1	LOW	64QAM	20.82	20.83	20.82	21.00
		MID	64QAM	20.77	20.55	20.92	21.00
		HIGH	64QAM	20.82	20.53	20.95	21.00
	25	LOW	64QAM	19.87	19.79	19.92	20.00
		MID	64QAM	19.95	19.88	19.71	20.00
		HIGH	64QAM	19.72	19.94	19.91	20.00
	50	LOW	64QAM	19.86	19.87	19.87	20.00

LTE B12-State 20 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.76	22.72	22.88	23.00	
		MID	QPSK	22.82	22.76	22.70	23.00	
		HIGH	QPSK	22.63	22.67	22.65	23.00	
	3	LOW	QPSK	21.62	21.65	21.77	22.00	
		MID	QPSK	21.79	21.67	21.78	22.00	
		HIGH	QPSK	21.60	21.66	21.68	22.00	
6	LOW	QPSK	21.71	21.65	21.67	22.00		
1.4	1	LOW	Q16	21.75	21.76	21.69	22.00	
		MID	Q16	21.64	21.86	21.72	22.00	
		HIGH	Q16	21.77	21.81	21.89	22.00	
	3	LOW	Q16	20.67	20.80	20.69	21.00	
		MID	Q16	20.68	20.72	20.85	21.00	
		HIGH	Q16	20.72	20.70	20.67	21.00	
	6	LOW	Q16	20.85	20.83	20.68	21.00	
	1.4	1	LOW	64QAM	20.72	20.70	20.72	21.00
			MID	64QAM	20.66	20.84	20.90	21.00
HIGH			64QAM	20.83	20.85	20.63	21.00	
3		LOW	64QAM	19.66	19.75	19.88	20.00	
		MID	64QAM	19.76	19.67	19.82	20.00	
		HIGH	64QAM	19.77	19.62	19.68	20.00	
6	LOW	64QAM	19.84	19.82	19.84	20.00		
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)	
3	1	LOW	QPSK	22.80	22.68	22.80	23.00	
		MID	QPSK	22.90	22.63	22.76	23.00	
		HIGH	QPSK	22.90	22.62	22.79	23.00	
	8	LOW	QPSK	21.71	21.78	21.87	22.00	
		MID	QPSK	21.89	21.63	21.67	22.00	
		HIGH	QPSK	21.77	21.87	21.73	22.00	
15	LOW	QPSK	21.63	21.85	21.76	22.00		
3	1	LOW	Q16	21.79	21.62	21.60	22.00	
		MID	Q16	21.61	21.64	21.71	22.00	
		HIGH	Q16	21.62	21.61	21.83	22.00	
	8	LOW	Q16	20.61	20.63	20.74	21.00	
		MID	Q16	20.64	20.65	20.72	21.00	
		HIGH	Q16	20.68	20.82	20.63	21.00	
15	LOW	Q16	20.82	20.84	20.60	21.00		
3	1	LOW	64QAM	20.63	20.90	20.75	21.00	
		MID	64QAM	20.60	20.70	20.70	21.00	
		HIGH	64QAM	20.67	20.76	20.87	21.00	
	8	LOW	64QAM	19.71	19.74	19.90	20.00	
		MID	64QAM	19.78	19.87	19.67	20.00	
		HIGH	64QAM	19.62	19.82	19.80	20.00	
15	LOW	64QAM	19.81	19.66	19.90	20.00		

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	22.75	22.79	22.82	23.00
		MID	QPSK	22.77	22.65	22.86	23.00
		HIGH	QPSK	22.81	22.64	22.65	23.00
	12	LOW	QPSK	21.73	21.81	21.74	22.00
		MID	QPSK	21.75	21.69	21.73	22.00
		HIGH	QPSK	21.89	21.79	21.74	22.00
	25	LOW	QPSK	21.71	21.70	21.90	22.00
5	1	LOW	Q16	21.81	21.65	21.74	22.00
		MID	Q16	21.79	21.81	21.71	22.00
		HIGH	Q16	21.80	21.69	21.64	22.00
	12	LOW	Q16	20.61	20.70	20.66	21.00
		MID	Q16	20.67	20.72	20.82	21.00
		HIGH	Q16	20.80	20.87	20.72	21.00
	25	LOW	Q16	20.88	20.64	20.89	21.00
5	1	LOW	64QAM	20.84	20.75	20.74	21.00
		MID	64QAM	20.62	20.86	20.74	21.00
		HIGH	64QAM	20.67	20.71	20.68	21.00
	12	LOW	64QAM	19.77	19.88	19.60	20.00
		MID	64QAM	19.66	19.60	19.62	20.00
		HIGH	64QAM	19.73	19.69	19.84	20.00
	25	LOW	64QAM	19.74	19.71	19.86	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	22.99	22.94	22.85	23.00
		MID	QPSK	22.89	22.89	22.69	23.00
		HIGH	QPSK	22.85	22.77	22.57	23.00
	25	LOW	QPSK	21.81	21.71	21.70	22.00
		MID	QPSK	21.82	21.71	21.67	22.00
		HIGH	QPSK	21.78	21.64	21.60	22.00
	50	LOW	QPSK	21.84	21.71	21.68	22.00
10	1	LOW	Q16	21.93	21.82	21.97	22.00
		MID	Q16	21.93	21.80	21.93	22.00
		HIGH	Q16	21.84	21.76	21.84	22.00
	25	LOW	Q16	20.84	20.96	20.96	21.00
		MID	Q16	20.93	20.98	20.84	21.00
		HIGH	Q16	20.91	20.85	20.87	21.00
	50	LOW	Q16	20.89	20.92	20.89	21.00
10	1	LOW	64QAM	20.82	20.83	20.82	21.00
		MID	64QAM	20.77	20.55	20.92	21.00
		HIGH	64QAM	20.82	20.53	20.95	21.00
	25	LOW	64QAM	19.87	19.79	19.92	20.00
		MID	64QAM	19.95	19.88	19.71	20.00
		HIGH	64QAM	19.72	19.94	19.91	20.00
	50	LOW	64QAM	19.86	19.87	19.87	20.00

8.3.6 LTE Band17 Output Power

LTE B17-State 12 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.76	23.89	23.85	24.00
		MID	QPSK	23.80	23.83	23.79	24.00
		HIGH	QPSK	23.85	23.70	23.77	24.00
	12	LOW	QPSK	22.75	22.81	22.75	23.00
		MID	QPSK	22.73	22.89	22.81	23.00
		HIGH	QPSK	22.88	22.73	22.78	23.00
	25	LOW	QPSK	22.76	22.80	22.75	23.00
5	1	LOW	Q16	22.82	22.81	22.73	23.00
		MID	Q16	22.77	22.82	22.79	23.00
		HIGH	Q16	22.89	22.72	22.89	23.00
	12	LOW	Q16	21.89	21.78	21.85	22.00
		MID	Q16	21.81	21.81	21.72	22.00
		HIGH	Q16	21.88	21.77	21.72	22.00
	25	LOW	Q16	21.88	21.72	21.84	22.00
5	1	LOW	64QAM	21.77	21.74	21.85	22.00
		MID	64QAM	21.72	21.72	21.82	22.00
		HIGH	64QAM	21.74	21.75	21.74	22.00
	12	LOW	64QAM	20.87	20.86	20.79	21.00
		MID	64QAM	20.83	20.82	20.76	21.00
		HIGH	64QAM	20.83	20.72	20.77	21.00
	25	LOW	64QAM	20.81	20.82	20.81	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.79	23.80	23.81	24.00
		MID	QPSK	23.83	23.78	23.73	24.00
		HIGH	QPSK	23.79	23.69	23.73	24.00
	25	LOW	QPSK	22.88	22.89	22.87	23.00
		MID	QPSK	22.99	22.85	22.84	23.00
		HIGH	QPSK	22.86	22.78	22.72	23.00
	50	LOW	QPSK	22.92	22.86	22.84	23.00
10	1	LOW	Q16	22.87	22.93	22.86	23.00
		MID	Q16	22.81	22.82	22.82	23.00
		HIGH	Q16	22.88	22.82	22.69	23.00
	25	LOW	Q16	21.97	21.99	21.96	22.00
		MID	Q16	21.99	21.88	21.98	22.00
		HIGH	Q16	21.89	21.86	21.85	22.00
	50	LOW	Q16	21.91	21.87	21.88	22.00
10	1	LOW	64QAM	21.80	21.93	21.86	22.00
		MID	64QAM	21.88	21.80	21.71	22.00
		HIGH	64QAM	21.84	21.57	21.76	22.00
	25	LOW	64QAM	20.83	20.84	20.92	21.00
		MID	64QAM	20.84	20.96	20.85	21.00
		HIGH	64QAM	20.85	20.94	20.98	21.00
	50	LOW	64QAM	20.85	20.97	20.76	21.00

LTE B17-State 16 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.76	23.89	23.85	24.00
		MID	QPSK	23.80	23.83	23.79	24.00
		HIGH	QPSK	23.85	23.70	23.77	24.00
	12	LOW	QPSK	22.75	22.81	22.75	23.00
		MID	QPSK	22.73	22.89	22.81	23.00
		HIGH	QPSK	22.88	22.73	22.78	23.00
	25	LOW	QPSK	22.76	22.80	22.75	23.00
5	1	LOW	Q16	22.82	22.81	22.73	23.00
		MID	Q16	22.77	22.82	22.79	23.00
		HIGH	Q16	22.89	22.72	22.89	23.00
	12	LOW	Q16	21.89	21.78	21.85	22.00
		MID	Q16	21.81	21.81	21.72	22.00
		HIGH	Q16	21.88	21.77	21.72	22.00
	25	LOW	Q16	21.88	21.72	21.84	22.00
5	1	LOW	64QAM	21.77	21.74	21.85	22.00
		MID	64QAM	21.72	21.72	21.82	22.00
		HIGH	64QAM	21.74	21.75	21.74	22.00
	12	LOW	64QAM	20.87	20.86	20.79	21.00
		MID	64QAM	20.83	20.82	20.76	21.00
		HIGH	64QAM	20.83	20.72	20.77	21.00
	25	LOW	64QAM	20.81	20.82	20.81	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.79	23.80	23.81	24.00
		MID	QPSK	23.83	23.78	23.73	24.00
		HIGH	QPSK	23.79	23.69	23.73	24.00
	25	LOW	QPSK	22.88	22.89	22.87	23.00
		MID	QPSK	22.99	22.85	22.84	23.00
		HIGH	QPSK	22.86	22.78	22.72	23.00
	50	LOW	QPSK	22.92	22.86	22.84	23.00
10	1	LOW	Q16	22.87	22.93	22.86	23.00
		MID	Q16	22.81	22.82	22.82	23.00
		HIGH	Q16	22.88	22.82	22.69	23.00
	25	LOW	Q16	21.97	21.99	21.96	22.00
		MID	Q16	21.99	21.88	21.98	22.00
		HIGH	Q16	21.89	21.86	21.85	22.00
	50	LOW	Q16	21.91	21.87	21.88	22.00
10	1	LOW	64QAM	21.80	21.93	21.86	22.00
		MID	64QAM	21.88	21.80	21.71	22.00
		HIGH	64QAM	21.84	21.57	21.76	22.00
	25	LOW	64QAM	20.83	20.84	20.92	21.00
		MID	64QAM	20.84	20.96	20.85	21.00
		HIGH	64QAM	20.85	20.94	20.98	21.00
	50	LOW	64QAM	20.85	20.97	20.76	21.00

LTE B17-State 18 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.74	22.83	22.83	23.00
		MID	QPSK	22.85	22.86	22.77	23.00
		HIGH	QPSK	22.82	22.81	22.76	23.00
	12	LOW	QPSK	21.87	21.80	21.83	22.00
		MID	QPSK	21.85	21.70	21.90	22.00
		HIGH	QPSK	21.77	21.87	21.79	22.00
	25	LOW	QPSK	21.88	21.83	21.87	22.00
5	1	LOW	Q16	21.88	21.72	21.72	22.00
		MID	Q16	21.72	21.83	21.90	22.00
		HIGH	Q16	21.77	21.87	21.70	22.00
	12	LOW	Q16	20.78	20.80	20.71	21.00
		MID	Q16	20.71	20.71	20.79	21.00
		HIGH	Q16	20.86	20.70	20.85	21.00
	25	LOW	Q16	20.83	20.87	20.84	21.00
5	1	LOW	64QAM	20.76	20.76	20.81	21.00
		MID	64QAM	20.74	20.79	20.82	21.00
		HIGH	64QAM	20.84	20.78	20.84	21.00
	12	LOW	64QAM	19.80	19.74	19.76	20.00
		MID	64QAM	19.72	19.70	19.89	20.00
		HIGH	64QAM	19.83	19.90	19.76	20.00
	25	LOW	64QAM	19.90	19.77	19.76	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	22.88	22.87	22.83	23.00
		MID	QPSK	22.79	22.68	22.81	23.00
		HIGH	QPSK	22.62	22.61	22.55	23.00
	25	LOW	QPSK	21.96	21.84	21.92	22.00
		MID	QPSK	21.88	21.85	21.90	22.00
		HIGH	QPSK	21.79	21.72	21.66	22.00
	50	LOW	QPSK	21.87	21.83	21.86	22.00
10	1	LOW	Q16	21.89	21.89	21.89	22.00
		MID	Q16	21.91	21.75	21.77	22.00
		HIGH	Q16	21.85	21.62	21.61	22.00
	25	LOW	Q16	20.98	20.95	20.98	21.00
		MID	Q16	20.93	20.96	20.98	21.00
		HIGH	Q16	20.84	20.84	20.74	21.00
	50	LOW	Q16	20.91	20.89	20.87	21.00
10	1	LOW	64QAM	20.84	20.87	20.72	21.00
		MID	64QAM	20.94	20.80	20.69	21.00
		HIGH	64QAM	20.90	20.44	20.68	21.00
	25	LOW	64QAM	19.82	19.78	19.90	20.00
		MID	64QAM	19.95	19.99	20.00	20.00
		HIGH	64QAM	19.94	19.93	19.82	20.00
	50	LOW	64QAM	19.99	19.79	19.94	20.00

LTE B17-State 20 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.74	22.83	22.83	23.00
		MID	QPSK	22.85	22.86	22.77	23.00
		HIGH	QPSK	22.82	22.81	22.76	23.00
	12	LOW	QPSK	21.87	21.80	21.83	22.00
		MID	QPSK	21.85	21.70	21.90	22.00
		HIGH	QPSK	21.77	21.87	21.79	22.00
	25	LOW	QPSK	21.88	21.83	21.87	22.00
5	1	LOW	Q16	21.88	21.72	21.72	22.00
		MID	Q16	21.72	21.83	21.90	22.00
		HIGH	Q16	21.77	21.87	21.70	22.00
	12	LOW	Q16	20.78	20.80	20.71	21.00
		MID	Q16	20.71	20.71	20.79	21.00
		HIGH	Q16	20.86	20.70	20.85	21.00
	25	LOW	Q16	20.83	20.87	20.84	21.00
5	1	LOW	64QAM	20.76	20.76	20.81	21.00
		MID	64QAM	20.74	20.79	20.82	21.00
		HIGH	64QAM	20.84	20.78	20.84	21.00
	12	LOW	64QAM	19.80	19.74	19.76	20.00
		MID	64QAM	19.72	19.70	19.89	20.00
		HIGH	64QAM	19.83	19.90	19.76	20.00
	25	LOW	64QAM	19.90	19.77	19.76	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	22.88	22.87	22.83	23.00
		MID	QPSK	22.79	22.68	22.81	23.00
		HIGH	QPSK	22.62	22.61	22.55	23.00
	25	LOW	QPSK	21.96	21.84	21.92	22.00
		MID	QPSK	21.88	21.85	21.90	22.00
		HIGH	QPSK	21.79	21.72	21.66	22.00
	50	LOW	QPSK	21.87	21.83	21.86	22.00
10	1	LOW	Q16	21.89	21.89	21.89	22.00
		MID	Q16	21.91	21.75	21.77	22.00
		HIGH	Q16	21.85	21.62	21.61	22.00
	25	LOW	Q16	20.98	20.95	20.98	21.00
		MID	Q16	20.93	20.96	20.98	21.00
		HIGH	Q16	20.84	20.84	20.74	21.00
	50	LOW	Q16	20.91	20.89	20.87	21.00
10	1	LOW	64QAM	20.84	20.87	20.72	21.00
		MID	64QAM	20.94	20.80	20.69	21.00
		HIGH	64QAM	20.90	20.44	20.68	21.00
	25	LOW	64QAM	19.82	19.78	19.90	20.00
		MID	64QAM	19.95	19.99	20.00	20.00
		HIGH	64QAM	19.94	19.93	19.82	20.00
	50	LOW	64QAM	19.99	19.79	19.94	20.00

8.3.7 LTE Band26 Output Power

LTE B26-State 26 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.76	23.73	23.77	24.00
		MID	QPSK	23.87	23.80	23.85	24.00
		HIGH	QPSK	23.90	23.84	23.76	24.00
	3	LOW	QPSK	22.85	22.89	22.75	23.00
		MID	QPSK	22.76	22.73	22.90	23.00
		HIGH	QPSK	22.83	22.87	22.70	23.00
1.4	1	LOW	QPSK	22.81	22.90	22.74	23.00
	3	LOW	Q16	22.84	22.78	22.81	23.00
		MID	Q16	22.90	22.76	22.75	23.00
		HIGH	Q16	22.80	22.85	22.73	23.00
	3	LOW	Q16	21.87	21.89	21.85	22.00
		MID	Q16	21.78	21.84	21.84	22.00
1.4	1	LOW	Q16	21.84	21.82	21.72	22.00
		MID	Q16	21.74	21.89	21.70	22.00
		HIGH	Q16	21.86	21.78	21.90	22.00
	3	LOW	64QAM	21.84	21.74	21.88	22.00
		MID	64QAM	21.82	21.89	21.77	22.00
		HIGH	64QAM	20.87	20.74	20.79	21.00
1.4	1	LOW	64QAM	20.90	20.78	20.78	21.00
		MID	64QAM	20.80	20.77	20.82	21.00
		HIGH	64QAM	20.80	20.72	20.78	21.00
	3	LOW	64QAM	20.80	20.72	20.78	21.00
	15	LOW	QPSK	23.87	23.85	23.73	24.00
		MID	QPSK	23.76	23.88	23.86	24.00
3	8	LOW	QPSK	23.88	23.71	23.73	24.00
		MID	QPSK	22.90	22.75	22.72	23.00
		HIGH	QPSK	22.90	22.78	22.87	23.00
	15	LOW	QPSK	22.71	22.84	22.71	23.00
		MID	QPSK	22.73	22.87	22.85	23.00
		HIGH	QPSK	22.83	22.71	22.88	23.00
3	8	LOW	Q16	22.90	22.74	22.90	23.00
		MID	Q16	22.79	22.84	22.78	23.00
		HIGH	Q16	21.77	21.78	21.77	22.00
	15	LOW	Q16	21.87	21.86	21.90	22.00
		MID	Q16	21.83	21.70	21.72	22.00
		HIGH	Q16	21.77	21.87	21.71	22.00
3	8	LOW	64QAM	21.83	21.90	21.74	22.00
		MID	64QAM	21.85	21.76	21.80	22.00
		HIGH	64QAM	21.70	21.86	21.72	22.00
	15	LOW	64QAM	20.73	20.78	20.84	21.00
		MID	64QAM	20.77	20.88	20.80	21.00
		HIGH	64QAM	20.90	20.82	20.72	21.00
3	15	LOW	64QAM	20.70	20.76	20.74	21.00
		MID	64QAM	20.70	20.76	20.74	21.00
		HIGH	64QAM	20.70	20.76	20.74	21.00
	15	LOW	64QAM	20.70	20.76	20.74	21.00
		MID	64QAM	20.70	20.76	20.74	21.00
		HIGH	64QAM	20.70	20.76	20.74	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.80	23.75	23.78	24.00
		MID	QPSK	23.73	23.79	23.88	24.00
		HIGH	QPSK	23.81	23.83	23.84	24.00
	12	LOW	QPSK	22.85	22.86	22.71	23.00
		MID	QPSK	22.84	22.85	22.88	23.00
		HIGH	QPSK	22.72	22.85	22.74	23.00
	25	LOW	QPSK	22.85	22.82	22.85	23.00
5	1	LOW	Q16	22.71	22.77	22.81	23.00
		MID	Q16	22.71	22.87	22.72	23.00
		HIGH	Q16	22.87	22.80	22.84	23.00
	12	LOW	Q16	21.74	21.70	21.78	22.00
		MID	Q16	21.70	21.87	21.86	22.00
		HIGH	Q16	21.74	21.79	21.77	22.00
	25	LOW	Q16	21.82	21.88	21.70	22.00
5	1	LOW	64QAM	21.90	21.86	21.89	22.00
		MID	64QAM	21.77	21.79	21.78	22.00
		HIGH	64QAM	21.82	21.89	21.85	22.00
	12	LOW	64QAM	20.73	20.72	20.72	21.00
		MID	64QAM	20.81	20.81	20.78	21.00
		HIGH	64QAM	20.80	20.74	20.78	21.00
	25	LOW	64QAM	20.87	20.74	20.81	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	23.86	23.90	23.90	24.00
		MID	QPSK	23.87	23.73	23.80	24.00
		HIGH	QPSK	23.84	23.75	23.71	24.00
	25	LOW	QPSK	22.82	22.90	22.81	23.00
		MID	QPSK	22.89	22.82	22.72	23.00
		HIGH	QPSK	22.80	22.81	22.73	23.00
	50	LOW	QPSK	22.90	22.70	22.76	23.00
10	1	LOW	Q16	22.86	22.75	22.83	23.00
		MID	Q16	22.84	22.75	22.74	23.00
		HIGH	Q16	22.84	22.76	22.74	23.00
	25	LOW	Q16	21.85	21.71	21.77	22.00
		MID	Q16	21.75	21.80	21.90	22.00
		HIGH	Q16	21.76	21.80	21.85	22.00
	50	LOW	Q16	21.89	21.77	21.86	22.00
10	1	LOW	64QAM	21.80	21.88	21.84	22.00
		MID	64QAM	21.84	21.84	21.81	22.00
		HIGH	64QAM	21.82	21.85	21.86	22.00
	25	LOW	64QAM	20.71	20.74	20.70	21.00
		MID	64QAM	20.74	20.76	20.73	21.00
		HIGH	64QAM	20.80	20.88	20.86	21.00
	50	LOW	64QAM	20.89	20.81	20.79	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.85	23.72	23.72	24.00
		MID	QPSK	23.78	23.64	23.72	24.00
		HIGH	QPSK	23.75	23.67	23.67	24.00
	36	LOW	QPSK	22.92	22.71	22.72	23.00
		MID	QPSK	22.85	22.75	22.80	23.00
		HIGH	QPSK	22.85	22.74	22.82	23.00
	75	LOW	QPSK	22.90	22.73	22.76	23.00
15	1	LOW	Q16	22.82	22.95	22.82	23.00
		MID	Q16	22.68	22.87	22.88	23.00
		HIGH	Q16	22.67	22.85	22.81	23.00
	36	LOW	Q16	21.90	21.77	21.71	22.00
		MID	Q16	21.86	21.78	21.78	22.00
		HIGH	Q16	21.87	21.80	21.80	22.00
	75	LOW	Q16	21.89	21.80	21.76	22.00
15	1	LOW	64QAM	21.47	21.74	21.60	22.00
		MID	64QAM	21.57	21.95	21.88	22.00
		HIGH	64QAM	21.59	21.87	21.68	22.00
	36	LOW	64QAM	20.84	20.77	20.51	21.00
		MID	64QAM	20.86	20.88	20.81	21.00
		HIGH	64QAM	20.81	20.64	20.70	21.00
	75	LOW	64QAM	20.97	20.76	20.33	21.00

LTE B26-State 16 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.76	23.73	23.77	24.00
		MID	QPSK	23.87	23.80	23.85	24.00
		HIGH	QPSK	23.90	23.84	23.76	24.00
	3	LOW	QPSK	22.85	22.89	22.75	23.00
		MID	QPSK	22.76	22.73	22.90	23.00
		HIGH	QPSK	22.83	22.87	22.70	23.00
6	LOW	QPSK	22.81	22.90	22.74	23.00	
1.4	1	LOW	Q16	22.84	22.78	22.81	23.00
		MID	Q16	22.90	22.76	22.75	23.00
		HIGH	Q16	22.80	22.85	22.73	23.00
	3	LOW	Q16	21.87	21.89	21.85	22.00
		MID	Q16	21.78	21.84	21.84	22.00
		HIGH	Q16	21.84	21.82	21.72	22.00
6	LOW	Q16	21.74	21.89	21.70	22.00	
1.4	1	LOW	64QAM	21.86	21.78	21.90	22.00
		MID	64QAM	21.84	21.74	21.88	22.00
		HIGH	64QAM	21.82	21.89	21.77	22.00
	3	LOW	64QAM	20.87	20.74	20.79	21.00
		MID	64QAM	20.90	20.78	20.78	21.00
		HIGH	64QAM	20.80	20.77	20.82	21.00
6	LOW	64QAM	20.80	20.72	20.78	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.87	23.85	23.73	24.00
		MID	QPSK	23.76	23.88	23.86	24.00
		HIGH	QPSK	23.88	23.71	23.73	24.00
	8	LOW	QPSK	22.90	22.75	22.72	23.00
		MID	QPSK	22.90	22.78	22.87	23.00
		HIGH	QPSK	22.71	22.84	22.71	23.00
15	LOW	QPSK	22.73	22.87	22.85	23.00	
3	1	LOW	Q16	22.83	22.71	22.88	23.00
		MID	Q16	22.90	22.74	22.90	23.00
		HIGH	Q16	22.79	22.84	22.78	23.00
	8	LOW	Q16	21.77	21.78	21.77	22.00
		MID	Q16	21.87	21.86	21.90	22.00
		HIGH	Q16	21.83	21.70	21.72	22.00
15	LOW	Q16	21.77	21.87	21.71	22.00	
3	1	LOW	64QAM	21.83	21.90	21.74	22.00
		MID	64QAM	21.85	21.76	21.80	22.00
		HIGH	64QAM	21.70	21.86	21.72	22.00
	8	LOW	64QAM	20.73	20.78	20.84	21.00
		MID	64QAM	20.77	20.88	20.80	21.00
		HIGH	64QAM	20.90	20.82	20.72	21.00
15	LOW	64QAM	20.70	20.76	20.74	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.80	23.75	23.78	24.00
		MID	QPSK	23.73	23.79	23.88	24.00
		HIGH	QPSK	23.81	23.83	23.84	24.00
	12	LOW	QPSK	22.85	22.86	22.71	23.00
		MID	QPSK	22.84	22.85	22.88	23.00
		HIGH	QPSK	22.72	22.85	22.74	23.00
	25	LOW	QPSK	22.85	22.82	22.85	23.00
5	1	LOW	Q16	22.71	22.77	22.81	23.00
		MID	Q16	22.71	22.87	22.72	23.00
		HIGH	Q16	22.87	22.80	22.84	23.00
	12	LOW	Q16	21.74	21.70	21.78	22.00
		MID	Q16	21.70	21.87	21.86	22.00
		HIGH	Q16	21.74	21.79	21.77	22.00
	25	LOW	Q16	21.82	21.88	21.70	22.00
5	1	LOW	64QAM	21.90	21.86	21.89	22.00
		MID	64QAM	21.77	21.79	21.78	22.00
		HIGH	64QAM	21.82	21.89	21.85	22.00
	12	LOW	64QAM	20.73	20.72	20.72	21.00
		MID	64QAM	20.81	20.81	20.78	21.00
		HIGH	64QAM	20.80	20.74	20.78	21.00
	25	LOW	64QAM	20.87	20.74	20.81	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
5	1	LOW	QPSK	23.86	23.90	23.90	24.00
		MID	QPSK	23.87	23.73	23.80	24.00
		HIGH	QPSK	23.84	23.75	23.71	24.00
	12	LOW	QPSK	22.82	22.90	22.81	23.00
		MID	QPSK	22.89	22.82	22.72	23.00
		HIGH	QPSK	22.80	22.81	22.73	23.00
	25	LOW	QPSK	22.90	22.70	22.76	23.00
5	1	LOW	Q16	22.86	22.75	22.83	23.00
		MID	Q16	22.84	22.75	22.74	23.00
		HIGH	Q16	22.84	22.76	22.74	23.00
	12	LOW	Q16	21.85	21.71	21.77	22.00
		MID	Q16	21.75	21.80	21.90	22.00
		HIGH	Q16	21.76	21.80	21.85	22.00
	25	LOW	Q16	21.89	21.77	21.86	22.00
5	1	LOW	64QAM	21.80	21.88	21.84	22.00
		MID	64QAM	21.84	21.84	21.81	22.00
		HIGH	64QAM	21.82	21.85	21.86	22.00
	12	LOW	64QAM	20.71	20.74	20.70	21.00
		MID	64QAM	20.74	20.76	20.73	21.00
		HIGH	64QAM	20.80	20.88	20.86	21.00
	25	LOW	64QAM	20.89	20.81	20.79	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.85	23.72	23.72	24.00
		MID	QPSK	23.78	23.64	23.72	24.00
		HIGH	QPSK	23.75	23.67	23.67	24.00
	36	LOW	QPSK	22.92	22.71	22.72	23.00
		MID	QPSK	22.85	22.75	22.80	23.00
		HIGH	QPSK	22.85	22.74	22.82	23.00
	75	LOW	QPSK	22.90	22.73	22.76	23.00
15	1	LOW	Q16	22.82	22.95	22.82	23.00
		MID	Q16	22.68	22.87	22.88	23.00
		HIGH	Q16	22.67	22.85	22.81	23.00
	36	LOW	Q16	21.90	21.77	21.71	22.00
		MID	Q16	21.86	21.78	21.78	22.00
		HIGH	Q16	21.87	21.80	21.80	22.00
	75	LOW	Q16	21.89	21.80	21.76	22.00
10	1	LOW	64QAM	21.47	21.74	21.60	22.00
		MID	64QAM	21.57	21.95	21.88	22.00
		HIGH	64QAM	21.59	21.87	21.68	22.00
	25	LOW	64QAM	20.84	20.77	20.51	21.00
		MID	64QAM	20.86	20.88	20.81	21.00
		HIGH	64QAM	20.81	20.64	20.70	21.00
	50	LOW	64QAM	20.97	20.76	20.33	21.00

LTE B26-State 18 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.01	23.04	22.99	23.50
		MID	QPSK	22.98	23.04	22.93	23.50
		HIGH	QPSK	22.99	23.02	22.94	23.50
	3	LOW	QPSK	21.93	22.02	21.95	22.50
		MID	QPSK	21.91	21.91	22.04	22.50
		HIGH	QPSK	22.00	21.90	21.91	22.50
6	LOW	QPSK	22.07	21.93	21.91	22.50	
1.4	1	LOW	Q16	21.99	21.97	22.07	22.50
		MID	Q16	21.90	22.00	22.01	22.50
		HIGH	Q16	21.96	22.09	21.96	22.50
	3	LOW	Q16	21.05	21.10	20.97	21.50
		MID	Q16	21.10	20.90	21.02	21.50
		HIGH	Q16	21.01	21.00	20.94	21.50
6	LOW	Q16	20.92	21.08	20.99	21.50	
1.4	1	LOW	64QAM	20.96	20.95	20.98	21.50
		MID	64QAM	20.99	20.93	20.93	21.50
		HIGH	64QAM	21.05	20.92	21.02	21.50
	3	LOW	64QAM	20.04	19.92	20.01	20.50
		MID	64QAM	19.91	20.01	19.99	20.50
		HIGH	64QAM	20.09	20.09	20.04	20.50
6	LOW	64QAM	19.94	20.09	19.99	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.04	22.97	22.93	23.50
		MID	QPSK	22.92	23.06	22.93	23.50
		HIGH	QPSK	22.93	23.00	23.03	23.50
	8	LOW	QPSK	22.04	21.99	21.95	22.50
		MID	QPSK	22.07	21.94	21.94	22.50
		HIGH	QPSK	21.99	21.92	22.05	22.50
15	LOW	QPSK	21.99	22.08	22.10	22.50	
3	1	LOW	Q16	22.03	21.94	21.92	22.50
		MID	Q16	21.97	22.02	22.04	22.50
		HIGH	Q16	21.98	22.08	22.03	22.50
	8	LOW	Q16	20.90	20.94	20.98	21.50
		MID	Q16	21.08	21.08	20.91	21.50
		HIGH	Q16	20.95	20.94	21.03	21.50
15	LOW	Q16	21.10	20.97	21.00	21.50	
3	1	LOW	64QAM	21.07	20.94	20.95	21.50
		MID	64QAM	21.09	21.06	21.08	21.50
		HIGH	64QAM	21.04	21.01	21.00	21.50
	8	LOW	64QAM	19.99	19.93	20.01	20.50
		MID	64QAM	19.99	19.96	20.10	20.50
		HIGH	64QAM	20.09	19.95	20.07	20.50
15	LOW	64QAM	20.00	20.02	19.94	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	22.99	23.10	22.94	23.50
		MID	QPSK	23.01	22.99	23.03	23.50
		HIGH	QPSK	23.08	23.01	22.91	23.50
	12	LOW	QPSK	22.09	22.09	22.02	22.50
		MID	QPSK	22.07	21.93	21.93	22.50
		HIGH	QPSK	22.08	22.08	21.90	22.50
	25	LOW	QPSK	21.90	21.98	21.97	22.50
5	1	LOW	Q16	21.94	22.10	22.08	22.50
		MID	Q16	22.00	22.01	22.07	22.50
		HIGH	Q16	21.98	22.04	22.09	22.50
	12	LOW	Q16	21.07	21.03	21.03	21.50
		MID	Q16	20.98	20.91	21.10	21.50
		HIGH	Q16	21.06	21.06	20.97	21.50
	25	LOW	Q16	20.94	20.99	21.04	21.50
5	1	LOW	64QAM	20.94	21.00	20.99	21.50
		MID	64QAM	21.00	20.94	20.98	21.50
		HIGH	64QAM	21.05	21.02	20.90	21.50
	12	LOW	64QAM	19.96	19.91	20.04	20.50
		MID	64QAM	20.09	20.09	20.05	20.50
		HIGH	64QAM	20.08	19.98	19.96	20.50
	25	LOW	64QAM	20.09	19.92	19.93	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
5	1	LOW	QPSK	23.09	23.03	23.08	23.50
		MID	QPSK	22.90	22.97	22.93	23.50
		HIGH	QPSK	22.95	23.10	23.06	23.50
	12	LOW	QPSK	21.97	21.97	22.04	22.50
		MID	QPSK	21.91	21.96	21.97	22.50
		HIGH	QPSK	21.92	21.92	21.97	22.50
	25	LOW	QPSK	21.98	22.00	21.97	22.50
5	1	LOW	Q16	21.90	21.97	21.91	22.50
		MID	Q16	22.09	21.96	21.90	22.50
		HIGH	Q16	21.94	22.00	22.07	22.50
	12	LOW	Q16	21.09	21.07	20.94	21.50
		MID	Q16	21.06	20.93	20.91	21.50
		HIGH	Q16	21.03	21.04	21.06	21.50
	25	LOW	Q16	20.99	21.04	21.10	21.50
5	1	LOW	64QAM	21.06	21.07	20.95	21.50
		MID	64QAM	20.94	21.07	20.94	21.50
		HIGH	64QAM	21.09	20.96	20.90	21.50
	12	LOW	64QAM	20.04	20.05	19.91	20.50
		MID	64QAM	20.10	20.05	19.90	20.50
		HIGH	64QAM	19.95	20.10	19.90	20.50
	25	LOW	64QAM	19.97	20.04	19.97	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.03	23.01	23.04	23.50
		MID	QPSK	23.00	22.93	23.09	23.50
		HIGH	QPSK	22.96	23.00	23.05	23.50
	36	LOW	QPSK	22.02	21.99	22.06	22.50
		MID	QPSK	22.09	22.03	22.16	22.50
		HIGH	QPSK	22.07	22.12	22.20	22.50
	75	LOW	QPSK	22.06	22.06	22.12	22.50
15	1	LOW	Q16	22.02	22.37	22.35	22.50
		MID	Q16	21.92	22.36	22.47	22.50
		HIGH	Q16	21.88	22.43	22.43	22.50
	36	LOW	Q16	21.03	21.02	21.08	21.50
		MID	Q16	21.07	21.12	21.18	21.50
		HIGH	Q16	21.10	21.18	21.19	21.50
	75	LOW	Q16	21.06	21.07	21.12	21.50
10	1	LOW	64QAM	21.07	21.46	21.30	21.50
		MID	64QAM	21.19	21.48	21.40	21.50
		HIGH	64QAM	20.99	21.47	21.46	21.50
	25	LOW	64QAM	20.04	20.33	20.15	20.50
		MID	64QAM	20.19	20.21	20.30	20.50
		HIGH	64QAM	20.32	20.46	20.28	20.50
	50	LOW	64QAM	20.09	20.31	20.13	20.50

LTE B26-State 20 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.01	23.04	22.99	23.50
		MID	QPSK	22.98	23.04	22.93	23.50
		HIGH	QPSK	22.99	23.02	22.94	23.50
	3	LOW	QPSK	21.93	22.02	21.95	22.50
		MID	QPSK	21.91	21.91	22.04	22.50
		HIGH	QPSK	22.00	21.90	21.91	22.50
6	LOW	QPSK	22.07	21.93	21.91	22.50	
1.4	1	LOW	Q16	21.99	21.97	22.07	22.50
		MID	Q16	21.90	22.00	22.01	22.50
		HIGH	Q16	21.96	22.09	21.96	22.50
	3	LOW	Q16	21.05	21.10	20.97	21.50
		MID	Q16	21.10	20.90	21.02	21.50
		HIGH	Q16	21.01	21.00	20.94	21.50
6	LOW	Q16	20.92	21.08	20.99	21.50	
1.4	1	LOW	64QAM	20.96	20.95	20.98	21.50
		MID	64QAM	20.99	20.93	20.93	21.50
		HIGH	64QAM	21.05	20.92	21.02	21.50
	3	LOW	64QAM	20.04	19.92	20.01	20.50
		MID	64QAM	19.91	20.01	19.99	20.50
		HIGH	64QAM	20.09	20.09	20.04	20.50
6	LOW	64QAM	19.94	20.09	19.99	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.04	22.97	22.93	23.50
		MID	QPSK	22.92	23.06	22.93	23.50
		HIGH	QPSK	22.93	23.00	23.03	23.50
	8	LOW	QPSK	22.04	21.99	21.95	22.50
		MID	QPSK	22.07	21.94	21.94	22.50
		HIGH	QPSK	21.99	21.92	22.05	22.50
15	LOW	QPSK	21.99	22.08	22.10	22.50	
3	1	LOW	Q16	22.03	21.94	21.92	22.50
		MID	Q16	21.97	22.02	22.04	22.50
		HIGH	Q16	21.98	22.08	22.03	22.50
	8	LOW	Q16	20.90	20.94	20.98	21.50
		MID	Q16	21.08	21.08	20.91	21.50
		HIGH	Q16	20.95	20.94	21.03	21.50
15	LOW	Q16	21.10	20.97	21.00	21.50	
3	1	LOW	64QAM	21.07	20.94	20.95	21.50
		MID	64QAM	21.09	21.06	21.08	21.50
		HIGH	64QAM	21.04	21.01	21.00	21.50
	8	LOW	64QAM	19.99	19.93	20.01	20.50
		MID	64QAM	19.99	19.96	20.10	20.50
		HIGH	64QAM	20.09	19.95	20.07	20.50
15	LOW	64QAM	20.00	20.02	19.94	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	22.99	23.10	22.94	23.50
		MID	QPSK	23.01	22.99	23.03	23.50
		HIGH	QPSK	23.08	23.01	22.91	23.50
	12	LOW	QPSK	22.09	22.09	22.02	22.50
		MID	QPSK	22.07	21.93	21.93	22.50
		HIGH	QPSK	22.08	22.08	21.90	22.50
	25	LOW	QPSK	21.90	21.98	21.97	22.50
5	1	LOW	Q16	21.94	22.10	22.08	22.50
		MID	Q16	22.00	22.01	22.07	22.50
		HIGH	Q16	21.98	22.04	22.09	22.50
	12	LOW	Q16	21.07	21.03	21.03	21.50
		MID	Q16	20.98	20.91	21.10	21.50
		HIGH	Q16	21.06	21.06	20.97	21.50
	25	LOW	Q16	20.94	20.99	21.04	21.50
5	1	LOW	64QAM	20.94	21.00	20.99	21.50
		MID	64QAM	21.00	20.94	20.98	21.50
		HIGH	64QAM	21.05	21.02	20.90	21.50
	12	LOW	64QAM	19.96	19.91	20.04	20.50
		MID	64QAM	20.09	20.09	20.05	20.50
		HIGH	64QAM	20.08	19.98	19.96	20.50
	25	LOW	64QAM	20.09	19.92	19.93	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
5	1	LOW	QPSK	23.09	23.03	23.08	23.50
		MID	QPSK	22.90	22.97	22.93	23.50
		HIGH	QPSK	22.95	23.10	23.06	23.50
	12	LOW	QPSK	21.97	21.97	22.04	22.50
		MID	QPSK	21.91	21.96	21.97	22.50
		HIGH	QPSK	21.92	21.92	21.97	22.50
	25	LOW	QPSK	21.98	22.00	21.97	22.50
5	1	LOW	Q16	21.90	21.97	21.91	22.50
		MID	Q16	22.09	21.96	21.90	22.50
		HIGH	Q16	21.94	22.00	22.07	22.50
	12	LOW	Q16	21.09	21.07	20.94	21.50
		MID	Q16	21.06	20.93	20.91	21.50
		HIGH	Q16	21.03	21.04	21.06	21.50
	25	LOW	Q16	20.99	21.04	21.10	21.50
5	1	LOW	64QAM	21.06	21.07	20.95	21.50
		MID	64QAM	20.94	21.07	20.94	21.50
		HIGH	64QAM	21.09	20.96	20.90	21.50
	12	LOW	64QAM	20.04	20.05	19.91	20.50
		MID	64QAM	20.10	20.05	19.90	20.50
		HIGH	64QAM	19.95	20.10	19.90	20.50
	25	LOW	64QAM	19.97	20.04	19.97	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
10	1	LOW	QPSK	23.03	23.01	23.04	23.50
		MID	QPSK	23.00	22.93	23.09	23.50
		HIGH	QPSK	22.96	23.00	23.05	23.50
	25	LOW	QPSK	22.02	21.99	22.06	22.50
		MID	QPSK	22.09	22.03	22.16	22.50
		HIGH	QPSK	22.07	22.12	22.20	22.50
	50	LOW	QPSK	22.06	22.06	22.12	22.50
10	1	LOW	Q16	22.02	22.37	22.35	22.50
		MID	Q16	21.92	22.36	22.47	22.50
		HIGH	Q16	21.88	22.43	22.43	22.50
	25	LOW	Q16	21.03	21.02	21.08	21.50
		MID	Q16	21.07	21.12	21.18	21.50
		HIGH	Q16	21.10	21.18	21.19	21.50
	50	LOW	Q16	21.06	21.07	21.12	21.50
10	1	LOW	64QAM	21.07	21.46	21.30	21.50
		MID	64QAM	21.19	21.48	21.40	21.50
		HIGH	64QAM	20.99	21.47	21.46	21.50
	25	LOW	64QAM	20.04	20.33	20.15	20.50
		MID	64QAM	20.19	20.21	20.30	20.50
		HIGH	64QAM	20.32	20.46	20.28	20.50
	50	LOW	64QAM	20.09	20.31	20.13	20.50

8.3.8 LTE Band38 Output Power

LTE B38-Level 1 -Ant.4							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	20.28	20.22	20.24	20.50
		MID	QPSK	20.31	20.31	20.31	20.50
		HIGH	QPSK	20.33	20.31	20.32	20.50
	12	LOW	QPSK	19.33	19.29	19.20	19.50
		MID	QPSK	19.23	19.25	19.20	19.50
		HIGH	QPSK	19.39	19.29	19.27	19.50
5	1	LOW	QPSK	19.27	19.24	19.34	19.50
	12	LOW	Q16	19.23	19.24	19.20	19.50
		MID	Q16	19.20	19.34	19.34	19.50
		HIGH	Q16	19.38	19.33	19.36	19.50
	25	LOW	Q16	18.38	18.22	18.23	18.50
		MID	Q16	18.29	18.36	18.27	18.50
5	1	LOW	Q16	18.34	18.35	18.24	18.50
		MID	Q16	18.36	18.30	18.23	18.50
		HIGH	Q16	18.39	18.21	18.39	18.50
	12	LOW	64QAM	18.23	18.33	18.24	18.50
		MID	64QAM	18.28	18.33	18.24	18.50
		HIGH	64QAM	17.20	17.35	17.33	17.50
5	1	LOW	64QAM	17.21	17.33	17.38	17.50
		MID	64QAM	17.31	17.23	17.22	17.50
		HIGH	64QAM	17.20	17.38	17.20	17.50
	25	LOW	64QAM	17.20	17.38	17.20	17.50
		MID	64QAM	17.20	17.38	17.20	17.50
		HIGH	64QAM	17.20	17.38	17.20	17.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	20.32	20.36	20.38	20.50
		MID	QPSK	20.23	20.31	20.22	20.50
		HIGH	QPSK	20.40	20.27	20.23	20.50
	25	LOW	QPSK	19.22	19.40	19.36	19.50
		MID	QPSK	19.35	19.38	19.40	19.50
		HIGH	QPSK	19.37	19.28	19.26	19.50
10	1	LOW	QPSK	19.35	19.20	19.29	19.50
		MID	QPSK	19.25	19.25	19.31	19.50
		HIGH	QPSK	19.36	19.30	19.39	19.50
	25	LOW	Q16	19.36	19.27	19.31	19.50
		MID	Q16	19.36	19.27	19.31	19.50
		HIGH	Q16	18.22	18.34	18.33	18.50
10	1	LOW	Q16	18.31	18.20	18.27	18.50
		MID	Q16	18.35	18.38	18.22	18.50
		HIGH	Q16	18.35	18.38	18.22	18.50
	25	LOW	Q16	18.29	18.36	18.40	18.50
		MID	Q16	18.29	18.36	18.40	18.50
		HIGH	Q16	18.29	18.36	18.40	18.50
10	1	LOW	64QAM	18.35	18.27	18.36	18.50
		MID	64QAM	18.21	18.25	18.21	18.50
		HIGH	64QAM	18.22	18.39	18.37	18.50
	25	LOW	64QAM	17.27	17.33	17.30	17.50
		MID	64QAM	17.31	17.34	17.40	17.50
		HIGH	64QAM	17.26	17.21	17.31	17.50
10	50	LOW	64QAM	17.33	17.33	17.23	17.50
		HIGH	64QAM	17.33	17.33	17.23	17.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	20.38	20.22	20.21	20.50
		MID	QPSK	20.24	20.34	20.20	20.50
		HIGH	QPSK	20.36	20.35	20.20	20.50
	36	LOW	QPSK	19.31	19.40	19.33	19.50
		MID	QPSK	19.20	19.23	19.24	19.50
		HIGH	QPSK	19.37	19.35	19.35	19.50
	75	LOW	QPSK	19.37	19.40	19.27	19.50
15	1	LOW	Q16	19.40	19.39	19.34	19.50
		MID	Q16	19.40	19.21	19.33	19.50
		HIGH	Q16	19.34	19.30	19.26	19.50
	36	LOW	Q16	18.39	18.34	18.20	18.50
		MID	Q16	18.38	18.32	18.37	18.50
		HIGH	Q16	18.31	18.32	18.37	18.50
	75	LOW	Q16	18.31	18.23	18.34	18.50
15	1	LOW	64QAM	18.25	18.28	18.38	18.50
		MID	64QAM	18.35	18.35	18.21	18.50
		HIGH	64QAM	18.28	18.38	18.35	18.50
	36	LOW	64QAM	17.24	17.24	17.33	17.50
		MID	64QAM	17.37	17.39	17.34	17.50
		HIGH	64QAM	17.38	17.37	17.32	17.50
	75	LOW	64QAM	17.39	17.23	17.31	17.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	20.19	20.27	20.36	20.50
		MID	QPSK	20.24	20.25	20.36	20.50
		HIGH	QPSK	20.32	20.21	20.37	20.50
	50	LOW	QPSK	19.25	19.30	19.28	19.50
		MID	QPSK	19.36	19.32	19.32	19.50
		HIGH	QPSK	19.29	19.35	19.37	19.50
	100	LOW	QPSK	19.34	19.28	19.36	19.50
20	1	LOW	Q16	19.36	19.30	19.34	19.50
		MID	Q16	19.37	19.35	19.39	19.50
		HIGH	Q16	19.40	19.36	19.38	19.50
	50	LOW	Q16	18.23	18.31	18.35	18.50
		MID	Q16	18.36	18.36	18.36	18.50
		HIGH	Q16	18.31	18.41	18.45	18.50
	100	LOW	Q16	18.30	18.30	18.31	18.50
20	1	LOW	64QAM	18.47	18.13	18.44	18.50
		MID	64QAM	18.27	18.50	18.41	18.50
		HIGH	64QAM	18.45	18.22	18.45	18.50
	50	LOW	64QAM	17.34	17.29	17.40	17.50
		MID	64QAM	17.41	17.19	17.38	17.50
		HIGH	64QAM	17.47	17.42	17.43	17.50
	100	LOW	64QAM	17.32	17.33	17.35	17.50

LTE B38-Level 1 -Ant.4-NSA							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	17.33	17.20	17.28	17.50
		MID	QPSK	17.21	17.33	17.33	17.50
		HIGH	QPSK	17.22	17.22	17.34	17.50
	12	LOW	QPSK	17.34	17.26	17.32	17.50
		MID	QPSK	17.22	17.29	17.29	17.50
		HIGH	QPSK	17.25	17.35	17.23	17.50
25	LOW	QPSK	17.16	17.20	17.29	17.50	
5	1	LOW	Q16	17.15	17.20	17.34	17.50
		MID	Q16	17.18	17.23	17.15	17.50
		HIGH	Q16	17.35	17.18	17.27	17.50
	12	LOW	Q16	17.25	17.32	17.18	17.50
		MID	Q16	17.16	17.25	17.22	17.50
		HIGH	Q16	17.27	17.24	17.29	17.50
25	LOW	Q16	17.33	17.26	17.33	17.50	
5	1	LOW	64QAM	17.24	17.34	17.22	17.50
		MID	64QAM	17.35	17.35	17.31	17.50
		HIGH	64QAM	17.23	17.21	17.19	17.50
	12	LOW	64QAM	17.23	17.16	17.17	17.50
		MID	64QAM	17.33	17.33	17.31	17.50
		HIGH	64QAM	17.19	17.19	17.15	17.50
25	LOW	64QAM	17.25	17.22	17.22	17.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	17.29	17.30	17.21	17.50
		MID	QPSK	17.16	17.18	17.16	17.50
		HIGH	QPSK	17.22	17.22	17.30	17.50
	25	LOW	QPSK	17.31	17.29	17.17	17.50
		MID	QPSK	17.15	17.18	17.26	17.50
		HIGH	QPSK	17.29	17.15	17.25	17.50
50	LOW	QPSK	17.15	17.25	17.20	17.50	
10	1	LOW	Q16	17.24	17.27	17.20	17.50
		MID	Q16	17.34	17.28	17.21	17.50
		HIGH	Q16	17.26	17.32	17.20	17.50
	25	LOW	Q16	17.28	17.34	17.28	17.50
		MID	Q16	17.21	17.28	17.15	17.50
		HIGH	Q16	17.32	17.21	17.22	17.50
50	LOW	Q16	17.29	17.26	17.22	17.50	
10	1	LOW	64QAM	17.25	17.24	17.23	17.50
		MID	64QAM	17.22	17.24	17.17	17.50
		HIGH	64QAM	17.23	17.21	17.28	17.50
	25	LOW	64QAM	17.18	17.28	17.24	17.50
		MID	64QAM	17.26	17.29	17.29	17.50
		HIGH	64QAM	17.25	17.35	17.24	17.50
50	LOW	64QAM	17.18	17.16	17.29	17.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	17.31	17.30	17.32	17.50
		MID	QPSK	17.23	17.34	17.16	17.50
		HIGH	QPSK	17.15	17.24	17.25	17.50
	36	LOW	QPSK	17.29	17.34	17.20	17.50
		MID	QPSK	17.32	17.34	17.30	17.50
		HIGH	QPSK	17.15	17.25	17.20	17.50
	75	LOW	QPSK	17.32	17.34	17.29	17.50
15	1	LOW	Q16	17.30	17.20	17.15	17.50
		MID	Q16	17.29	17.25	17.22	17.50
		HIGH	Q16	17.35	17.31	17.15	17.50
	36	LOW	Q16	17.27	17.16	17.21	17.50
		MID	Q16	17.22	17.24	17.28	17.50
		HIGH	Q16	17.29	17.33	17.21	17.50
	75	LOW	Q16	17.19	17.29	17.18	17.50
15	1	LOW	64QAM	17.29	17.25	17.20	17.50
		MID	64QAM	17.26	17.23	17.28	17.50
		HIGH	64QAM	17.33	17.15	17.22	17.50
	36	LOW	64QAM	17.16	17.21	17.24	17.50
		MID	64QAM	17.34	17.25	17.18	17.50
		HIGH	64QAM	17.15	17.30	17.16	17.50
	75	LOW	64QAM	17.20	17.29	17.26	17.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	17.21	17.24	17.19	17.50
		MID	QPSK	17.19	17.11	17.15	17.50
		HIGH	QPSK	17.15	17.23	17.21	17.50
	50	LOW	QPSK	17.28	17.31	17.30	17.50
		MID	QPSK	17.16	17.26	17.27	17.50
		HIGH	QPSK	17.15	17.28	17.23	17.50
	100	LOW	QPSK	17.30	17.16	17.29	17.50
20	1	LOW	Q16	17.34	17.23	17.31	17.50
		MID	Q16	17.30	17.27	17.34	17.50
		HIGH	Q16	17.27	17.26	17.33	17.50
	50	LOW	Q16	17.32	17.22	17.21	17.50
		MID	Q16	17.31	17.23	17.17	17.50
		HIGH	Q16	17.32	17.32	17.17	17.50
	100	LOW	Q16	17.32	17.22	17.24	17.50
20	1	LOW	64QAM	17.25	17.17	17.23	17.50
		MID	64QAM	17.18	17.32	17.22	17.50
		HIGH	64QAM	17.15	17.19	17.34	17.50
	50	LOW	64QAM	17.34	17.15	17.28	17.50
		MID	64QAM	17.20	17.35	17.26	17.50
		HIGH	64QAM	17.15	17.23	17.26	17.50
	100	LOW	64QAM	17.30	17.18	17.28	17.50

LTE B38-Level 2 -Ant.4							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	23.34	23.32	23.33	23.50
		MID	QPSK	23.20	23.38	23.20	23.50
		HIGH	QPSK	23.22	23.31	23.26	23.50
	12	LOW	QPSK	22.23	22.39	22.23	22.50
		MID	QPSK	22.30	22.40	22.20	22.50
		HIGH	QPSK	22.38	22.37	22.32	22.50
	25	LOW	QPSK	22.22	22.26	22.33	22.50
5	1	LOW	Q16	22.39	22.25	22.33	22.50
		MID	Q16	22.20	22.21	22.29	22.50
		HIGH	Q16	22.38	22.32	22.33	22.50
	12	LOW	Q16	21.31	21.23	21.34	21.50
		MID	Q16	21.37	21.40	21.32	21.50
		HIGH	Q16	21.32	21.29	21.28	21.50
	25	LOW	Q16	21.22	21.32	21.40	21.50
5	1	LOW	64QAM	21.30	21.27	21.23	21.50
		MID	64QAM	21.20	21.32	21.33	21.50
		HIGH	64QAM	21.22	21.28	21.35	21.50
	12	LOW	64QAM	20.29	20.33	20.38	20.50
		MID	64QAM	20.27	20.31	20.38	20.50
		HIGH	64QAM	20.22	20.28	20.23	20.50
	25	LOW	64QAM	20.40	20.34	20.32	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	23.32	23.40	23.24	23.50
		MID	QPSK	23.24	23.38	23.26	23.50
		HIGH	QPSK	23.36	23.37	23.39	23.50
	25	LOW	QPSK	22.38	22.38	22.20	22.50
		MID	QPSK	22.35	22.38	22.29	22.50
		HIGH	QPSK	22.35	22.36	22.20	22.50
	50	LOW	QPSK	22.23	22.24	22.29	22.50
10	1	LOW	Q16	22.23	22.34	22.39	22.50
		MID	Q16	22.22	22.37	22.25	22.50
		HIGH	Q16	22.33	22.37	22.28	22.50
	25	LOW	Q16	21.25	21.24	21.33	21.50
		MID	Q16	21.30	21.33	21.28	21.50
		HIGH	Q16	21.39	21.27	21.30	21.50
	50	LOW	Q16	21.37	21.32	21.38	21.50
10	1	LOW	64QAM	21.29	21.40	21.39	21.50
		MID	64QAM	21.25	21.27	21.20	21.50
		HIGH	64QAM	21.25	21.36	21.26	21.50
	25	LOW	64QAM	20.33	20.33	20.25	20.50
		MID	64QAM	20.29	20.29	20.33	20.50
		HIGH	64QAM	20.31	20.23	20.30	20.50
	50	LOW	64QAM	20.22	20.21	20.30	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	23.26	23.38	23.26	23.50
		MID	QPSK	23.22	23.24	23.38	23.50
		HIGH	QPSK	23.31	23.31	23.26	23.50
	36	LOW	QPSK	22.39	22.22	22.32	22.50
		MID	QPSK	22.31	22.29	22.25	22.50
		HIGH	QPSK	22.39	22.29	22.38	22.50
	75	LOW	QPSK	22.27	22.39	22.34	22.50
15	1	LOW	Q16	22.39	22.30	22.21	22.50
		MID	Q16	22.31	22.35	22.23	22.50
		HIGH	Q16	22.27	22.27	22.34	22.50
	36	LOW	Q16	21.24	21.27	21.24	21.50
		MID	Q16	21.34	21.40	21.23	21.50
		HIGH	Q16	21.31	21.35	21.30	21.50
	75	LOW	Q16	21.39	21.24	21.37	21.50
15	1	LOW	64QAM	21.26	21.29	21.32	21.50
		MID	64QAM	21.21	21.34	21.33	21.50
		HIGH	64QAM	21.22	21.39	21.37	21.50
	36	LOW	64QAM	20.29	20.32	20.27	20.50
		MID	64QAM	20.40	20.38	20.30	20.50
		HIGH	64QAM	20.27	20.32	20.31	20.50
	75	LOW	64QAM	20.30	20.34	20.35	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	23.25	23.30	23.38	23.50
		MID	QPSK	23.22	23.30	23.37	23.50
		HIGH	QPSK	23.29	23.30	23.39	23.50
	50	LOW	QPSK	22.25	22.29	22.28	22.50
		MID	QPSK	22.36	22.30	22.33	22.50
		HIGH	QPSK	22.30	22.35	22.38	22.50
	100	LOW	QPSK	22.32	22.29	22.34	22.50
20	1	LOW	Q16	22.33	22.30	22.35	22.50
		MID	Q16	22.36	22.35	22.35	22.50
		HIGH	Q16	22.39	22.38	22.36	22.50
	50	LOW	Q16	21.24	21.30	21.33	21.50
		MID	Q16	21.34	21.34	21.38	21.50
		HIGH	Q16	21.29	21.37	21.43	21.50
	100	LOW	Q16	21.30	21.31	21.29	21.50
20	1	LOW	64QAM	21.31	21.23	21.46	21.50
		MID	64QAM	21.43	21.37	21.39	21.50
		HIGH	64QAM	21.20	21.23	21.41	21.50
	50	LOW	64QAM	20.09	20.38	20.43	20.50
		MID	64QAM	20.40	20.42	20.47	20.50
		HIGH	64QAM	20.20	20.44	20.44	20.50
	100	LOW	64QAM	20.30	20.36	20.22	20.50

LTE B38-Level 2 -Ant.4-NSA							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	21.74	21.76	21.70	22.00
		MID	QPSK	21.72	21.88	21.70	22.00
		HIGH	QPSK	21.73	21.84	21.81	22.00
	12	LOW	QPSK	21.87	21.81	21.81	22.00
		MID	QPSK	21.83	21.85	21.75	22.00
		HIGH	QPSK	21.78	21.72	21.75	22.00
5	1	LOW	QPSK	21.80	21.74	21.87	22.00
	12	LOW	Q16	21.89	21.85	21.89	22.00
		MID	Q16	21.87	21.86	21.78	22.00
		HIGH	Q16	21.84	21.82	21.76	22.00
	12	LOW	Q16	21.72	21.72	21.71	22.00
		MID	Q16	21.79	21.77	21.77	22.00
5	1	HIGH	Q16	21.81	21.71	21.76	22.00
	25	LOW	Q16	21.77	21.90	21.74	22.00
		LOW	64QAM	21.72	21.70	21.81	22.00
	12	MID	64QAM	21.83	21.75	21.72	22.00
		HIGH	64QAM	21.70	21.71	21.85	22.00
	25	LOW	64QAM	21.90	21.72	21.74	22.00
5	1	MID	64QAM	21.79	21.71	21.87	22.00
		HIGH	64QAM	21.79	21.73	21.76	22.00
	25	LOW	64QAM	21.71	21.73	21.74	22.00
10	1	LOW	QPSK	21.78	21.83	21.89	22.00
		MID	QPSK	21.80	21.77	21.82	22.00
		HIGH	QPSK	21.88	21.73	21.90	22.00
	25	LOW	QPSK	21.85	21.85	21.79	22.00
		MID	QPSK	21.75	21.71	21.88	22.00
		HIGH	QPSK	21.84	21.86	21.85	22.00
10	50	LOW	QPSK	21.84	21.75	21.89	22.00
	1	LOW	Q16	21.84	21.89	21.82	22.00
		MID	Q16	21.70	21.84	21.89	22.00
	25	HIGH	Q16	21.82	21.74	21.84	22.00
		LOW	Q16	21.76	21.90	21.84	22.00
		MID	Q16	21.70	21.90	21.90	22.00
10	50	HIGH	Q16	21.87	21.87	21.88	22.00
	1	LOW	Q16	21.84	21.78	21.84	22.00
		MID	64QAM	21.83	21.71	21.72	22.00
	25	HIGH	64QAM	21.70	21.89	21.88	22.00
		LOW	64QAM	21.70	21.73	21.79	22.00
		MID	64QAM	21.83	21.85	21.73	22.00
10	50	HIGH	64QAM	21.90	21.78	21.74	22.00
	1	LOW	64QAM	21.76	21.79	21.72	22.00
		MID	64QAM	21.73	21.90	21.74	22.00
	25	LOW	64QAM	21.73	21.90	21.74	22.00
		MID	64QAM	21.73	21.90	21.74	22.00
		HIGH	64QAM	21.73	21.90	21.74	22.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	21.70	21.76	21.72	22.00
		MID	QPSK	21.71	21.84	21.89	22.00
		HIGH	QPSK	21.88	21.80	21.77	22.00
	36	LOW	QPSK	21.83	21.70	21.86	22.00
		MID	QPSK	21.82	21.76	21.76	22.00
		HIGH	QPSK	21.78	21.84	21.70	22.00
	75	LOW	QPSK	21.90	21.70	21.74	22.00
15	1	LOW	Q16	21.85	21.82	21.90	22.00
		MID	Q16	21.79	21.70	21.86	22.00
		HIGH	Q16	21.81	21.75	21.83	22.00
	36	LOW	Q16	21.70	21.77	21.77	22.00
		MID	Q16	21.77	21.85	21.73	22.00
		HIGH	Q16	21.84	21.89	21.76	22.00
	75	LOW	Q16	21.84	21.70	21.87	22.00
15	1	LOW	64QAM	21.72	21.85	21.83	22.00
		MID	64QAM	21.76	21.79	21.81	22.00
		HIGH	64QAM	21.74	21.88	21.72	22.00
	36	LOW	64QAM	21.76	21.80	21.86	22.00
		MID	64QAM	21.89	21.73	21.81	22.00
		HIGH	64QAM	21.78	21.71		22.00
	75	LOW	64QAM	21.89	21.72		22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	21.75	21.83	21.77	22.00
		MID	QPSK	21.79	21.79	21.72	22.00
		HIGH	QPSK	21.70	21.70	21.81	22.00
	50	LOW	QPSK	21.74	21.72	21.75	22.00
		MID	QPSK	21.74	21.89	21.75	22.00
		HIGH	QPSK	21.79	21.70	21.81	22.00
	100	LOW	QPSK	21.76	21.84	21.88	22.00
20	1	LOW	Q16	21.82	21.85	21.78	22.00
		MID	Q16	21.72	21.72	21.85	22.00
		HIGH	Q16	21.79	21.71	21.81	22.00
	50	LOW	Q16	21.86	21.70	21.81	22.00
		MID	Q16	21.76	21.78	21.72	22.00
		HIGH	Q16	21.75	21.85	21.78	22.00
	100	LOW	Q16	21.72	21.87	21.88	22.00
20	1	LOW	64QAM	21.74	21.87	21.77	22.00
		MID	64QAM	21.84	21.74	21.84	22.00
		HIGH	64QAM	21.70	21.86	21.86	22.00
	50	LOW	64QAM	21.87	21.70	21.81	22.00
		MID	64QAM	21.79	21.76	21.71	22.00
		HIGH	64QAM	21.80	21.75	21.72	22.00
	100	LOW	64QAM	21.81	21.83	21.72	22.00

LTE B38-Level 1 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	24.56	24.58	24.61	25.00	
		MID	QPSK	24.68	24.70	24.56	25.00	
		HIGH	QPSK	24.54	24.69	24.51	25.00	
	12	LOW	QPSK	23.59	23.57	23.66	24.00	
		MID	QPSK	23.65	23.56	23.61	24.00	
		HIGH	QPSK	23.52	23.70	23.65	24.00	
25	LOW	QPSK	23.62	23.56	23.52	24.00		
5	1	LOW	Q16	23.61	23.66	23.55	24.00	
		MID	Q16	23.58	23.70	23.51	24.00	
		HIGH	Q16	23.69	23.55	23.69	24.00	
	12	LOW	Q16	23.14	23.20	23.08	23.50	
		MID	Q16	23.05	23.00	23.09	23.50	
		HIGH	Q16	23.02	23.18	23.19	23.50	
	25	LOW	Q16	23.20	23.13	23.20	23.50	
		1	LOW	64QAM	23.14	23.14	23.00	23.50
		MID	64QAM	23.19	23.11	23.01	23.50	
5	12	HIGH	64QAM	23.16	23.01	23.15	23.50	
		LOW	64QAM	22.54	22.66	22.59	23.00	
		MID	64QAM	22.58	22.62	22.57	23.00	
	25	HIGH	64QAM	22.58	22.57	22.57	23.00	
		LOW	64QAM	22.65	22.57	22.57	23.00	
		Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200
10	1	LOW	QPSK	24.60	24.59	24.55	25.00	
		MID	QPSK	24.70	24.53	24.50	25.00	
		HIGH	QPSK	24.56	24.51	24.69	25.00	
	25	LOW	QPSK	23.56	23.58	23.59	24.00	
		MID	QPSK	23.59	23.54	23.51	24.00	
		HIGH	QPSK	23.52	23.56	23.57	24.00	
50	LOW	QPSK	23.53	23.64	23.65	24.00		
10	1	LOW	Q16	23.62	23.50	23.58	24.00	
		MID	Q16	23.67	23.68	23.57	24.00	
		HIGH	Q16	23.55	23.59	23.58	24.00	
	25	LOW	Q16	23.15	23.00	23.06	23.50	
		MID	Q16	23.16	23.06	23.15	23.50	
		HIGH	Q16	23.06	23.02	23.07	23.50	
	50	LOW	Q16	23.08	23.08	23.17	23.50	
		1	LOW	64QAM	23.00	23.17	23.01	23.50
		MID	64QAM	23.05	23.04	23.11	23.50	
10	25	HIGH	64QAM	23.00	23.19	23.11	23.50	
		LOW	64QAM	22.55	22.56	22.67	23.00	
		MID	64QAM	22.61	22.61	22.60	23.00	
	50	HIGH	64QAM	22.69	22.61	22.64	23.00	
		LOW	64QAM	22.63	22.64	22.60	23.00	
		Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225
5	1	LOW	QPSK	24.56	24.58	24.61	25.00	
		MID	QPSK	24.68	24.70	24.56	25.00	
		HIGH	QPSK	24.54	24.69	24.51	25.00	
	12	LOW	QPSK	23.59	23.57	23.66	24.00	
		MID	QPSK	23.65	23.56	23.61	24.00	
		HIGH	QPSK	23.52	23.70	23.65	24.00	
25	LOW	QPSK	23.62	23.56	23.52	24.00		
5	1	LOW	Q16	23.61	23.66	23.55	24.00	
		MID	Q16	23.58	23.70	23.51	24.00	
		HIGH	Q16	23.69	23.55	23.69	24.00	
	12	LOW	Q16	23.14	23.20	23.08	23.50	
		MID	Q16	23.05	23.00	23.09	23.50	
		HIGH	Q16	23.02	23.18	23.19	23.50	
	25	LOW	Q16	23.20	23.13	23.20	23.50	
		1	LOW	64QAM	23.14	23.14	23.00	23.50
		MID	64QAM	23.19	23.11	23.01	23.50	
5	12	HIGH	64QAM	23.16	23.01	23.15	23.50	
		LOW	64QAM	22.54	22.66	22.59	23.00	
		MID	64QAM	22.58	22.62	22.57	23.00	
	25	HIGH	64QAM	22.58	22.57	22.57	23.00	
		LOW	64QAM	22.65	22.57	22.57	23.00	
		Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200
10	1	LOW	QPSK	24.60	24.59	24.55	25.00	
		MID	QPSK	24.70	24.53	24.50	25.00	
		HIGH	QPSK	24.56	24.51	24.69	25.00	
	25	LOW	QPSK	23.56	23.58	23.59	24.00	
		MID	QPSK	23.59	23.54	23.51	24.00	
		HIGH	QPSK	23.52	23.56	23.57	24.00	
50	LOW	QPSK	23.53	23.64	23.65	24.00		
10	1	LOW	Q16	23.62	23.50	23.58	24.00	
		MID	Q16	23.67	23.68	23.57	24.00	
		HIGH	Q16	23.55	23.59	23.58	24.00	
	25	LOW	Q16	23.15	23.00	23.06	23.50	
		MID	Q16	23.16	23.06	23.15	23.50	
		HIGH	Q16	23.06	23.02	23.07	23.50	
	50	LOW	Q16	23.08	23.08	23.17	23.50	
		1	LOW	64QAM	23.00	23.17	23.01	23.50
		MID	64QAM	23.05	23.04	23.11	23.50	
10	25	HIGH	64QAM	23.00	23.19	23.11	23.50	
		LOW	64QAM	22.55	22.56	22.67	23.00	
		MID	64QAM	22.61	22.61	22.60	23.00	
	50	HIGH	64QAM	22.69	22.61	22.64	23.00	
		LOW	64QAM	22.63	22.64	22.60	23.00	
		Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225
5	1	LOW	QPSK	24.56	24.58	24.61	25.00	
		MID	QPSK	24.68	24.70	24.56	25.00	
		HIGH	QPSK	24.54	24.69	24.51	25.00	
	12	LOW	QPSK	23.59	23.57	23.66	24.00	
		MID	QPSK	23.65	23.56	23.61	24.00	
		HIGH	QPSK	23.52	23.70	23.65	24.00	
25	LOW	QPSK	23.62	23.56	23.52	24.00		
5	1	LOW	Q16	23.61	23.66	23.55	24.00	
		MID	Q16	23.58	23.70	23.51	24.00	
		HIGH	Q16	23.69	23.55	23.69	24.00	
	12	LOW	Q16	23.14	23.20	23.08	23.50	
		MID	Q16	23.05	23.00	23.09	23.50	
		HIGH	Q16	23.02	23.18	23.19	23.50	
	25	LOW	Q16	23.20	23.13	23.20	23.50	
		1	LOW	64QAM	23.14	23.14	23.00	23.50
		MID	64QAM	23.19	23.11	23.01	23.50	
5	12	HIGH	64QAM	23.16	23.01	23.15	23.50	
		LOW	64QAM	22.54	22.66	22.59	23.00	
		MID	64QAM	22.58	22.62	22.57	23.00	
	25	HIGH	64QAM	22.58	22.57	22.57	23.00	
		LOW	64QAM	22.65	22.57	22.57	23.00	
		Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200
10	1	LOW	QPSK	24.60	24.59	24.55	25.00	
		MID	QPSK	24.70	24.53	24.50	25.00	
		HIGH	QPSK	24.56	24.51	24.69	25.00	
	25	LOW	QPSK	23.56	23.58	23.59	24.00	
		MID	QPSK	23.59	23.54	23.51	24.00	
		HIGH	QPSK	23.52	23.56	23.57	24.00	
50	LOW	QPSK	23.53	23.64	23.65	24.00		
10	1	LOW	Q16	23.62	23.50	23.58	24.00	
		MID	Q16	23.67	23.68	23.57	24.00	
		HIGH	Q16	23.55	23.59	23.58	24.00	
	25	LOW	Q16	23.15	23.00	23.06	23.50	
		MID	Q16	23.16	23.06	23.15	23.50	
		HIGH	Q16	23.06	23.02	23.07	23.50	
	50	LOW	Q16	23.08	23.08	23.17	23.50	
		1	LOW	64QAM	23.00	23.17	23.01	23.50
		MID	64QAM	23.05	23.04	23.11	23.50	
10	25	HIGH	64QAM	23.00	23.19	23.11	23.50	
		LOW	64QAM	22.55	22.56	22.67	23.00	
		MID	64QAM	22.61	22.61	22.60	23.00	
	50	HIGH	64QAM	22.69	22.61	22.64	23.00	
		LOW	64QAM	22.63	22.64	22.60	23.00	
		Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225
5	1	LOW	QPSK	24.56	24.58	24.61	25.00	
		MID	QPSK	24.68	24.70	24.56	25.00	
		HIGH	QPSK	24.54	24.69	24.51	25.00	
	12	LOW	QPSK	23.59	23.57	23.66	24.00	
		MID	QPSK	23.65	23.56	23.61	24.00	
		HIGH	QPSK	23.52	23.70	23.65	24.00	
25	LOW	QPSK	23.62	23.56	23.52	24.00		
5	1	LOW	Q16	23.61	23.66	23.55	24.00	
		MID	Q16	23.58	23.70	23.51	24.00	
		HIGH	Q16	23.69	23.55	23.69	24.00	
	12	LOW	Q16	23.14	23.20	23.08	23.50	
		MID	Q16	23.05	23.00	23.09	23.50	
		HIGH	Q16	23.02	23.18	23.19	23.50	
	25	LOW	Q16	23.20	23.13	23.20	23.50	
		1	LOW	64QAM	23.14	23.14	23.00	23.50
		MID	64QAM	23.19	23.11	23.01	23.50	
5	12	HIGH	64QAM	23.16	23.01	23.15	23.50	
		LOW	64QAM	22.54	22.66	22.59	23.00	
		MID	64QAM	22.58	22.62	22.57	23.00	
	25	HIGH	64QAM	22.58	22.57	22.57	23.00	
		LOW	64QAM	22.65	22.57	22.57	23.00	
		Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200
10	1	LOW	QPSK	24.60	24.59	24.55	25.00	
		MID	QPSK	24.70	24.53	24.50	25.00	
		HIGH	QPSK	24.56	24.51	24.69	25.00	
	25	LOW	QPSK	23.56	23.58	23.59	24.00	
		MID	QPSK	23.59	23.54	23.51	24.00	
		HIGH	QPSK	23.52	23.56	23.57	24.00	
50	LOW	QPSK	23.53	23.64	23.65	24.00		
10	1	LOW	Q16	23.62	23.50	23.58	24.00	
		MID	Q16	23.67	23.68	23.57	24.00	
		HIGH	Q16	23.55	23.59	23.58	24.00	
	25	LOW	Q16	23.15	23.00	23.06	23.50	
		MID	Q16	23.16	23.06	23.15	23.50	
		HIGH	Q16	23.06	23.02	23.07	23.50	
	50	LOW	Q16	23.08	23.08	23.17	23.50	
		1	LOW	64QAM	23.00	23.17	23.01	23.50
		MID	64QAM	23.05	23.04	23.11	23.50	
10	25	HIGH	64QAM	23.00	23.19	23.11	23.50	
		LOW	64QAM	22.55	22.56	22.67	23.00	
		MID	64QAM	22.61	22.61	22.60	23.00	
	50	HIGH	64QAM	22.69	22.61	22.64	23.00	
		LOW	64QAM	22.63	22.64	22.60	23.00	
		Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225
5	1	LOW	QPSK	24.56	24.58	24.61	25.00	
		MID	QPSK	24.68	24.70	24.56	25.00	
		HIGH	QPSK	24.54	24.69	24.51	25.00	
	12	LOW	QPSK	23.59	23.57	23.66	24.00	
		MID	QPSK	23.65	23.56	23.61	24.00	
		HIGH	QPSK	23.52	23.70	23.65	24.00	
25	LOW	QPSK	23.62	23.56	23.52	24.00		
5	1	LOW	Q16	23.61	23.66	23.55	24.00	
		MID	Q16	23.58	23.70	23.51	24.00	
		HIGH	Q16	23.69	23.55	23.69	24.00	
	12	LOW	Q16	23.14	23.20	23.08	23.50	
		MID	Q16	23.05	23.00	23.09	23.50	
		HIGH	Q16	23.02	23.18	23.19	23.50	
	25	LOW	Q16	23.20	23.13	23.20	23.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	24.64	24.58	24.60	25.00
		MID	QPSK	24.70	24.52	24.59	25.00
		HIGH	QPSK	24.58	24.50	24.50	25.00
	36	LOW	QPSK	23.59	23.63	23.52	24.00
		MID	QPSK	23.53	23.70	23.61	24.00
		HIGH	QPSK	23.53	23.67	23.60	24.00
	75	LOW	QPSK	23.63	23.66	23.65	24.00
15	1	LOW	Q16	23.62	23.70	23.56	24.00
		MID	Q16	23.69	23.67	23.67	24.00
		HIGH	Q16	23.61	23.66	23.56	24.00
	36	LOW	Q16	23.00	23.15	23.10	23.50
		MID	Q16	23.02	23.14	23.08	23.50
		HIGH	Q16	23.20	23.07	23.08	23.50
	75	LOW	Q16	23.02	23.10	23.02	23.50
15	1	LOW	64QAM	23.16	23.16	23.01	23.50
		MID	64QAM	23.03	23.20	23.09	23.50
		HIGH	64QAM	23.15	23.03	23.00	23.50
	36	LOW	64QAM	22.55	22.60	22.64	23.00
		MID	64QAM	22.70	22.50	22.65	23.00
		HIGH	64QAM	22.52	22.60	22.57	23.00
	75	LOW	64QAM	22.69	22.70	22.62	23.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	24.72	24.70	24.59	25.00
		MID	QPSK	24.67	24.63	24.63	25.00
		HIGH	QPSK	24.68	24.62	24.68	25.00
	50	LOW	QPSK	23.90	23.81	23.67	24.00
		MID	QPSK	23.81	23.85	23.77	24.00
		HIGH	QPSK	23.81	23.79	23.72	24.00
	100	LOW	QPSK	23.80	23.79	23.74	24.00
20	1	LOW	Q16	23.89	23.95	23.89	24.00
		MID	Q16	23.87	23.92	23.80	24.00
		HIGH	Q16	23.84	23.96	23.63	24.00
	50	LOW	Q16	23.23	23.08	23.37	23.50
		MID	Q16	23.33	23.04	23.22	23.50
		HIGH	Q16	23.19	23.36	23.06	23.50
	100	LOW	Q16	23.29	23.33	23.16	23.50
20	1	LOW	64QAM	23.04	23.10	23.19	23.50
		MID	64QAM	23.14	23.00	22.83	23.50
		HIGH	64QAM	23.02	23.06	22.69	23.50
	50	LOW	64QAM	22.52	22.23	22.43	23.00
		MID	64QAM	22.58	22.15	22.47	23.00
		HIGH	64QAM	22.30	22.44	22.03	23.00
	100	LOW	64QAM	22.33	22.46	22.38	23.00

LTE B38-Level 2 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	24.56	24.58	24.61	25.00	
		MID	QPSK	24.68	24.70	24.56	25.00	
		HIGH	QPSK	24.54	24.69	24.51	25.00	
	12	LOW	QPSK	23.59	23.57	23.66	24.00	
		MID	QPSK	23.65	23.56	23.61	24.00	
		HIGH	QPSK	23.52	23.70	23.65	24.00	
25	LOW	QPSK	23.62	23.56	23.52	24.00		
5	1	LOW	Q16	23.61	23.66	23.55	24.00	
		MID	Q16	23.58	23.70	23.51	24.00	
		HIGH	Q16	23.69	23.55	23.69	24.00	
	12	LOW	Q16	23.14	23.20	23.08	23.50	
		MID	Q16	23.05	23.00	23.09	23.50	
		HIGH	Q16	23.02	23.18	23.19	23.50	
	25	LOW	Q16	23.20	23.13	23.20	23.50	
		1	LOW	64QAM	23.14	23.14	23.00	23.50
			MID	64QAM	23.19	23.11	23.01	23.50
12	HIGH		64QAM	23.16	23.01	23.15	23.50	
	LOW	64QAM	22.54	22.66	22.59	23.00		
	MID	64QAM	22.58	22.62	22.57	23.00		
HIGH	64QAM	22.58	22.57	22.57	23.00			
25	LOW	64QAM	22.65	22.57	22.57	23.00		
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)	
10	1	LOW	QPSK	24.60	24.59	24.55	25.00	
		MID	QPSK	24.70	24.53	24.50	25.00	
		HIGH	QPSK	24.56	24.51	24.69	25.00	
	25	LOW	QPSK	23.56	23.58	23.59	24.00	
		MID	QPSK	23.59	23.54	23.51	24.00	
		HIGH	QPSK	23.52	23.56	23.57	24.00	
50	LOW	QPSK	23.53	23.64	23.65	24.00		
10	1	LOW	Q16	23.62	23.50	23.58	24.00	
		MID	Q16	23.67	23.68	23.57	24.00	
		HIGH	Q16	23.55	23.59	23.58	24.00	
	25	LOW	Q16	23.15	23.00	23.06	23.50	
		MID	Q16	23.16	23.06	23.15	23.50	
		HIGH	Q16	23.06	23.02	23.07	23.50	
50	LOW	Q16	23.08	23.08	23.17	23.50		
10	1	LOW	64QAM	23.00	23.17	23.01	23.50	
		MID	64QAM	23.05	23.04	23.11	23.50	
		HIGH	64QAM	23.00	23.19	23.11	23.50	
	25	LOW	64QAM	22.55	22.56	22.67	23.00	
		MID	64QAM	22.61	22.61	22.60	23.00	
		HIGH	64QAM	22.69	22.61	22.64	23.00	
	50	LOW	64QAM	22.63	22.64	22.60	23.00	
		LOW	64QAM	22.63	22.64	22.60	23.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	24.64	24.58	24.60	25.00
		MID	QPSK	24.70	24.52	24.59	25.00
		HIGH	QPSK	24.58	24.50	24.50	25.00
	36	LOW	QPSK	23.59	23.63	23.52	24.00
		MID	QPSK	23.53	23.70	23.61	24.00
		HIGH	QPSK	23.53	23.67	23.60	24.00
	75	LOW	QPSK	23.63	23.66	23.65	24.00
15	1	LOW	Q16	23.62	23.70	23.56	24.00
		MID	Q16	23.69	23.67	23.67	24.00
		HIGH	Q16	23.61	23.66	23.56	24.00
	36	LOW	Q16	23.00	23.15	23.10	23.50
		MID	Q16	23.02	23.14	23.08	23.50
		HIGH	Q16	23.20	23.07	23.08	23.50
	75	LOW	Q16	23.02	23.10	23.02	23.50
15	1	LOW	64QAM	23.16	23.16	23.01	23.50
		MID	64QAM	23.03	23.20	23.09	23.50
		HIGH	64QAM	23.15	23.03	23.00	23.50
	36	LOW	64QAM	22.55	22.60	22.64	23.00
		MID	64QAM	22.70	22.50	22.65	23.00
		HIGH	64QAM	22.52	22.60	22.57	23.00
	75	LOW	64QAM	22.69	22.70	22.62	23.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	24.72	24.70	24.59	25.00
		MID	QPSK	24.67	24.63	24.63	25.00
		HIGH	QPSK	24.68	24.62	24.68	25.00
	50	LOW	QPSK	23.90	23.81	23.67	24.00
		MID	QPSK	23.81	23.85	23.77	24.00
		HIGH	QPSK	23.81	23.79	23.72	24.00
	100	LOW	QPSK	23.80	23.79	23.74	24.00
20	1	LOW	Q16	23.89	23.95	23.89	24.00
		MID	Q16	23.87	23.92	23.80	24.00
		HIGH	Q16	23.84	23.96	23.63	24.00
	50	LOW	Q16	23.23	23.08	23.37	23.50
		MID	Q16	23.33	23.04	23.22	23.50
		HIGH	Q16	23.19	23.36	23.06	23.50
	100	LOW	Q16	23.29	23.33	23.16	23.50
20	1	LOW	64QAM	23.04	23.10	23.19	23.50
		MID	64QAM	23.14	23.00	22.83	23.50
		HIGH	64QAM	23.02	23.06	22.69	23.50
	50	LOW	64QAM	22.52	22.23	22.43	23.00
		MID	64QAM	22.58	22.15	22.47	23.00
		HIGH	64QAM	22.30	22.44	22.03	23.00
	100	LOW	64QAM	22.33	22.46	22.38	23.00

LTE B38-Level 2 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	21.48	21.57	21.44	22.00
		MID	QPSK	21.45	21.44	21.48	22.00
		HIGH	QPSK	21.52	21.56	21.60	22.00
	12	LOW	QPSK	21.44	21.41	21.45	22.00
		MID	QPSK	21.49	21.40	21.49	22.00
		HIGH	QPSK	21.48	21.41	21.60	22.00
	25	LOW	QPSK	21.45	21.58	21.41	22.00
5	1	LOW	Q16	21.44	21.50	21.47	22.00
		MID	Q16	21.55	21.51	21.56	22.00
		HIGH	Q16	21.55	21.43	21.57	22.00
	12	LOW	Q16	21.60	21.56	21.40	22.00
		MID	Q16	21.56	21.45	21.46	22.00
		HIGH	Q16	21.47	21.52	21.49	22.00
	25	LOW	Q16	21.51	21.40	21.49	22.00
5	1	LOW	64QAM	21.48	21.53	21.48	22.00
		MID	64QAM	21.57	21.44	21.55	22.00
		HIGH	64QAM	21.48	21.53	21.58	22.00
	12	LOW	64QAM	21.43	21.48	21.40	22.00
		MID	64QAM	21.53	21.47	21.43	22.00
		HIGH	64QAM	21.59	21.45	21.58	22.00
	25	LOW	64QAM	21.41	21.45	21.48	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	21.65	21.44	21.58	22.00
		MID	QPSK	21.66	21.51	21.47	22.00
		HIGH	QPSK	21.70	21.43	21.48	22.00
	25	LOW	QPSK	21.61	21.51	21.44	22.00
		MID	QPSK	21.65	21.43	21.47	22.00
		HIGH	QPSK	21.70	21.51	21.57	22.00
10	50	LOW	QPSK	21.59	21.50	21.53	22.00
	1	LOW	Q16	21.56	21.40	21.55	22.00
		MID	Q16	21.54	21.56	21.44	22.00
		HIGH	Q16	21.54	21.56	21.49	22.00
	25	LOW	Q16	21.63	21.58	21.43	22.00
		MID	Q16	21.70	21.53	21.52	22.00
HIGH		Q16	21.52	21.50	21.40	22.00	
10	50	LOW	Q16	21.55	21.57	21.52	22.00
	1	LOW	64QAM	21.53	21.60	21.46	22.00
		MID	64QAM	21.61	21.56	21.57	22.00
		HIGH	64QAM	21.61	21.60	21.53	22.00
	25	LOW	64QAM	21.56	21.58	21.50	22.00
		MID	64QAM	21.63	21.52	21.47	22.00
HIGH		64QAM	21.64	21.46	21.57	22.00	
50	LOW	64QAM	21.52	21.42	21.41	22.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	21.42	21.57	21.51	22.00
		MID	QPSK	21.43	21.49	21.58	22.00
		HIGH	QPSK	21.42	21.50	21.54	22.00
	36	LOW	QPSK	21.49	21.52	21.57	22.00
		MID	QPSK	21.56	21.44	21.60	22.00
		HIGH	QPSK	21.44	21.58	21.57	22.00
	75	LOW	QPSK	21.42	21.51	21.44	22.00
15	1	LOW	Q16	21.40	21.48	21.55	22.00
		MID	Q16	21.53	21.46	21.45	22.00
		HIGH	Q16	21.52	21.46	21.54	22.00
	36	LOW	Q16	21.60	21.51	21.47	22.00
		MID	Q16	21.57	21.40	21.60	22.00
		HIGH	Q16	21.45	21.56	21.50	22.00
	75	LOW	Q16	21.52	21.48	21.48	22.00
15	1	LOW	64QAM	21.51	21.57	21.43	22.00
		MID	64QAM	21.56	21.42	21.52	22.00
		HIGH	64QAM	21.47	21.40	21.54	22.00
	36	LOW	64QAM	21.41	21.43	21.56	22.00
		MID	64QAM	21.50	21.41	21.57	22.00
		HIGH	64QAM	21.43	21.46	21.55	22.00
	75	LOW	64QAM	21.45	21.41	21.47	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	21.40	21.49	21.60	22.00
		MID	QPSK	21.51	21.43	21.56	22.00
		HIGH	QPSK	21.48	21.49	21.46	22.00
	50	LOW	QPSK	21.41	21.44	21.52	22.00
		MID	QPSK	21.45	21.48	21.44	22.00
		HIGH	QPSK	21.51	21.50	21.49	22.00
	100	LOW	QPSK	21.60	21.56	21.42	22.00
20	1	LOW	Q16	21.60	21.60	21.55	22.00
		MID	Q16	21.54	21.60	21.49	22.00
		HIGH	Q16	21.57	21.50	21.41	22.00
	50	LOW	Q16	21.57	21.58	21.41	22.00
		MID	Q16	21.43	21.47	21.48	22.00
		HIGH	Q16	21.43	21.54	21.55	22.00
	100	LOW	Q16	21.40	21.59	21.44	22.00
20	1	LOW	64QAM	21.48	21.46	21.47	22.00
		MID	64QAM	21.52	21.48	21.40	22.00
		HIGH	64QAM	21.54	21.42	21.49	22.00
	50	LOW	64QAM	21.45	21.43	21.55	22.00
		MID	64QAM	21.57	21.57	21.53	22.00
		HIGH	64QAM	21.49	21.52	21.56	22.00
	100	LOW	64QAM	21.49	21.60	21.47	22.00

8.3.9 LTE Band41 Output Power

LTE B41-Level 1 -Ant.2									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	24.45	24.53	24.43	24.62	24.52	25.00
		MID	QPSK	24.62	24.65	24.53	24.54	24.52	25.00
		HIGH	QPSK	24.61	24.46	24.43	24.64	24.46	25.00
	12	LOW	QPSK	23.49	23.54	23.42	23.47	23.49	24.00
		MID	QPSK	23.54	23.57	23.64	23.51	23.53	24.00
		HIGH	QPSK	23.56	23.47	23.55	23.49	23.40	24.00
5	25	LOW	QPSK	23.45	23.54	23.43	23.43	23.60	24.00
		LOW	Q16	23.56	23.54	23.65	23.65	23.43	24.00
		MID	Q16	23.57	23.51	23.48	23.40	23.56	24.00
	12	HIGH	Q16	23.47	23.51	23.41	23.42	23.46	24.00
		LOW	Q16	22.96	22.93	22.93	22.90	23.09	23.50
		MID	Q16	22.93	22.90	23.05	22.97	22.94	23.50
5	25	HIGH	Q16	23.10	22.92	23.04	23.11	23.07	23.50
		LOW	Q16	22.94	22.94	22.95	23.03	22.95	23.50
	1	LOW	64QAM	23.11	23.08	23.04	23.00	22.91	23.50
		MID	64QAM	22.90	22.90	22.96	23.09	22.95	23.50
		HIGH	64QAM	22.93	22.98	22.97	23.07	22.93	23.50
	12	LOW	64QAM	21.95	22.01	22.01	22.12	22.02	22.50
5	25	MID	64QAM	22.01	21.97	22.07	21.98	22.02	22.50
		HIGH	64QAM	22.08	21.94	22.07	21.96	21.91	22.50
		LOW	64QAM	22.00	21.96	21.98	21.92	22.14	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	24.45	24.53	24.61	24.44	24.62	25.00
		MID	QPSK	24.46	24.62	24.47	24.49	24.56	25.00
		HIGH	QPSK	24.65	24.44	24.62	24.54	24.63	25.00
	25	LOW	QPSK	23.40	23.48	23.63	23.46	23.48	24.00
		MID	QPSK	23.50	23.46	23.40	23.62	23.49	24.00
		HIGH	QPSK	23.43	23.65	23.49	23.45	23.57	24.00
10	50	LOW	QPSK	23.58	23.49	23.62	23.64	23.43	24.00
		LOW	Q16	23.44	23.47	23.46	23.64	23.46	24.00
		MID	Q16	23.43	23.54	23.45	23.61	23.61	24.00
	25	HIGH	Q16	23.49	23.52	23.47	23.51	23.65	24.00
		LOW	Q16	23.14	23.01	22.97	23.07	23.14	23.50
		MID	Q16	23.11	23.05	23.12	23.05	22.95	23.50
10	50	HIGH	Q16	23.10	23.10	23.03	23.14	22.94	23.50
		LOW	Q16	23.11	23.00	22.90	23.07	23.12	23.50
	1	LOW	64QAM	23.07	23.00	23.00	23.03	22.90	23.50
		MID	64QAM	23.14	22.97	23.11	23.13	22.92	23.50
		HIGH	64QAM	22.91	22.94	23.10	23.04	23.13	23.50
	25	LOW	64QAM	22.13	21.95	21.94	21.91	22.15	22.50
10	50	MID	64QAM	22.14	22.09	22.05	21.97	22.08	22.50
		HIGH	64QAM	22.12	22.11	22.09	21.92	21.93	22.50
		LOW	64QAM	21.92	22.06	21.99	21.96	21.96	22.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	24.45	24.53	24.48	24.56	24.45	25.00
		MID	QPSK	24.52	24.61	24.42	24.54	24.40	25.00
		HIGH	QPSK	24.63	24.58	24.55	24.56	24.51	25.00
	36	LOW	QPSK	23.59	23.45	23.64	23.46	23.40	24.00
		MID	QPSK	23.63	23.48	23.55	23.56	23.61	24.00
		HIGH	QPSK	23.58	23.47	23.59	23.62	23.46	24.00
	75	LOW	QPSK	23.50	23.51	23.58	23.43	23.59	24.00
15	1	LOW	Q16	23.55	23.42	23.41	23.50	23.47	24.00
		MID	Q16	23.47	23.57	23.41	23.54	23.54	24.00
		HIGH	Q16	23.52	23.64	23.47	23.50	23.49	24.00
	36	LOW	Q16	23.07	23.09	23.05	22.98	23.06	23.50
		MID	Q16	22.97	23.02	23.08	22.99	23.05	23.50
		HIGH	Q16	23.14	22.90	23.02	23.15	23.13	23.50
	75	LOW	Q16	23.08	23.12	23.10	23.04	23.12	23.50
15	1	LOW	64QAM	23.05	23.04	22.97	23.02	23.11	23.50
		MID	64QAM	23.01	22.94	23.01	23.14	22.91	23.50
		HIGH	64QAM	23.05	23.07	22.97	23.02	23.03	23.50
	36	LOW	64QAM	22.12	22.00	22.15	21.98	22.00	22.50
		MID	64QAM	22.15	22.10	21.90	22.01	22.07	22.50
		HIGH	64QAM	21.92	22.09	22.08	21.99	21.92	22.50
	75	LOW	64QAM	22.06	21.98	22.03	22.01	21.94	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	24.46	24.31	24.48	24.32	24.21	25.00
		MID	QPSK	24.46	24.38	24.40	24.13	24.33	25.00
		HIGH	QPSK	24.53	24.39	24.51	24.34	24.36	25.00
	50	LOW	QPSK	23.68	23.76	23.67	23.67	23.63	24.00
		MID	QPSK	23.78	23.48	23.67	23.46	23.69	24.00
		HIGH	QPSK	23.76	23.76	23.74	23.57	23.65	24.00
	100	LOW	QPSK	23.80	23.38	23.64	23.71	23.68	24.00
20	1	LOW	Q16	23.77	23.85	23.95	23.88	23.87	24.00
		MID	Q16	23.92	23.76	23.88	23.64	23.67	24.00
		HIGH	Q16	23.87	23.92	23.97	23.78	23.73	24.00
	50	LOW	Q16	23.39	23.37	23.37	23.14	23.32	23.50
		MID	Q16	23.49	23.35	23.35	23.42	23.39	23.50
		HIGH	Q16	23.50	23.23	23.42	23.38	23.38	23.50
	100	LOW	Q16	23.45	23.34	23.32	23.44	23.39	23.50
20	1	LOW	64QAM	22.91	22.90	23.15	22.97	23.13	23.50
		MID	64QAM	22.97	22.96	23.15	22.99	22.95	23.50
		HIGH	64QAM	22.94	23.02	23.14	23.15	22.90	23.50
	50	LOW	64QAM	22.13	22.09	22.03	21.95	22.03	22.50
		MID	64QAM	21.98	21.97	22.10	22.09	21.96	22.50
		HIGH	64QAM	22.01	21.92	22.14	21.92	22.08	22.50
	100	LOW	64QAM	22.13	21.90	22.14	22.11	21.91	22.50

LTE B41-Level 2 -Ant.2									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	24.45	24.53	24.43	24.62	24.52	25.00
		MID	QPSK	24.62	24.65	24.53	24.54	24.52	25.00
		HIGH	QPSK	24.61	24.46	24.43	24.64	24.46	25.00
	12	LOW	QPSK	23.49	23.54	23.42	23.47	23.49	24.00
		MID	QPSK	23.54	23.57	23.64	23.51	23.53	24.00
		HIGH	QPSK	23.56	23.47	23.55	23.49	23.40	24.00
5	1	LOW	QPSK	23.45	23.54	23.43	23.43	23.60	24.00
	12	LOW	Q16	23.56	23.54	23.65	23.65	23.43	24.00
		MID	Q16	23.57	23.51	23.48	23.40	23.56	24.00
		HIGH	Q16	23.47	23.51	23.41	23.42	23.46	24.00
	25	LOW	Q16	22.96	22.93	22.93	22.90	23.09	23.50
		MID	Q16	22.93	22.90	23.05	22.97	22.94	23.50
5	1	LOW	Q16	23.10	22.92	23.04	23.11	23.07	23.50
		MID	Q16	22.94	22.94	22.95	23.03	22.95	23.50
		HIGH	Q16	23.11	23.08	23.04	23.00	22.91	23.50
	12	LOW	64QAM	22.90	22.90	22.96	23.09	22.95	23.50
		MID	64QAM	22.93	22.98	22.97	23.07	22.93	23.50
		HIGH	64QAM	21.95	22.01	22.01	22.12	22.02	22.50
5	12	LOW	64QAM	22.01	21.97	22.07	21.98	22.02	22.50
		MID	64QAM	22.08	21.94	22.07	21.96	21.91	22.50
		HIGH	64QAM	22.00	21.96	21.98	21.92	22.14	22.50
	25	LOW	64QAM	22.00	21.96	21.98	21.92	22.14	22.50
		MID	64QAM	22.00	21.96	21.98	21.92	22.14	22.50
		HIGH	64QAM	22.00	21.96	21.98	21.92	22.14	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	24.45	24.53	24.61	24.44	24.62	25.00
		MID	QPSK	24.46	24.62	24.47	24.49	24.56	25.00
		HIGH	QPSK	24.65	24.44	24.62	24.54	24.63	25.00
	25	LOW	QPSK	23.40	23.48	23.63	23.46	23.48	24.00
		MID	QPSK	23.50	23.46	23.40	23.62	23.49	24.00
		HIGH	QPSK	23.43	23.65	23.49	23.45	23.57	24.00
10	50	LOW	QPSK	23.58	23.49	23.62	23.64	23.43	24.00
		MID	Q16	23.44	23.47	23.46	23.64	23.46	24.00
		HIGH	Q16	23.43	23.54	23.45	23.61	23.61	24.00
	25	LOW	Q16	23.49	23.52	23.47	23.51	23.65	24.00
		MID	Q16	23.14	23.01	22.97	23.07	23.14	23.50
		HIGH	Q16	23.11	23.05	23.12	23.05	22.95	23.50
10	50	LOW	Q16	23.10	23.10	23.03	23.14	22.94	23.50
		MID	Q16	23.11	23.00	22.90	23.07	23.12	23.50
		HIGH	Q16	23.07	23.00	23.00	23.03	22.90	23.50
	25	LOW	64QAM	23.14	22.97	23.11	23.13	22.92	23.50
		MID	64QAM	22.91	22.94	23.10	23.04	23.13	23.50
		HIGH	64QAM	22.13	21.95	21.94	21.91	22.15	22.50
10	25	LOW	64QAM	22.14	22.09	22.05	21.97	22.08	22.50
		MID	64QAM	22.12	22.11	22.09	21.92	21.93	22.50
		HIGH	64QAM	21.92	22.06	21.99	21.96	21.96	22.50
	50	LOW	64QAM	21.92	22.06	21.99	21.96	21.96	22.50
		MID	64QAM	21.92	22.06	21.99	21.96	21.96	22.50
		HIGH	64QAM	21.92	22.06	21.99	21.96	21.96	22.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	24.45	24.53	24.48	24.56	24.45	25.00
		MID	QPSK	24.52	24.61	24.42	24.54	24.40	25.00
		HIGH	QPSK	24.63	24.58	24.55	24.56	24.51	25.00
	36	LOW	QPSK	23.59	23.45	23.64	23.46	23.40	24.00
		MID	QPSK	23.63	23.48	23.55	23.56	23.61	24.00
		HIGH	QPSK	23.58	23.47	23.59	23.62	23.46	24.00
	75	LOW	QPSK	23.50	23.51	23.58	23.43	23.59	24.00
15	1	LOW	Q16	23.55	23.42	23.41	23.50	23.47	24.00
		MID	Q16	23.47	23.57	23.41	23.54	23.54	24.00
		HIGH	Q16	23.52	23.64	23.47	23.50	23.49	24.00
	36	LOW	Q16	23.07	23.09	23.05	22.98	23.06	23.50
		MID	Q16	22.97	23.02	23.08	22.99	23.05	23.50
		HIGH	Q16	23.14	22.90	23.02	23.15	23.13	23.50
	75	LOW	Q16	23.08	23.12	23.10	23.04	23.12	23.50
15	1	LOW	64QAM	23.05	23.04	22.97	23.02	23.11	23.50
		MID	64QAM	23.01	22.94	23.01	23.14	22.91	23.50
		HIGH	64QAM	23.05	23.07	22.97	23.02	23.03	23.50
	36	LOW	64QAM	22.12	22.00	22.15	21.98	22.00	22.50
		MID	64QAM	22.15	22.10	21.90	22.01	22.07	22.50
		HIGH	64QAM	21.92	22.09	22.08	21.99	21.92	22.50
	75	LOW	64QAM	22.06	21.98	22.03	22.01	21.94	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	24.46	24.31	24.48	24.32	24.21	25.00
		MID	QPSK	24.46	24.38	24.40	24.13	24.33	25.00
		HIGH	QPSK	24.53	24.39	24.51	24.34	24.36	25.00
	50	LOW	QPSK	23.68	23.76	23.67	23.67	23.63	24.00
		MID	QPSK	23.78	23.48	23.67	23.46	23.69	24.00
		HIGH	QPSK	23.76	23.76	23.74	23.57	23.65	24.00
	100	LOW	QPSK	23.80	23.38	23.64	23.71	23.68	24.00
20	1	LOW	Q16	23.77	23.85	23.95	23.88	23.87	24.00
		MID	Q16	23.92	23.76	23.88	23.64	23.67	24.00
		HIGH	Q16	23.87	23.92	23.97	23.78	23.73	24.00
	50	LOW	Q16	23.39	23.37	23.37	23.14	23.32	23.50
		MID	Q16	23.49	23.35	23.35	23.42	23.39	23.50
		HIGH	Q16	23.50	23.23	23.42	23.38	23.38	23.50
	100	LOW	Q16	23.45	23.34	23.32	23.44	23.39	23.50
20	1	LOW	64QAM	22.91	22.90	23.15	22.97	23.13	23.50
		MID	64QAM	22.97	22.96	23.15	22.99	22.95	23.50
		HIGH	64QAM	22.94	23.02	23.14	23.15	22.90	23.50
	50	LOW	64QAM	22.13	22.09	22.03	21.95	22.03	22.50
		MID	64QAM	21.98	21.97	22.10	22.09	21.96	22.50
		HIGH	64QAM	22.01	21.92	22.14	21.92	22.08	22.50
	100	LOW	64QAM	22.13	21.90	22.14	22.11	21.91	22.50

LTE B41-Level 1 -Ant.4									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	21.22	21.17	21.25	21.15	21.21	21.50
		MID	QPSK	21.20	21.11	21.23	21.19	21.24	21.50
		HIGH	QPSK	21.28	21.20	21.21	21.26	21.16	21.50
	12	LOW	QPSK	20.24	20.24	20.28	20.28	20.10	20.50
		MID	QPSK	20.15	20.18	20.26	20.26	20.25	20.50
		HIGH	QPSK	20.17	20.30	20.29	20.14	20.20	20.50
25	LOW	QPSK	20.19	20.21	20.15	20.23	20.23	20.50	
5	1	LOW	Q16	20.17	20.14	20.18	20.16	20.19	20.50
		MID	Q16	20.14	20.18	20.27	20.18	20.20	20.50
		HIGH	Q16	20.18	20.18	20.11	20.30	20.30	20.50
	12	LOW	Q16	19.25	19.24	19.20	19.20	19.19	19.50
		MID	Q16	19.12	19.17	19.16	19.22	19.13	19.50
		HIGH	Q16	19.22	19.21	19.26	19.30	19.20	19.50
25	LOW	Q16	19.29	19.21	19.12	19.17	19.30	19.50	
5	1	LOW	64QAM	19.15	19.25	19.11	19.12	19.14	19.50
		MID	64QAM	19.11	19.22	19.11	19.22	19.23	19.50
		HIGH	64QAM	19.21	19.13	19.21	19.27	19.15	19.50
	12	LOW	64QAM	18.29	18.14	18.27	18.18	18.11	18.50
		MID	64QAM	18.14	18.29	18.17	18.12	18.19	18.50
		HIGH	64QAM	18.16	18.25	18.14	18.12	18.10	18.50
25	LOW	64QAM	18.29	18.21	18.13	18.25	18.21	18.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	21.24	21.19	21.23	21.18	21.21	21.50
		MID	QPSK	21.14	21.26	21.25	21.20	21.18	21.50
		HIGH	QPSK	21.13	21.12	21.24	21.30	21.18	21.50
	25	LOW	QPSK	20.11	20.25	20.11	20.22	20.22	20.50
		MID	QPSK	20.14	20.15	20.11	20.13	20.25	20.50
		HIGH	QPSK	20.14	20.27	20.15	20.15	20.13	20.50
50	LOW	QPSK	20.10	20.11	20.23	20.10	20.11	20.50	
10	1	LOW	Q16	20.21	20.25	20.28	20.12	20.16	20.50
		MID	Q16	20.29	20.13	20.28	20.30	20.16	20.50
		HIGH	Q16	20.16	20.25	20.12	20.20	20.24	20.50
	25	LOW	Q16	19.10	19.23	19.13	19.24	19.10	19.50
		MID	Q16	19.24	19.20	19.11	19.12	19.28	19.50
		HIGH	Q16	19.16	19.28	19.29	19.21	19.17	19.50
50	LOW	Q16	19.15	19.22	19.30	19.21	19.13	19.50	
10	1	LOW	64QAM	19.30	19.11	19.30	19.14	19.13	19.50
		MID	64QAM	19.22	19.28	19.30	19.29	19.26	19.50
		HIGH	64QAM	19.28	19.16	19.16	19.22	19.13	19.50
	25	LOW	64QAM	18.30	18.21	18.22	18.28	18.10	18.50
		MID	64QAM	18.16	18.16	18.30	18.11	18.22	18.50
		HIGH	64QAM	18.23	18.22	18.20	18.26	18.16	18.50
50	LOW	64QAM	18.20	18.25	18.15	18.16	18.29	18.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	21.29	21.17	21.27	21.20	21.22	21.50
		MID	QPSK	21.13	21.25	21.28	21.18	21.18	21.50
		HIGH	QPSK	21.24	21.17	21.16	21.25	21.15	21.50
	36	LOW	QPSK	20.14	20.21	20.22	20.19	20.17	20.50
		MID	QPSK	20.22	20.19	20.22	20.22	20.18	20.50
		HIGH	QPSK	20.23	20.21	20.23	20.15	20.28	20.50
	75	LOW	QPSK	20.18	20.14	20.17	20.17	20.16	20.50
15	1	LOW	Q16	20.17	20.25	20.25	20.25	20.14	20.50
		MID	Q16	20.27	20.23	20.13	20.19	20.13	20.50
		HIGH	Q16	20.10	20.22	20.23	20.29	20.29	20.50
	36	LOW	Q16	19.16	19.12	19.12	19.15	19.22	19.50
		MID	Q16	19.15	19.11	19.29	19.16	19.15	19.50
		HIGH	Q16	19.30	19.24	19.25	19.30	19.20	19.50
	75	LOW	Q16	19.23	19.15	19.10	19.29	19.21	19.50
15	1	LOW	64QAM	19.14	19.20	19.25	19.17	19.22	19.50
		MID	64QAM	19.12	19.15	19.21	19.20	19.30	19.50
		HIGH	64QAM	19.19	19.10	19.27	19.10	19.14	19.50
	36	LOW	64QAM	18.22	18.24	18.10	18.22	18.21	18.50
		MID	64QAM	18.23	18.16	18.11	18.16	18.17	18.50
		HIGH	64QAM	18.18	18.29	18.30	18.29	18.29	18.50
	75	LOW	64QAM	18.18	18.22	18.24	18.25	18.17	18.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	21.21	21.10	21.13	21.04	21.07	21.50
		MID	QPSK	21.12	21.15	21.16	21.02	21.11	21.50
		HIGH	QPSK	21.25	21.20	21.18	21.09	21.12	21.50
	50	LOW	QPSK	20.21	20.26	20.29	20.14	20.22	20.50
		MID	QPSK	20.35	20.12	20.17	20.18	20.16	20.50
		HIGH	QPSK	20.10	20.10	20.14	20.29	20.16	20.50
	100	LOW	QPSK	20.33	20.20	20.15	20.12	20.24	20.50
20	1	LOW	Q16	20.14	20.10	20.11	20.18	20.20	20.50
		MID	Q16	20.10	20.27	20.11	20.15	20.12	20.50
		HIGH	Q16	20.30	20.25	20.28	20.28	20.19	20.50
	50	LOW	Q16	19.30	19.16	19.17	19.10	19.23	19.50
		MID	Q16	19.22	19.11	19.30	19.15	19.26	19.50
		HIGH	Q16	19.29	19.20	19.22	19.22	19.15	19.50
	100	LOW	Q16	19.17	19.29	19.13	19.14	19.18	19.50
20	1	LOW	64QAM	19.21	19.27	19.11	19.24	19.18	19.50
		MID	64QAM	19.19	19.14	19.22	19.14	19.29	19.50
		HIGH	64QAM	19.20	19.20	19.14	19.24	19.16	19.50
	50	LOW	64QAM	18.12	18.15	18.14	18.29	18.18	18.50
		MID	64QAM	18.19	18.16	18.13	18.24	18.26	18.50
		HIGH	64QAM	18.19	18.26	18.20	18.26	18.30	18.50
	100	LOW	64QAM	18.20	18.21	18.28	18.14	18.25	18.50

LTE B41-Level 2 -Ant.4									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	24.18	24.12	24.15	24.23	24.16	24.50
		MID	QPSK	24.18	24.12	24.20	24.13	24.28	24.50
		HIGH	QPSK	24.28	24.19	24.17	24.15	24.21	24.50
	12	LOW	QPSK	23.26	23.20	23.16	23.26	23.16	23.50
		MID	QPSK	23.18	23.19	23.30	23.11	23.17	23.50
		HIGH	QPSK	23.22	23.29	23.22	23.20	23.29	23.50
5	1	LOW	QPSK	23.25	23.15	23.25	23.16	23.22	23.50
	12	LOW	Q16	23.12	23.22	23.24	23.16	23.28	23.50
		MID	Q16	23.17	23.28	23.10	23.21	23.28	23.50
		HIGH	Q16	23.18	23.18	23.27	23.21	23.15	23.50
	25	LOW	Q16	22.23	22.10	22.30	22.13	22.12	22.50
		MID	Q16	22.30	22.26	22.12	22.11	22.17	22.50
5	1	LOW	Q16	22.17	22.30	22.12	22.16	22.24	22.50
		MID	Q16	22.17	22.17	22.10	22.15	22.13	22.50
		HIGH	Q16	22.14	22.24	22.16	22.20	22.16	22.50
	12	LOW	64QAM	22.19	22.24	22.22	22.16	22.23	22.50
		MID	64QAM	22.19	22.20	22.25	22.17	22.22	22.50
		HIGH	64QAM	21.23	21.15	21.23	21.28	21.20	21.50
5	1	LOW	64QAM	21.20	21.16	21.15	21.22	21.17	21.50
		MID	64QAM	21.24	21.12	21.30	21.19	21.29	21.50
		HIGH	64QAM	21.22	21.12	21.22	21.23	21.10	21.50
	25	LOW	64QAM	21.22	21.12	21.22	21.23	21.10	21.50
		MID	64QAM	21.22	21.12	21.22	21.23	21.10	21.50
		HIGH	64QAM	21.22	21.12	21.22	21.23	21.10	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	24.15	24.27	24.29	24.17	24.19	24.50
		MID	QPSK	24.12	24.25	24.22	24.21	24.25	24.50
		HIGH	QPSK	24.12	24.22	24.18	24.27	24.12	24.50
	25	LOW	QPSK	23.27	23.12	23.19	23.10	23.21	23.50
		MID	QPSK	23.29	23.28	23.21	23.14	23.14	23.50
		HIGH	QPSK	23.27	23.16	23.17	23.20	23.21	23.50
10	1	LOW	QPSK	23.28	23.23	23.16	23.24	23.15	23.50
		MID	QPSK	23.27	23.18	23.26	23.29	23.25	23.50
		HIGH	QPSK	23.27	23.18	23.26	23.29	23.25	23.50
	25	LOW	Q16	23.27	23.18	23.26	23.29	23.25	23.50
		MID	Q16	23.27	23.28	23.10	23.14	23.13	23.50
		HIGH	Q16	23.21	23.19	23.10	23.18	23.14	23.50
10	1	LOW	Q16	22.21	22.12	22.18	22.23	22.18	22.50
		MID	Q16	22.28	22.27	22.22	22.12	22.28	22.50
		HIGH	Q16	22.21	22.30	22.17	22.19	22.30	22.50
	25	LOW	Q16	22.15	22.18	22.10	22.20	22.28	22.50
		MID	Q16	22.11	22.29	22.16	22.12	22.15	22.50
		HIGH	Q16	22.20	22.24	22.29	22.29	22.28	22.50
10	1	LOW	64QAM	22.29	22.18	22.14	22.21	22.20	22.50
		MID	64QAM	21.15	21.12	21.16	21.11	21.23	21.50
		HIGH	64QAM	21.29	21.14	21.24	21.15	21.15	21.50
	25	LOW	64QAM	21.26	21.23	21.23	21.22	21.15	21.50
		MID	64QAM	21.20	21.17	21.27	21.15	21.16	21.50
		HIGH	64QAM	21.20	21.17	21.27	21.15	21.16	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	24.29	24.25	24.13	24.28	24.16	24.50
		MID	QPSK	24.25	24.16	24.11	24.18	24.29	24.50
		HIGH	QPSK	24.28	24.24	24.20	24.26	24.23	24.50
	36	LOW	QPSK	23.25	23.28	23.25	23.29	23.18	23.50
		MID	QPSK	23.27	23.24	23.12	23.17	23.20	23.50
		HIGH	QPSK	23.23	23.20	23.18	23.21	23.12	23.50
	75	LOW	QPSK	23.27	23.20	23.13	23.23	23.11	23.50
15	1	LOW	Q16	23.16	23.20	23.30	23.28	23.21	23.50
		MID	Q16	23.25	23.24	23.30	23.14	23.12	23.50
		HIGH	Q16	23.13	23.11	23.10	23.28	23.16	23.50
	36	LOW	Q16	22.21	22.10	22.29	22.19	22.13	22.50
		MID	Q16	22.30	22.14	22.17	22.21	22.17	22.50
		HIGH	Q16	22.11	22.23	22.15	22.24	22.17	22.50
	75	LOW	Q16	22.16	22.27	22.19	22.23	22.18	22.50
15	1	LOW	64QAM	22.30	22.30	22.23	22.29	22.16	22.50
		MID	64QAM	22.25	22.23	22.10	22.11	22.26	22.50
		HIGH	64QAM	22.26	22.26	22.27	22.11	22.18	22.50
	36	LOW	64QAM	21.26	21.28	21.30	21.11	21.11	21.50
		MID	64QAM	21.10	21.28	21.21	21.28	21.28	21.50
		HIGH	64QAM	21.23	21.27	21.14	21.29	21.20	21.50
	75	LOW	64QAM	21.29	21.30	21.26	21.19	21.26	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	24.12	24.10	24.22	24.18	24.24	24.50
		MID	QPSK	24.33	24.10	24.16	24.14	24.15	24.50
		HIGH	QPSK	24.13	24.17	24.17	24.15	24.27	24.50
	50	LOW	QPSK	23.29	23.26	23.21	23.29	23.16	23.50
		MID	QPSK	23.39	23.24	23.24	23.14	23.19	23.50
		HIGH	QPSK	23.10	23.28	23.21	23.29	23.28	23.50
	100	LOW	QPSK	23.02	23.15	23.19	23.29	23.24	23.50
20	1	LOW	Q16	23.05	23.20	23.29	23.15	23.12	23.50
		MID	Q16	23.12	23.17	23.24	23.26	23.26	23.50
		HIGH	Q16	23.09	23.11	23.20	23.28	23.28	23.50
	50	LOW	Q16	22.19	22.26	22.15	22.21	22.25	22.50
		MID	Q16	22.06	22.22	22.10	22.11	22.27	22.50
		HIGH	Q16	22.17	22.29	22.12	22.12	22.15	22.50
	100	LOW	Q16	22.17	22.14	22.18	22.16	22.22	22.50
20	1	LOW	64QAM	22.11	22.18	22.30	22.30	22.30	22.50
		MID	64QAM	22.05	22.18	22.17	22.26	22.23	22.50
		HIGH	64QAM	22.00	22.28	22.12	22.20	22.16	22.50
	50	LOW	64QAM	21.17	21.24	21.16	21.20	21.12	21.50
		MID	64QAM	21.11	21.27	21.15	21.21	21.23	21.50
		HIGH	64QAM	21.14	21.10	21.25	21.18	21.29	21.50
	100	LOW	64QAM	21.00	21.15	21.28	21.23	21.22	21.50

8.4 Intra-Band Uplink CA Power

8.4.1 LTE Band7 Uplink CA Output Power

LTE Uplink 2CA_Band 7-Level 1 -Ant.2										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	Low	0	Low	1	23.27	24.00
21100	21298	20	QPSK	1	Low	0	Low	1	23.39	24.00
21350	21152	20	QPSK	1	Low	0	Low	1	23.31	24.00

LTE Uplink 2CA_Band 7-Level 2 -Ant.2										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	Low	0	Low	1	23.21	24.00
21100	21298	20	QPSK	1	Low	0	Low	1	23.27	24.00
21350	21152	20	QPSK	1	Low	0	Low	1	23.44	24.00

LTE Uplink 2CA_Band 7-Level 1 -Ant.4										
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	Low	0	Low	1	16.24	16.50
21100	21298	20	QPSK	1	Low	0	Low	1	16.18	16.50
21350	21152	20	QPSK	1	Low	0	Low	1	16.21	16.50

LTE Uplink 2CA_Band 7-Level 2 -Ant.4										
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	Low	0	Low	1	19.18	19.50
21100	21298	20	QPSK	1	Low	0	Low	1	19.22	19.50
21350	21152	20	QPSK	1	Low	0	Low	1	19.07	19.50

8.5.1 5G NR Output Power

8.5.1 NR Band5 Output Power

5G N5-Level1 -Ant.2							
Bandwidth (MHz)		Channel		165300	167300	169300	Tune-up power(dB)
		Frequency(MHz)		826.5	836.5	846.5	
5	DFT-s-OFDM	1	1	23.01	23.06	23.04	24.00
Bandwidth (MHz)		Channel		165800	167300	168800	Tune-up power(dB)
		Frequency(MHz)		829	836.5	844	
10	DFT-s-OFDM	1	1	23.03	23.09	23.07	24.00
Bandwidth (MHz)		Channel		166300	167300	168300	Tune-up power(dB)
		Frequency(MHz)		831.5	836.5	841.5	
15	DFT-s-OFDM	1	1	23.12	23.01	23.08	24.00
Bandwidth (MHz)		Channel		166800	167300	167800	Tune-up power(dB)
		Frequency(MHz)		834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	23.09	23.04	23.02	24.00
		1	53	22.87	22.88	22.81	24.00
		1	104	23.01	23.02	22.98	24.00
	DFT-s-OFDM BPSK	50	0	23.02	23.09	23.01	24.00
		50	28	23.05	23.12	22.98	24.00
		50	56	23.01	23.07	22.95	24.00
	DFT-s-OFDM BPSK	100	0	23.08	23.21	23.15	24.00
	DFT-s-OFDM QPSK	1	1	23.11	23.19	23.05	24.00
	DFT-s-OFDM 16QAM	1	1	22.15	22.14	22.21	23.00
	DFT-s-OFDM 64QAM	1	1	21.18	21.22	21.31	22.00
	DFT-s-OFDM	1	1	19.27	19.33	19.31	20.00
	CP-OFDM QPSK	1	1	22.24	22.08	22.19	23.00
	CP-OFDM 16QAM	1	1	22.31	22.39	22.27	23.00
	CP-OFDM 64QAM	1	1	20.21	20.05	20.18	21.00
	CP-OFDM 256QAM	1	1	17.49	17.46	17.51	18.00

5G N5-Level2 -Ant.2							
Bandwidth (MHz)		Channel		165300	167300	169300	Tune-up power(dB)
		Frequency(MHz)		826.5	836.5	846.5	
5	DFT-s-OFDM	1	1	23.01	23.06	23.04	24.00
Bandwidth (MHz)		Channel		165800	167300	168800	Tune-up power(dB)
		Frequency(MHz)		829	836.5	844	
10	DFT-s-OFDM	1	1	23.03	23.09	23.07	24.00
Bandwidth (MHz)		Channel		166300	167300	168300	Tune-up power(dB)
		Frequency(MHz)		831.5	836.5	841.5	
15	DFT-s-OFDM	1	1	23.12	23.01	23.08	24.00
Bandwidth (MHz)		Channel		166800	167300	167800	Tune-up power(dB)
		Frequency(MHz)		834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	23.09	23.04	23.02	24.00
		1	53	22.87	22.88	22.81	24.00
		1	104	23.01	23.02	22.98	24.00
	DFT-s-OFDM BPSK	50	0	23.02	23.09	23.01	24.00
		50	28	23.05	23.12	22.98	24.00
		50	56	23.01	23.07	22.95	24.00
	DFT-s-OFDM BPSK	100	0	23.08	23.21	23.15	24.00
	DFT-s-OFDM QPSK	1	1	23.11	23.19	23.05	24.00
	DFT-s-OFDM 16QAM	1	1	22.15	22.14	22.21	23.00
	DFT-s-OFDM 64QAM	1	1	21.18	21.22	21.31	22.00
	DFT-s-OFDM	1	1	19.27	19.33	19.31	20.00
	CP-OFDM QPSK	1	1	22.24	22.08	22.19	23.00
	CP-OFDM 16QAM	1	1	22.31	22.39	22.27	23.00
	CP-OFDM 64QAM	1	1	20.21	20.05	20.18	21.00
	CP-OFDM 256QAM	1	1	17.49	17.46	17.51	18.00

8.5.2 NR Band7 Output Power

5G N7-Level1 -Ant.2							
Bandwidth (MHz)		Channel		500500	507000	513500	Tune-up power(dB)
		Frequency(MHz)		2502.5	2535	2567.5	
5	DFT-s-OFDM	1	1	24.07	24.01	24.11	24.50
Bandwidth (MHz)		Channel		501000	507000	513000	Tune-up power(dB)
		Frequency(MHz)		2505	2535	2565	
10	DFT-s-OFDM	1	1	24.05	24.18	24.07	24.50
Bandwidth (MHz)		Channel		501500	507000	512500	Tune-up power(dB)
		Frequency(MHz)		2507.5	2535	2562.5	
15	DFT-s-OFDM	1	1	24.15	24.17	24.08	24.50
Bandwidth (MHz)		Channel		502000	507000	512000	Tune-up power(dB)
		Frequency(MHz)		2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	24.12	24.05	24.11	24.50
		1	53	24.15	24.18	24.06	24.50
		1	104	24.07	24.11	24.09	24.50
	DFT-s-OFDM BPSK	50	0	23.14	23.18	23.21	23.50
		50	28	23.04	23.22	23.19	23.50
		50	56	23.11	23.09	23.07	23.50
	DFT-s-OFDM BPSK	100	0	24.11	24.13	24.09	24.50
	DFT-s-OFDM QPSK	1	1	24.07	24.18	24.12	24.50
	DFT-s-OFDM 16QAM	1	1	23.08	23.22	23.11	23.50
	DFT-s-OFDM 64QAM	1	1	21.58	21.44	21.66	22.00
	DFT-s-OFDM	1	1	18.42	18.24	18.37	19.00
	CP-OFDM QPSK	1	1	24.13	24.18	24.15	24.50
	CP-OFDM 16QAM	1	1	22.09	22.16	22.04	22.50
	CP-OFDM 64QAM	1	1	20.47	20.60	20.54	21.00
	CP-OFDM 256QAM	1	1	17.87	17.95	17.86	18.50

5G N7-Level2 -Ant.2							
Bandwidth (MHz)		Channel		500500	507000	513500	Tune-up power(dB)
		Frequency(MHz)		2502.5	2535	2567.5	
5	DFT-s-OFDM	1	1	24.07	24.01	24.11	24.50
Bandwidth (MHz)		Channel		501000	507000	513000	Tune-up power(dB)
		Frequency(MHz)		2505	2535	2565	
10	DFT-s-OFDM	1	1	24.05	24.18	24.07	24.50
Bandwidth (MHz)		Channel		501500	507000	512500	Tune-up power(dB)
		Frequency(MHz)		2507.5	2535	2562.5	
15	DFT-s-OFDM	1	1	24.15	24.17	24.08	24.50
Bandwidth (MHz)		Channel		502000	507000	512000	Tune-up power(dB)
		Frequency(MHz)		2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	24.12	24.05	24.11	24.50
		1	53	24.15	24.18	24.06	24.50
		1	104	24.07	24.11	24.09	24.50
	DFT-s-OFDM BPSK	50	0	23.14	23.18	23.21	23.50
		50	28	23.04	23.22	23.19	23.50
		50	56	23.11	23.09	23.07	23.50
	DFT-s-OFDM BPSK	100	0	24.11	24.13	24.09	24.50
	DFT-s-OFDM QPSK	1	1	24.07	24.18	24.12	24.50
	DFT-s-OFDM 16QAM	1	1	23.08	23.22	23.11	23.50
	DFT-s-OFDM 64QAM	1	1	21.58	21.44	21.66	22.00
	DFT-s-OFDM 256QAM	1	1	18.42	18.24	18.37	19.00
	CP-OFDM QPSK	1	1	24.13	24.18	24.15	24.50
	CP-OFDM 16QAM	1	1	22.09	22.16	22.04	22.50
	CP-OFDM 64QAM	1	1	20.47	20.60	20.54	21.00
	CP-OFDM 256QAM	1	1	17.87	17.95	17.86	18.50

8.5.3 NR Band41 Output Power

5G N41-Level 1 -Ant.2(PC2&3)									
Bandwidth (MHz)		Channel		501204	509898	518598	527298	535998	Tune-up power(dB)
		Frequency(MHz)		2506.02	2549.49	2592.99	2636.49	2679.99	
20	DFT-s-OFDM	1	1	23.60	23.57	23.48	23.54	23.55	24.00
Bandwidth (MHz)		Channel		502200	510396	518598	526794	534996	Tune-up power(dB)
		Frequency(MHz)		2511	2551.98	2592.99	2633.97	2674.98	
30	DFT-s-OFDM	1	1	23.49	23.44	23.48	23.45	23.42	24.00
Bandwidth (MHz)		Channel		503202	510900	518598	526296	534000	Tune-up power(dB)
		Frequency(MHz)		2516.01	2554.5	2592.99	2631.48	2670	
40	DFT-s-OFDM	1	1	23.54	23.42	23.52	23.46	23.40	24.00
Bandwidth (MHz)		Channel		504204	511401	518598	525795	532998	Tune-up power(dB)
		Frequency(MHz)		2521.02	2557.01	2592.99	2628.98	2664.99	
50	DFT-s-OFDM	1	1	23.59	23.54	23.54	23.51	23.51	24.00
Bandwidth (MHz)		Channel		505200	511899	518598	525297	531996	Tune-up power(dB)
		Frequency(MHz)		2526	2559.5	2592.99	2626.49	2659.98	
60	DFT-s-OFDM	1	1	23.49	23.46	23.46	23.45	23.44	24.00
Bandwidth (MHz)		Channel		507204	512901	518598	524295	529998	Tune-up power(dB)
		Frequency(MHz)		2536.02	2564.51	2592.99	2621.48	2649.99	
80	DFT-s-OFDM	1	1	23.47	23.53	23.53	23.59	23.57	24.00
Bandwidth (MHz)		Channel		508200	513399	518598	523797	528996	Tune-up power(dB)
		Frequency(MHz)		2541	2567	2592.99	2618.99	2644.98	
90	DFT-s-OFDM	1	1	23.43	23.56	3.43	23.46	23.47	24.00
Bandwidth (MHz)		Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		Frequency(MHz)		2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	23.70	23.72	23.64	23.66	23.73	24.00
		1	137	23.57	23.65	23.58	23.58	23.64	24.00
		1	271	23.61	23.58	23.49	23.59	23.59	24.00
	DFT-s-OFDM BPSK	135	0	23.51	23.59	23.64	23.57	23.57	24.00
		135	69	23.62	23.49	23.55	23.50	23.67	24.00
		135	138	23.57	23.45	23.53	23.44	23.63	24.00
	DFT-s-OFDM BPSK	270	0	23.57	23.55	23.47	23.59	23.63	24.00
	DFT-s-OFDM QPSK	1	1	23.56	23.42	23.48	23.42	23.52	24.00
	DFT-s-OFDM 16QAM	1	1	22.53	22.55	22.52	22.58	22.56	23.00
	DFT-s-OFDM 64QAM	1	1	21.56	21.45	21.57	21.51	21.41	22.00
	DFT-s-OFDM	1	1	23.45	23.57	23.56	23.54	23.49	24.00
	CP-OFDM QPSK	1	1	23.55	23.42	23.49	23.48	23.50	24.00
	CP-OFDM 16QAM	1	1	21.59	21.46	21.43	21.56	21.51	22.00
	CP-OFDM 64QAM	1	1	20.41	20.47	20.60	20.40	20.58	21.00
	CP-OFDM 256QAM	1	1	17.58	17.41	17.40	17.53	17.41	18.00

5G N41-Level 2 -Ant.2(PC2&3)									
Bandwidth (MHz)		Channel		501204	509898	518598	527298	535998	Tune-up power(dB)
		Frequency(MHz)		2506.02	2549.49	2592.99	2636.49	2679.99	
20	DFT-s-OFDM	1	1	23.60	23.57	23.48	23.54	23.55	24.00
Bandwidth (MHz)		Channel		502200	510396	518598	526794	534996	Tune-up power(dB)
		Frequency(MHz)		2511	2551.98	2592.99	2633.97	2674.98	
30	DFT-s-OFDM	1	1	23.49	23.44	23.48	23.45	23.42	24.00
Bandwidth (MHz)		Channel		503202	510900	518598	526296	534000	Tune-up power(dB)
		Frequency(MHz)		2516.01	2554.5	2592.99	2631.48	2670	
40	DFT-s-OFDM	1	1	23.54	23.42	23.52	23.46	23.40	24.00
Bandwidth (MHz)		Channel		504204	511401	518598	525795	532998	Tune-up power(dB)
		Frequency(MHz)		2521.02	2557.01	2592.99	2628.98	2664.99	
50	DFT-s-OFDM	1	1	23.59	23.54	23.54	23.51	23.51	24.00
Bandwidth (MHz)		Channel		505200	511899	518598	525297	531996	Tune-up power(dB)
		Frequency(MHz)		2526	2559.5	2592.99	2626.49	2659.98	
60	DFT-s-OFDM	1	1	23.49	23.46	23.46	23.45	23.44	24.00
Bandwidth (MHz)		Channel		507204	512901	518598	524295	529998	Tune-up power(dB)
		Frequency(MHz)		2536.02	2564.51	2592.99	2621.48	2649.99	
80	DFT-s-OFDM	1	1	23.47	23.53	23.53	23.59	23.57	24.00
Bandwidth (MHz)		Channel		508200	513399	518598	523797	528996	Tune-up power(dB)
		Frequency(MHz)		2541	2567	2592.99	2618.99	2644.98	
90	DFT-s-OFDM	1	1	23.43	23.56	3.43	23.46	23.47	24.00
Bandwidth (MHz)		Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		Frequency(MHz)		2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	23.70	23.72	23.64	23.66	23.73	24.00
		1	137	23.57	23.65	23.58	23.58	23.64	24.00
		1	271	23.61	23.58	23.49	23.59	23.59	24.00
	DFT-s-OFDM BPSK	135	0	23.51	23.59	23.64	23.57	23.57	24.00
		135	69	23.62	23.49	23.55	23.50	23.67	24.00
		135	138	23.57	23.45	23.53	23.44	23.63	24.00
	DFT-s-OFDM BPSK	270	0	23.57	23.55	23.47	23.59	23.63	24.00
	DFT-s-OFDM QPSK	1	1	23.56	23.42	23.48	23.42	23.52	24.00
	DFT-s-OFDM 16QAM	1	1	22.53	22.55	22.52	22.58	22.56	23.00
	DFT-s-OFDM 64QAM	1	1	21.56	21.45	21.57	21.51	21.41	22.00
	DFT-s-OFDM	1	1	23.45	23.57	23.56	23.54	23.49	24.00
	CP-OFDM QPSK	1	1	23.55	23.42	23.49	23.48	23.50	24.00
	CP-OFDM 16QAM	1	1	21.59	21.46	21.43	21.56	21.51	22.00
	CP-OFDM 64QAM	1	1	20.41	20.47	20.60	20.40	20.58	21.00
	CP-OFDM 256QAM	1	1	17.58	17.41	17.40	17.53	17.41	18.00

5G N41-Level 1 -Ant.8(PC2&3)									
Bandwidth (MHz)		Channel		501204	509898	518598	527298	535998	Tune-up
		Frequency(MHz)		2506.02	2549.49	2592.99	2636.49	2679.99	power(dB)
20	DFT-s-	1	1	16.65	16.67	16.61	16.76	16.78	17.00
Bandwidth (MHz)		Channel		502200	510396	518598	526794	534996	Tune-up
		Frequency(MHz)		2511	2551.98	2592.99	2633.97	2674.98	power(dB)
30	DFT-s-	1	1	16.60	16.70	16.69	16.61	16.72	17.00
Bandwidth (MHz)		Channel		503202	510900	518598	526296	534000	Tune-up
		Frequency(MHz)		2516.01	2554.5	2592.99	2631.48	2670	power(dB)
40	DFT-s-	1	1	16.65	16.77	16.80	16.76	16.65	17.00
Bandwidth (MHz)		Channel		504204	511401	518598	525795	532998	Tune-up
		Frequency(MHz)		2521.02	2557.01	2592.99	2628.98	2664.99	power(dB)
50	DFT-s-	1	1	16.62	16.69	16.76	16.80	16.68	17.00
Bandwidth (MHz)		Channel		505200	511899	518598	525297	531996	Tune-up
		Frequency(MHz)		2526	2559.5	2592.99	2626.49	2659.98	power(dB)
60	DFT-s-	1	1	16.68	16.72	16.63	16.71	16.77	17.00
Bandwidth (MHz)		Channel		507204	512901	518598	524295	529998	Tune-up
		Frequency(MHz)		2536.02	2564.51	2592.99	2621.48	2649.99	power(dB)
80	DFT-s-	1	1	16.76	16.70	16.61	16.72	16.76	17.00
Bandwidth (MHz)		Channel		508200	513399	518598	523797	528996	Tune-up
		Frequency(MHz)		2541	2567	2592.99	2618.99	2644.98	power(dB)
90	DFT-s-	1	1	16.69	16.68	16.76	16.64	16.64	17.00
Bandwidth (MHz)		Channel		509202	513900	518598	523302	528000	Tune-up
		Frequency(MHz)		2546.01	2569.5	2592.99	2616.51	2640	power(dB)
100	DFT-s-OFDM	1	1	16.75	16.75	16.74	16.61	16.79	17.00
		1	137	16.65	16.74	16.76	16.61	16.62	17.00
		1	271	16.68	16.76	16.70	16.66	16.75	17.00
	DFT-s-OFDM	135	0	13.65	16.68	16.68	16.64	16.73	17.00
		135	69	16.63	16.60	16.67	16.69	16.67	17.00
		135	138	16.66	16.72	16.70	16.71	16.72	17.00
	DFT-s-BPSK	270	0	16.74	16.72	16.61	16.75	16.78	17.00
		1	1	16.60	16.77	16.61	16.71	16.79	17.00
		1	1	16.64	16.77	16.72	16.64	16.64	17.00
	DFT-s-CP-	1	1	16.67	16.79	16.69	16.75	16.60	17.00
		1	1	16.64	16.66	16.64	16.78	16.60	17.00
		1	1	16.69	16.65	16.62	16.65	16.70	17.00
	CP-	1	1	16.65	16.63	16.61	16.62	16.67	17.00
		1	1	16.65	16.75	16.77	16.70	16.72	17.00
		1	1	16.66	16.68	16.77	16.77	16.72	17.00

5G N41-Level 2 -Ant.8(PC2&3)									
Bandwidth (MHz)		Channel		501204	509898	518598	527298	535998	Tune-up
		Frequency(MHz)		2506.02	2549.49	2592.99	2636.49	2679.99	power(dB)
20	DFT-s-	1	1	17.60	17.67	17.72	17.70	17.75	19.00
Bandwidth (MHz)		Channel		502200	510396	518598	526794	534996	Tune-up
		Frequency(MHz)		2511	2551.98	2592.99	2633.97	2674.98	power(dB)
30	DFT-s-	1	1	17.51	17.70	17.54	17.64	17.60	19.00
Bandwidth (MHz)		Channel		503202	510900	518598	526296	534000	Tune-up
		Frequency(MHz)		2516.01	2554.5	2592.99	2631.48	2670	power(dB)
40	DFT-s-	1	1	17.51	17.53	17.59	17.67	17.57	19.00
Bandwidth (MHz)		Channel		504204	511401	518598	525795	532998	Tune-up
		Frequency(MHz)		2521.02	2557.01	2592.99	2628.98	2664.99	power(dB)
50	DFT-s-	1	1	17.53	17.66	17.54	17.67	17.58	19.00
Bandwidth (MHz)		Channel		505200	511899	518598	525297	531996	Tune-up
		Frequency(MHz)		2526	2559.5	2592.99	2626.49	2659.98	power(dB)
60	DFT-s-	1	1	17.65	17.58	17.55	17.59	17.59	19.00
Bandwidth (MHz)		Channel		507204	512901	518598	524295	529998	Tune-up
		Frequency(MHz)		2536.02	2564.51	2592.99	2621.48	2649.99	power(dB)
80	DFT-s-	1	1	17.64	17.68	17.69	17.46	17.67	19.00
Bandwidth (MHz)		Channel		508200	513399	518598	523797	528996	Tune-up
		Frequency(MHz)		2541	2567	2592.99	2618.99	2644.98	power(dB)
90	DFT-s-	1	1	17.57	17.61	17.50	17.64	17.54	19.00
Bandwidth (MHz)		Channel		509202	513900	518598	523302	528000	Tune-up
		Frequency(MHz)		2546.01	2569.5	2592.99	2616.51	2640	power(dB)
100	DFT-s-OFDM	1	1	17.65	17.56	17.61	17.53	17.66	19.00
		1	137	17.59	17.55	17.64	17.63	17.62	19.00
	BPSK	1	271	17.62	17.57	17.58	17.62	17.52	19.00
		135	0	17.71	17.59	17.58	17.54	17.72	19.00
		135	69	17.64	17.52	17.59	17.55	17.51	19.00
	BPSK	135	138	17.69	17.52	17.69	17.59	17.55	19.00
		270	0	17.74	17.52	17.63	17.51	17.59	19.00
	DFT-s-	1	1	17.78	17.65	17.63	17.65	17.60	19.00
	DFT-s-	1	1	17.69	17.61	17.60	17.56	17.68	19.00
	DFT-s-	1	1	17.64	17.64	17.57	17.50	17.55	19.00
	DFT-s-	1	1	17.75	17.56	17.57	17.62	17.64	19.00
	CP-	1	1	17.67	17.67	17.68	17.69	17.62	19.00
	CP-	1	1	17.67	17.60	17.69	17.52	17.52	19.00
	CP-	1	1	17.80	17.51	17.55	17.51	17.57	19.00
	CP-	1	1	17.77	17.67	17.60	17.69	17.67	19.00

8.5.4 NR Band77 Output Power (3700-3980MHz)

5G N77-Level 1 -Ant.8(PC2&3)							
Bandwidth (MHz)		Channel		647334	656000	664666	Tune-up power(dB)
		Frequency(MHz)		3710.01	3840	3969.99	
20	DFT-s-OFDM	1	1	15.40	15.33	15.43	16.00
Bandwidth (MHz)		Channel		647668	656000	664332	Tune-up power(dB)
		Frequency(MHz)		3715.02	3840	3964.98	
30	DFT-s-OFDM	1	1	15.60	15.34	15.37	16.00
Bandwidth (MHz)		Channel		648000	656000	664000	Tune-up power(dB)
		Frequency(MHz)		3720	3840	3960	
40	DFT-s-OFDM	1	1	15.39	15.30	15.40	16.00
Bandwidth (MHz)		Channel		648334	656000	663666	Tune-up power(dB)
		Frequency(MHz)		3725.01	3840	3954.99	
50	DFT-s-OFDM	1	1	15.30	15.35	15.37	16.00
Bandwidth (MHz)		Channel		648668	656000	663332	Tune-up power(dB)
		Frequency(MHz)		3730.02	3840	3949.98	
60	DFT-s-OFDM	1	1	15.60	15.35	15.31	16.00
Bandwidth (MHz)		Channel		649334	656000	662666	Tune-up power(dB)
		Frequency(MHz)		3740.01	3840	3939.99	
80	DFT-s-OFDM	1	1	15.37	15.39	15.31	16.00
Bandwidth (MHz)		Channel		649668	656000	662332	Tune-up power(dB)
		Frequency(MHz)		3745.02	3840	3934.98	
90	DFT-s-OFDM	1	1	15.30	15.39	15.40	16.00
Bandwidth (MHz)		Channel		650000	656000	662000	Tune-up power(dB)
		Frequency(MHz)		3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	15.49	15.52	15.46	16.00
		1	137	15.43	15.30	15.34	16.00
		1	271	15.51	15.28	15.29	16.00
	DFT-s-OFDM BPSK	135	0	15.34	15.40	15.38	16.00
		135	69	15.38	15.30	15.37	16.00
		135	138	15.31	15.18	15.38	16.00
	DFT-s-OFDM BPSK	270	0	15.33	15.66	15.34	16.00
	DFT-s-OFDM QPSK	1	1	15.39	15.42	15.34	16.00
	DFT-s-OFDM 16QAM	1	1	15.39	15.29	15.37	16.00
	DFT-s-OFDM 64QAM	1	1	15.39	15.30	15.40	16.00
	DFT-s-OFDM	1	1	15.30	15.50	15.34	16.00
	CP-OFDM QPSK	1	1	15.39	15.49	15.40	16.00
	CP-OFDM 16QAM	1	1	15.32	15.48	15.37	16.00
	CP-OFDM 64QAM	1	1	15.35	15.56	15.38	16.00
	CP-OFDM 256QAM	1	1	15.35	15.71	15.39	16.00

5G N77-Level 2 -Ant.8(PC2&3)							
Bandwidth (MHz)		Channel		647334	656000	664666	Tune-up
		Frequency(MHz)		3710.01	3840	3969.99	power(dB)
20	DFT-s-OFDM	1	1	19.53	19.74	19.48	18.00
Bandwidth (MHz)		Channel		647668	656000	664332	Tune-up
		Frequency(MHz)		3715.02	3840	3964.98	power(dB)
30	DFT-s-OFDM	1	1	19.67	19.79	19.59	18.00
Bandwidth (MHz)		Channel		648000	656000	664000	Tune-up
		Frequency(MHz)		3720	3840	3960	power(dB)
40	DFT-s-OFDM	1	1	19.57	19.76	19.52	18.00
Bandwidth (MHz)		Channel		648334	656000	663666	Tune-up
		Frequency(MHz)		3725.01	3840	3954.99	power(dB)
50	DFT-s-OFDM	1	1	19.59	19.78	19.71	18.00
Bandwidth (MHz)		Channel		648668	656000	663332	Tune-up
		Frequency(MHz)		3730.02	3840	3949.98	power(dB)
60	DFT-s-OFDM	1	1	19.52	19.78	19.68	18.00
Bandwidth (MHz)		Channel		649334	656000	662666	Tune-up
		Frequency(MHz)		3740.01	3840	3939.99	power(dB)
80	DFT-s-OFDM	1	1	19.54	19.74	19.57	18.00
Bandwidth (MHz)		Channel		649668	656000	662332	Tune-up
		Frequency(MHz)		3745.02	3840	3934.98	power(dB)
90	DFT-s-OFDM	1	1	19.55	19.80	19.68	18.00
Bandwidth (MHz)		Channel		650000	656000	662000	Tune-up
		Frequency(MHz)		3750	3840	3930	power(dB)
100	DFT-s-OFDM BPSK	1	1	17.64	17.49	17.20	18.00
		1	137	17.38	17.33	17.33	18.00
		1	271	17.50	17.33	17.45	18.00
	DFT-s-OFDM BPSK	135	0	17.60	17.43	17.35	18.00
		135	69	17.33	17.36	17.37	18.00
		135	138	17.38	17.23	17.39	18.00
	DFT-s-OFDM BPSK	270	0	17.34	17.30	17.37	18.00
	DFT-s-OFDM QPSK	1	1	17.35	17.42	17.32	18.00
	DFT-s-OFDM 16QAM	1	1	17.32	17.30	17.37	18.00
	DFT-s-OFDM 64QAM	1	1	17.38	17.33	17.37	18.00
	DFT-s-OFDM	1	1	17.36	17.56	17.33	18.00
	CP-OFDM QPSK	1	1	17.32	17.46	17.32	18.00
	CP-OFDM 16QAM	1	1	17.37	17.47	17.32	18.00
	CP-OFDM 64QAM	1	1	17.32	17.56	17.30	18.00
	CP-OFDM 256QAM	1	1	17.39	17.73	17.35	18.00

8.5.5 NR Band77 Output Power (3450-3550MHz)

5G N77-Level 1 -Ant.8(PC2&3)							
Bandwidth (MHz)		Channel		630668	633332	636000	Tune-up power(dB)
		Frequency(MHz)		3460.02	3499.99	3540	
20	DFT-s-OFDM	1	1	15.64	15.80	15.80	16.00
Bandwidth (MHz)		Channel		631000	633332	635666	Tune-up power(dB)
		Frequency(MHz)		3465	3499.99	3534.99	
30	DFT-s-OFDM	1	1	15.61	15.78	15.67	16.00
Bandwidth (MHz)		Channel		631334	633332	635332	Tune-up power(dB)
		Frequency(MHz)		3470.01	3499.99	3529.98	
40	DFT-s-OFDM	1	1	15.75	15.70	15.75	16.00
Bandwidth (MHz)		Channel		631668	633332	635000	Tune-up power(dB)
		Frequency(MHz)		3475.02	3499.99	3525	
50	DFT-s-OFDM	1	1	15.80	15.79	15.78	16.00
Bandwidth (MHz)		Channel		632000	633332	634666	Tune-up power(dB)
		Frequency(MHz)		3480	3499.99	3519.99	
60	DFT-s-OFDM	1	1	15.58	15.68	15.69	16.00
Bandwidth (MHz)		Channel		632668	633332	634000	Tune-up power(dB)
		Frequency(MHz)		3490.02	3499.99	3510	
80	DFT-s-OFDM	1	1	15.66	15.74	15.55	16.00
Bandwidth (MHz)		Channel		633000	633332	633666	Tune-up power(dB)
		Frequency(MHz)		3495	3499.99	3504.99	
90	DFT-s-OFDM	1	1	15.67	15.75	15.77	16.00
Bandwidth (MHz)		Channel		-	633332	-	Tune-up power(dB)
		Frequency(MHz)		-	3499.98	-	
100	DFT-s-OFDM BPSK	1	1	-	15.72	-	16.00
		1	137	-	15.96	-	16.00
		1	271	-	15.83	-	16.00
	DFT-s-OFDM BPSK	135	0	-	15.88	-	16.00
		135	69	-	15.69	-	16.00
		135	138	-	15.58	-	16.00
	DFT-s-OFDM BPSK	270	0	-	15.64	-	16.00
	DFT-s-OFDM QPSK	1	1	-	15.58	-	16.00
	DFT-s-OFDM 16QAM	1	1	-	15.61	-	16.00
	DFT-s-OFDM 64QAM	1	1	-	15.64	-	16.00
	DFT-s-OFDM	1	1	-	15.70	-	16.00
	CP-OFDM QPSK	1	1	-	15.79	-	16.00
	CP-OFDM 16QAM	1	1	-	15.69	-	16.00
	CP-OFDM 64QAM	1	1	-	15.66	-	16.00
	CP-OFDM 256QAM	1	1	-	15.58	-	16.00

5G N77-Level 2 -Ant.8(PC2&3)							
Bandwidth (MHz)		Channel		630668	633332	636000	Tune-up power(dB)
		Frequency(MHz)		3460.02	3499.99	3540	
20	DFT-s-OFDM	1	1	17.63	17.77	17.64	18.00
Bandwidth (MHz)		Channel		631000	633332	635666	Tune-up power(dB)
		Frequency(MHz)		3465	3499.99	3534.99	
30	DFT-s-OFDM	1	1	17.66	17.78	17.66	18.00
Bandwidth (MHz)		Channel		631334	633332	635332	Tune-up power(dB)
		Frequency(MHz)		3470.01	3499.99	3529.98	
40	DFT-s-OFDM	1	1	17.73	17.75	17.65	18.00
Bandwidth (MHz)		Channel		631668	633332	635000	Tune-up power(dB)
		Frequency(MHz)		3475.02	3499.99	3525	
50	DFT-s-OFDM	1	1	17.76	17.73	17.68	18.00
Bandwidth (MHz)		Channel		632000	633332	634666	Tune-up power(dB)
		Frequency(MHz)		3480	3499.99	3519.99	
60	DFT-s-OFDM	1	1	17.64	17.65	17.68	18.00
Bandwidth (MHz)		Channel		632668	633332	634000	Tune-up power(dB)
		Frequency(MHz)		3490.02	3499.99	3510	
80	DFT-s-OFDM	1	1	17.66	17.66	17.65	18.00
Bandwidth (MHz)		Channel		633000	633332	633666	Tune-up power(dB)
		Frequency(MHz)		3495	3499.99	3504.99	
90	DFT-s-OFDM	1	1	17.69	17.76	17.70	18.00
Bandwidth (MHz)		Channel		-	633332	-	Tune-up power(dB)
		Frequency(MHz)		-	3499.98	-	
100	DFT-s-OFDM BPSK	1	1	-	17.77	-	18.00
		1	137	-	17.68	-	18.00
		1	271	-	17.62	-	18.00
	DFT-s-OFDM BPSK	135	0	-	17.79	-	18.00
		135	69	-	17.63	-	18.00
		135	138	-	17.67	-	18.00
	DFT-s-OFDM BPSK	270	0	-	17.76	-	18.00
	DFT-s-OFDM QPSK	1	1	-	17.63	-	18.00
	DFT-s-OFDM 16QAM	1	1	-	17.64	-	18.00
	DFT-s-OFDM 64QAM	1	1	-	17.78	-	18.00
	DFT-s-OFDM	1	1	-	17.67	-	18.00
	CP-OFDM QPSK	1	1	-	17.62	-	18.00
	CP-OFDM 16QAM	1	1	-	17.69	-	18.00
	CP-OFDM 64QAM	1	1	-	17.79	-	18.00
	CP-OFDM 256QAM	1	1	-	17.65	-	18.00

8.5.6 NR Band78 Output Power (3700-3800MHz)

5G N78-Level 1 -Ant.8(PC2&3)							
Bandwidth (MHz)		Channel		647334	650000	652666	Tune-up power(dB)
		Frequency(MHz)		3710.01	3750	3789.99	
20	DFT-s-OFDM	1	1	15.47	15.38	15.54	16.00
Bandwidth (MHz)		Channel		647668	650000	652332	Tune-up power(dB)
		Frequency(MHz)		3715.02	3750	3784.98	
30	DFT-s-OFDM	1	1	15.40	15.36	15.58	16.00
Bandwidth (MHz)		Channel		648000	650000	652000	Tune-up power(dB)
		Frequency(MHz)		3720	3750	3780	
40	DFT-s-OFDM	1	1	15.33	15.41	15.32	16.00
Bandwidth (MHz)		Channel		648334	650000	651666	Tune-up power(dB)
		Frequency(MHz)		3725.01	3750	3774.99	
50	DFT-s-OFDM	1	1	15.50	15.30	15.46	16.00
Bandwidth (MHz)		Channel		648668	650000	651332	Tune-up power(dB)
		Frequency(MHz)		3730.02	3750	3769.98	
60	DFT-s-OFDM	1	1	15.51	15.54	15.46	16.00
Bandwidth (MHz)		Channel		649334	650000	650666	Tune-up power(dB)
		Frequency(MHz)		3740.01	3750	3759.99	
80	DFT-s-OFDM	1	1	15.47	15.33	15.31	16.00
Bandwidth (MHz)		Channel		649668	650000	650332	Tune-up power(dB)
		Frequency(MHz)		3745.02	3750	3754.98	
90	DFT-s-OFDM	1	1	15.49	15.35	15.56	16.00
Bandwidth (MHz)		Channel		-	650000	-	Tune-up power(dB)
		Frequency(MHz)		-	3750	-	
100	DFT-s-OFDM BPSK	1	1	-	15.26	-	16.00
		1	137	-	15.44	-	16.00
		1	271	-	15.53	-	16.00
	DFT-s-OFDM BPSK	135	0	-	15.37	-	16.00
		135	69	-	15.41	-	16.00
		135	138	-	15.59	-	16.00
	DFT-s-OFDM BPSK	270	0	-	15.24	-	16.00
	DFT-s-OFDM QPSK	1	1	-	15.23	-	16.00
	DFT-s-OFDM 16QAM	1	1	-	15.67	-	16.00
	DFT-s-OFDM 64QAM	1	1	-	15.27	-	16.00
	DFT-s-OFDM	1	1	-	15.43	-	16.00
	CP-OFDM QPSK	1	1	-	15.20	-	16.00
	CP-OFDM 16QAM	1	1	-	15.45	-	16.00
	CP-OFDM 64QAM	1	1	-	15.29	-	16.00
	CP-OFDM 256QAM	1	1	-	15.48	-	16.00

5G N78-Level 1 -Ant.8(PC2&3)-NSA							
Bandwidth (MHz)		Channel		647334	650000	652666	Tune-up power(dB)
		Frequency(MHz)		3710.01	3750	3789.99	
20	DFT-s-OFDM	1	1	14.34	14.41	14.31	15.00
Bandwidth (MHz)		Channel		647668	650000	652332	Tune-up power(dB)
		Frequency(MHz)		3715.02	3750	3784.98	
30	DFT-s-OFDM	1	1	14.34	14.31	14.32	15.00
Bandwidth (MHz)		Channel		648000	650000	652000	Tune-up power(dB)
		Frequency(MHz)		3720	3750	3780	
40	DFT-s-OFDM	1	1	14.37	14.37	14.50	15.00
Bandwidth (MHz)		Channel		648334	650000	651666	Tune-up power(dB)
		Frequency(MHz)		3725.01	3750	3774.99	
50	DFT-s-OFDM	1	1	14.44	14.42	14.30	15.00
Bandwidth (MHz)		Channel		648668	650000	651332	Tune-up power(dB)
		Frequency(MHz)		3730.02	3750	3769.98	
60	DFT-s-OFDM	1	1	14.33	14.49	14.38	15.00
Bandwidth (MHz)		Channel		649334	650000	650666	Tune-up power(dB)
		Frequency(MHz)		3740.01	3750	3759.99	
80	DFT-s-OFDM	1	1	14.34	14.38	14.45	15.00
Bandwidth (MHz)		Channel		649668	650000	650332	Tune-up power(dB)
		Frequency(MHz)		3745.02	3750	3754.98	
90	DFT-s-OFDM	1	1	14.45	14.49	14.42	15.00
Bandwidth (MHz)		Channel		-	650000	-	Tune-up power(dB)
		Frequency(MHz)		-	3750	-	
100	DFT-s-OFDM BPSK	1	1	-	14.42	-	15.00
		1	137	-	14.35	-	15.00
		1	271	-	14.39	-	15.00
	DFT-s-OFDM BPSK	135	0	-	14.45	-	15.00
		135	69	-	15.54	-	15.00
		135	138	-	14.41	-	15.00
	DFT-s-OFDM BPSK	270	0	-	14.31	-	15.00
	DFT-s-OFDM QPSK	1	1	-	14.35	-	15.00
	DFT-s-OFDM 16QAM	1	1	-	14.32	-	15.00
	DFT-s-OFDM 64QAM	1	1	-	14.48	-	15.00
	DFT-s-OFDM	1	1	-	14.47	-	15.00
	CP-OFDM QPSK	1	1	-	14.49	-	15.00
	CP-OFDM 16QAM	1	1	-	14.50	-	15.00
	CP-OFDM 64QAM	1	1	-	14.37	-	15.00
	CP-OFDM 256QAM	1	1	-	14.35	-	15.00

5G N78-Level 2 -Ant.8(PC2&3)							
Bandwidth (MHz)		Channel		647334	650000	652666	Tune-up
		Frequency(MHz)		3710.01	3750	3789.99	power(dB)
20	DFT-s-OFDM	1	1	17.89	17.82	17.90	18.00
Bandwidth (MHz)		Channel		647668	650000	652332	Tune-up
		Frequency(MHz)		3715.02	3750	3784.98	power(dB)
30	DFT-s-OFDM	1	1	17.86	17.88	17.80	18.00
Bandwidth (MHz)		Channel		648000	650000	652000	Tune-up
		Frequency(MHz)		3720	3750	3780	power(dB)
40	DFT-s-OFDM	1	1	17.81	17.87	17.87	18.00
Bandwidth (MHz)		Channel		648334	650000	651666	Tune-up
		Frequency(MHz)		3725.01	3750	3774.99	power(dB)
50	DFT-s-OFDM	1	1	17.83	17.85	17.88	18.00
Bandwidth (MHz)		Channel		648668	650000	651332	Tune-up
		Frequency(MHz)		3730.02	3750	3769.98	power(dB)
60	DFT-s-OFDM	1	1	17.82	17.88	17.78	18.00
Bandwidth (MHz)		Channel		649334	650000	650666	Tune-up
		Frequency(MHz)		3740.01	3750	3759.99	power(dB)
80	DFT-s-OFDM	1	1	17.89	17.91	17.79	18.00
Bandwidth (MHz)		Channel		649668	650000	650332	Tune-up
		Frequency(MHz)		3745.02	3750	3754.98	power(dB)
90	DFT-s-OFDM	1	1	17.76	17.84	17.89	18.00
Bandwidth (MHz)		Channel		-	650000	-	Tune-up
		Frequency(MHz)		-	3750	-	power(dB)
100	DFT-s-OFDM BPSK	1	1	-	17.90	-	18.00
		1	137	-	17.85	-	18.00
		1	271	-	17.86	-	18.00
	DFT-s-OFDM BPSK	135	0	-	17.92	-	18.00
		135	69	-	17.89	-	18.00
		135	138	-	17.83	-	18.00
	DFT-s-OFDM BPSK	270	0	-	17.90	-	18.00
	DFT-s-OFDM QPSK	1	1	-	17.73	-	18.00
	DFT-s-OFDM 16QAM	1	1	-	17.78	-	18.00
	DFT-s-OFDM 64QAM	1	1	-	17.74	-	18.00
	DFT-s-OFDM	1	1	-	17.85	-	18.00
	CP-OFDM QPSK	1	1	-	17.69	-	18.00
	CP-OFDM 16QAM	1	1	-	17.92	-	18.00
	CP-OFDM 64QAM	1	1	-	17.75	-	18.00
	CP-OFDM 256QAM	1	1	-	17.96	-	18.00

8.5.7 NR Band78 Output Power (3450-3550MHz)

5G N78-Level 1 -Ant.8(PC2&3)							
Bandwidth (MHz)		Channel		630668	633332	636000	Tune-up power(dB)
		Frequency(MHz)		3460.02	3499.99	3540	
20	DFT-s-OFDM	1	1	15.42	15.43	15.53	16.00
Bandwidth (MHz)		Channel		631000	633332	635666	Tune-up power(dB)
		Frequency(MHz)		3465	3499.99	3534.99	
30	DFT-s-OFDM	1	1	15.45	15.41	15.40	16.00
Bandwidth (MHz)		Channel		631334	633332	635332	Tune-up power(dB)
		Frequency(MHz)		3470.01	3499.99	3529.98	
40	DFT-s-OFDM	1	1	15.54	15.48	15.59	16.00
Bandwidth (MHz)		Channel		631668	633332	635000	Tune-up power(dB)
		Frequency(MHz)		3475.02	3499.99	3525	
50	DFT-s-OFDM	1	1	15.40	15.60	15.53	16.00
Bandwidth (MHz)		Channel		632000	633332	634666	Tune-up power(dB)
		Frequency(MHz)		3480	3499.99	3519.99	
60	DFT-s-OFDM	1	1	15.56	15.44	15.46	16.00
Bandwidth (MHz)		Channel		632668	633332	634000	Tune-up power(dB)
		Frequency(MHz)		3490.02	3499.99	3510	
80	DFT-s-OFDM	1	1	15.46	15.51	15.57	16.00
Bandwidth (MHz)		Channel		633000	633332	633666	Tune-up power(dB)
		Frequency(MHz)		3495	3499.99	3504.99	
90	DFT-s-OFDM	1	1	15.54	15.51	15.43	16.00
Bandwidth (MHz)		Channel		-	633332	-	Tune-up power(dB)
		Frequency(MHz)		-	3499.99	-	
100	DFT-s-OFDM BPSK	1	1	-	15.49	-	16.00
		1	137	-	15.62	-	16.00
		1	271	-	15.52	-	16.00
	DFT-s-OFDM BPSK	135	0	-	15.57	-	16.00
		135	69	-	15.54	-	16.00
		135	138	-	15.66	-	16.00
	DFT-s-OFDM BPSK	270	0	-	15.53	-	16.00
	DFT-s-OFDM QPSK	1	1	-	15.59	-	16.00
	DFT-s-OFDM 16QAM	1	1	-	15.60	-	16.00
	DFT-s-OFDM 64QAM	1	1	-	15.49	-	16.00
	DFT-s-OFDM	1	1	-	15.52	-	16.00
	CP-OFDM QPSK	1	1	-	15.56	-	16.00
	CP-OFDM 16QAM	1	1	-	15.46	-	16.00
	CP-OFDM 64QAM	1	1	-	15.42	-	16.00
	CP-OFDM 256QAM	1	1	-	15.42	-	16.00

5G N78-Level 1 -Ant.8(PC2&3)-NSA							
Bandwidth (MHz)		Channel		630668	633332	636000	Tune-up power(dB)
		Frequency(MHz)		3460.02	3499.99	3540	
20	DFT-s-OFDM	1	1	14.60	15.58	14.54	15.00
Bandwidth (MHz)		Channel		631000	633332	635666	Tune-up power(dB)
		Frequency(MHz)		3465	3499.99	3534.99	
30	DFT-s-OFDM	1	1	14.52	14.53	15.48	15.00
Bandwidth (MHz)		Channel		631334	633332	635332	Tune-up power(dB)
		Frequency(MHz)		3470.01	3499.99	3529.98	
40	DFT-s-OFDM	1	1	14.41	14.57	14.48	15.00
Bandwidth (MHz)		Channel		631668	633332	635000	Tune-up power(dB)
		Frequency(MHz)		3475.02	3499.99	3525	
50	DFT-s-OFDM	1	1	14.42	14.44	14.45	15.00
Bandwidth (MHz)		Channel		632000	633332	634666	Tune-up power(dB)
		Frequency(MHz)		3480	3499.99	3519.99	
60	DFT-s-OFDM	1	1	14.60	14.45	14.41	15.00
Bandwidth (MHz)		Channel		632668	633332	634000	Tune-up power(dB)
		Frequency(MHz)		3490.02	3499.99	3510	
80	DFT-s-OFDM	1	1	14.58	14.56	14.44	15.00
Bandwidth (MHz)		Channel		633000	633332	633666	Tune-up power(dB)
		Frequency(MHz)		3495	3499.99	3504.99	
90	DFT-s-OFDM	1	1	14.46	14.51	14.47	15.00
Bandwidth (MHz)		Channel		-	633332	-	Tune-up power(dB)
		Frequency(MHz)		-	3499.99	-	
100	DFT-s-OFDM BPSK	1	1	-	14.55	-	15.00
		1	137	-	14.67	-	15.00
		1	271	-	14.52	-	15.00
	DFT-s-OFDM BPSK	135	0	-	14.65	-	15.00
		135	69	-	14.51	-	15.00
		135	138	-	14.50	-	15.00
	DFT-s-OFDM BPSK	270	0	-	14.60	-	15.00
	DFT-s-OFDM QPSK	1	1	-	14.53	-	15.00
	DFT-s-OFDM 16QAM	1	1	-	14.50	-	15.00
	DFT-s-OFDM 64QAM	1	1	-	14.52	-	15.00
	DFT-s-OFDM	1	1	-	14.51	-	15.00
	CP-OFDM QPSK	1	1	-	14.60	-	15.00
	CP-OFDM 16QAM	1	1	-	14.51	-	15.00
	CP-OFDM 64QAM	1	1	-	14.56	-	15.00
	CP-OFDM 256QAM	1	1	-	14.52	-	15.00

5G N78-Level 2 -Ant.8(PC2&3)							
Bandwidth (MHz)		Channel		630668	633332	636000	Tune-up power(dB)
		Frequency(MHz)		3460.02	3499.99	3540	
20	DFT-s-OFDM	1	1	17.67	17.72	17.64	18.00
Bandwidth (MHz)		Channel		631000	633332	635666	Tune-up power(dB)
		Frequency(MHz)		3465	3499.99	3534.99	
30	DFT-s-OFDM	1	1	17.58	17.79	17.75	18.00
Bandwidth (MHz)		Channel		631334	633332	635332	Tune-up power(dB)
		Frequency(MHz)		3470.01	3499.99	3529.98	
40	DFT-s-OFDM	1	1	17.59	17.63	17.77	18.00
Bandwidth (MHz)		Channel		631668	633332	635000	Tune-up power(dB)
		Frequency(MHz)		3475.02	3499.99	3525	
50	DFT-s-OFDM	1	1	17.74	17.72	17.79	18.00
Bandwidth (MHz)		Channel		632000	633332	634666	Tune-up power(dB)
		Frequency(MHz)		3480	3499.99	3519.99	
60	DFT-s-OFDM	1	1	17.82	17.86	17.79	18.00
Bandwidth (MHz)		Channel		632668	633332	634000	Tune-up power(dB)
		Frequency(MHz)		3490.02	3499.99	3510	
80	DFT-s-OFDM	1	1	17.83	17.87	17.77	18.00
Bandwidth (MHz)		Channel		633000	633332	633666	Tune-up power(dB)
		Frequency(MHz)		3495	3499.99	3504.99	
90	DFT-s-OFDM	1	1	17.75	17.73	17.81	18.00
Bandwidth (MHz)		Channel		-	633332	-	Tune-up power(dB)
		Frequency(MHz)		-	3499.99	-	
100	DFT-s-OFDM BPSK	1	1	-	17.83	-	18.00
		1	137	-	17.86	-	18.00
		1	271	-	17.77	-	18.00
	DFT-s-OFDM BPSK	135	0	-	17.84	-	18.00
		135	69	-	17.71	-	18.00
		135	138	-	17.66	-	18.00
	DFT-s-OFDM BPSK	270	0	-	17.40	-	18.00
	DFT-s-OFDM QPSK	1	1	-	17.68	-	18.00
	DFT-s-OFDM 16QAM	1	1	-	17.68	-	18.00
	DFT-s-OFDM 64QAM	1	1	-	17.98	-	18.00
	DFT-s-OFDM	1	1	-	17.58	-	18.00
	CP-OFDM QPSK	1	1	-	17.97	-	18.00
	CP-OFDM 16QAM	1	1	-	17.70	-	18.00
	CP-OFDM 64QAM	1	1	-	17.69	-	18.00
	CP-OFDM 256QAM	1	1	-	17.59	-	18.00