

8 CONDUCTED RF OUTPUT POWER

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8.1 GSM Output Power

GSM-state17-Ant.1								
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.72	32.75	32.79	32.80	23.53	23.56	23.60	23.61
GPRS (GMSK, 1-Slot)	32.36	32.08	32.38	32.80	23.17	22.89	23.19	23.61
GPRS (GMSK, 2-Slots)	30.27	30.23	30.13	30.30	24.14	24.10	24.00	24.17
GPRS (GMSK, 3-Slots)	28.12	27.76	28.13	28.30	23.70	23.34	23.71	23.88
GPRS (GMSK, 4-Slots)	27.31	27.54	27.19	27.80	24.13	24.36	24.01	24.62
EGPRS (8PSK, 1-Slot)	27.02	26.72	26.79	27.30	17.83	17.53	17.60	18.11
EGPRS (8PSK, 2-Slots)	25.24	25.18	25.08	25.30	19.11	19.05	18.95	19.17
EGPRS (8PSK, 3-Slots)	23.27	23.14	23.26	23.30	18.85	18.72	18.84	18.88
EGPRS (8PSK, 4-Slots)	22.24	22.10	22.21	22.80	19.06	18.92	19.03	19.62
GSM-state17-Ant.2								
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	29.36	29.62	29.59	29.70	20.17	20.43	20.40	20.51
GPRS (GMSK, 1-Slot)	29.33	29.57	29.56	29.70	20.14	20.38	20.37	20.51
GPRS (GMSK, 2-Slots)	26.46	26.55	26.57	27.20	20.33	20.42	20.44	21.07
GPRS (GMSK, 3-Slots)	24.58	24.82	24.73	25.20	20.16	20.40	20.31	20.78
GPRS (GMSK, 4-Slots)	23.61	23.59	23.62	24.70	20.43	20.41	20.44	21.52
EGPRS (8PSK, 1-Slot)	27.02	26.72	26.79	27.20	17.83	17.53	17.60	18.01
EGPRS (8PSK, 2-Slots)	25.14	25.18	25.08	25.20	19.01	19.05	18.95	19.07
EGPRS (8PSK, 3-Slots)	23.36	23.41	23.26	23.70	18.94	18.99	18.84	19.28
EGPRS (8PSK, 4-Slots)	22.24	22.10	22.21	22.70	19.06	18.92	19.03	19.52

GSM-state18-Ant.1								
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	27.73	27.47	27.24	27.80	18.54	18.28	18.05	18.61
GPRS (GMSK, 1-Slot)	27.71	27.43	27.77	27.80	18.52	18.24	18.58	18.61
GPRS (GMSK, 2-Slots)	25.17	25.18	24.92	25.30	19.04	19.05	18.79	21.67
GPRS (GMSK, 3-Slots)	23.62	23.63	23.38	23.80	19.20	19.21	18.96	23.38
GPRS (GMSK, 4-Slots)	22.74	23.08	22.91	23.20	19.56	19.90	19.73	24.62
EGPRS (8PSK, 1-Slot)	26.99	26.86	26.78	27.30	17.80	17.67	17.59	18.11
EGPRS (8PSK, 2-Slots)	25.25	25.11	25.07	25.30	19.12	18.98	18.94	19.17
EGPRS (8PSK, 3-Slots)	23.28	23.21	23.25	23.30	18.86	18.79	18.83	18.88
EGPRS (8PSK, 4-Slots)	22.27	22.24	22.18	22.80	19.09	19.06	19.00	19.62
GSM-state18-Ant.2								
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	27.16	27.12	27.14	27.20	17.97	17.93	17.95	20.51
GPRS (GMSK, 1-Slot)	27.13	27.17	27.16	27.20	17.94	17.98	17.97	20.51
GPRS (GMSK, 2-Slots)	23.89	24.00	24.01	24.70	17.76	17.87	17.88	21.07
GPRS (GMSK, 3-Slots)	22.00	22.09	22.09	22.70	17.58	17.67	17.67	20.78
GPRS (GMSK, 4-Slots)	21.17	21.24	21.33	22.20	17.99	18.06	18.15	21.52
EGPRS (8PSK, 1-Slot)	24.22	24.29	24.70	24.70	15.03	15.10	15.51	18.01
EGPRS (8PSK, 2-Slots)	22.68	22.58	22.70	22.70	16.55	16.45	16.57	19.07
EGPRS (8PSK, 3-Slots)	20.91	20.76	21.20	21.20	16.49	16.34	16.78	19.28
EGPRS (8PSK, 4-Slots)	19.60	19.71	20.20	20.20	16.42	16.53	17.02	19.52

GSM-state17-Ant.0								
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.49	32.67	32.72	32.80	23.30	23.48	23.53	23.61
GPRS (GMSK, 1-Slot)	32.54	32.64	32.79	32.80	23.35	23.45	23.60	23.61
GPRS (GMSK, 2-Slots)	30.21	30.27	30.00	30.30	24.08	24.14	23.87	24.17
GPRS (GMSK, 3-Slots)	28.00	27.66	28.27	28.30	23.58	23.24	23.85	23.88
GPRS (GMSK, 4-Slots)	27.50	27.15	26.92	27.80	24.32	23.97	23.74	24.62
EGPRS (8PSK, 1-Slot)	26.58	26.75	26.56	27.30	17.39	17.56	17.37	18.11
EGPRS (8PSK, 2-Slots)	25.04	24.84	24.87	25.30	18.91	18.71	18.74	19.17
EGPRS (8PSK, 3-Slots)	23.17	23.20	23.06	23.30	18.75	18.78	18.64	18.88
EGPRS (8PSK, 4-Slots)	22.13	21.89	22.14	22.80	18.95	18.71	18.96	19.62

GSM-state17-Ant.0								
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	28.60	28.67	28.65	28.70	19.41	19.48	19.46	19.51
GPRS (GMSK, 1-Slot)	28.58	28.65	28.69	28.70	19.39	19.46	19.50	19.51
GPRS (GMSK, 2-Slots)	25.01	25.11	25.11	25.20	18.88	18.98	18.98	19.07
GPRS (GMSK, 3-Slots)	23.53	23.62	23.63	23.70	19.11	19.20	19.21	19.28
GPRS (GMSK, 4-Slots)	22.01	22.10	22.11	22.20	18.83	18.92	18.93	19.02
EGPRS (8PSK, 1-Slot)	25.70	25.72	25.77	27.20	16.51	16.53	16.58	18.01
EGPRS (8PSK, 2-Slots)	22.92	23.06	22.91	24.20	16.79	16.93	16.78	18.07
EGPRS (8PSK, 3-Slots)	21.30	21.35	21.28	22.80	16.88	16.93	16.86	18.38
EGPRS (8PSK, 4-Slots)	20.56	20.66	20.63	22.20	17.38	17.48	17.45	19.02

GSM-state18-Ant.0								
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.49	32.67	32.72	32.80	23.30	23.48	23.53	23.61
GPRS (GMSK, 1-Slot)	32.54	32.64	32.79	32.80	23.35	23.45	23.60	23.61
GPRS (GMSK, 2-Slots)	30.21	30.27	30.00	30.30	24.08	24.14	23.87	24.17
GPRS (GMSK, 3-Slots)	28.00	27.66	28.27	28.30	23.58	23.24	23.85	23.88
GPRS (GMSK, 4-Slots)	27.50	27.15	26.92	27.80	24.32	23.97	23.74	24.62
EGPRS (8PSK, 1-Slot)	26.58	26.75	26.56	27.30	17.39	17.56	17.37	18.11
EGPRS (8PSK, 2-Slots)	25.04	24.84	24.87	25.30	18.91	18.71	18.74	19.17
EGPRS (8PSK, 3-Slots)	23.17	23.20	23.06	23.30	18.75	18.78	18.64	18.88
EGPRS (8PSK, 4-Slots)	22.13	21.89	22.14	22.80	18.95	18.71	18.96	19.62

GSM-state18-Ant.0								
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	29.43	29.46	29.61	29.70	20.24	20.27	20.42	20.51
GPRS (GMSK, 1-Slot)	29.46	29.48	29.62	29.70	20.27	20.29	20.43	20.51
GPRS (GMSK, 2-Slots)	26.18	26.05	26.14	26.20	20.05	19.92	20.01	20.07
GPRS (GMSK, 3-Slots)	24.34	24.57	24.63	24.70	19.92	20.15	20.21	20.28
GPRS (GMSK, 4-Slots)	23.18	23.08	23.11	23.20	20.00	19.90	19.93	20.02
EGPRS (8PSK, 1-Slot)	25.62	25.64	25.72	27.20	16.43	16.45	16.53	18.01
EGPRS (8PSK, 2-Slots)	22.69	22.79	22.76	24.20	16.56	16.66	16.63	18.07
EGPRS (8PSK, 3-Slots)	21.18	21.15	21.19	22.80	16.76	16.73	16.77	18.38
EGPRS (8PSK, 4-Slots)	20.39	20.44	20.42	22.20	17.21	17.26	17.24	19.02

8.2 WCDMA Output Power

WCDMA-State 17-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	21.20	21.23	21.27	21.70
HSDPA Subtest-1	20.35	20.25	20.35	20.70
HSDPA Subtest-2	20.13	20.25	20.37	20.70
HSDPA Subtest-3	19.80	19.75	19.75	20.20
HSDPA Subtest-4	19.90	19.76	19.76	20.20
HSUPA Subtest-1	20.31	20.26	20.39	20.70
HSUPA Subtest-2	18.38	18.28	18.41	18.70
HSUPA Subtest-3	19.24	19.21	19.22	19.70
HSUPA Subtest-4	18.31	18.30	18.39	18.70
HSUPA Subtest-5	20.13	20.26	20.27	20.70
WCDMA-State 17-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	23.74	23.72	23.68	24.10
HSDPA Subtest-1	22.64	22.79	22.76	23.10
HSDPA Subtest-2	22.95	22.81	22.78	23.10
HSDPA Subtest-3	22.19	22.29	22.42	22.60
HSDPA Subtest-4	22.14	22.26	22.35	22.60
HSUPA Subtest-1	22.76	22.76	22.65	23.10
HSUPA Subtest-2	20.71	20.82	20.92	21.10
HSUPA Subtest-3	21.82	21.80	21.79	22.10
HSUPA Subtest-4	20.78	20.83	20.94	21.10
HSUPA Subtest-5	22.71	22.79	22.94	23.10

WCDMA-State 18-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	19.70	19.70	19.77	20.20
HSDPA Subtest-1	18.64	18.71	18.85	19.20
HSDPA Subtest-2	18.81	18.75	18.76	19.20
HSDPA Subtest-3	18.18	18.24	18.38	18.70
HSDPA Subtest-4	18.21	18.26	18.11	18.70
HSUPA Subtest-1	18.75	18.75	18.69	19.20
HSUPA Subtest-2	16.62	16.71	16.74	17.20
HSUPA Subtest-3	17.65	17.69	17.80	18.20
HSUPA Subtest-4	16.61	16.71	16.67	17.20
HSUPA Subtest-5	18.85	18.84	18.71	19.20
WCDMA-State 18-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	20.27	20.22	20.16	20.60
HSDPA Subtest-1	19.16	19.23	19.29	19.60
HSDPA Subtest-2	19.24	19.28	19.36	19.60
HSDPA Subtest-3	18.86	18.73	18.64	19.10
HSDPA Subtest-4	18.81	18.75	18.90	19.10
HSUPA Subtest-1	19.14	19.27	19.26	19.60
HSUPA Subtest-2	17.38	17.30	17.16	17.60
HSUPA Subtest-3	18.16	18.31	18.19	18.60
HSUPA Subtest-4	17.33	17.21	17.12	17.60
HSUPA Subtest-5	19.28	19.33	19.26	19.60

WCDMA-State 17-Ant.0				
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	21.10	21.18	21.24	21.70
HSDPA Subtest-1	20.24	20.18	20.03	20.70
HSDPA Subtest-2	20.12	20.18	20.13	20.70
HSDPA Subtest-3	19.82	19.68	19.59	20.20
HSDPA Subtest-4	19.80	19.66	19.64	20.20
HSUPA Subtest-1	20.20	20.12	20.06	20.70
HSUPA Subtest-2	18.20	18.15	18.19	18.70
HSUPA Subtest-3	19.25	19.17	19.26	19.70
HSUPA Subtest-4	18.03	18.12	18.00	18.70
HSUPA Subtest-5	20.13	20.10	19.99	20.70
WCDMA-State 17-Ant.0				
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	23.86	23.89	23.84	24.60
HSDPA Subtest-1	22.92	22.91	23.03	23.60
HSDPA Subtest-2	23.10	22.96	22.86	23.60
HSDPA Subtest-3	22.31	22.46	22.45	23.10
HSDPA Subtest-4	22.48	22.44	22.54	23.10
HSUPA Subtest-1	22.89	22.96	22.88	23.60
HSUPA Subtest-2	20.84	20.94	21.08	21.60
HSUPA Subtest-3	21.83	21.95	21.98	22.60
HSUPA Subtest-4	20.93	20.98	21.10	21.60
HSUPA Subtest-5	23.01	22.90	23.05	23.60

WCDMA-State 18-Ant.0				
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	23.52	23.59	23.70	24.20
HSDPA Subtest-1	22.66	22.68	22.72	23.20
HSDPA Subtest-2	22.63	22.67	22.63	23.20
HSDPA Subtest-3	22.24	22.19	22.05	22.70
HSDPA Subtest-4	22.13	22.17	22.16	22.70
HSUPA Subtest-1	22.84	22.71	22.56	23.20
HSUPA Subtest-2	20.46	20.58	20.43	20.70
HSUPA Subtest-3	21.52	21.63	21.56	21.70
HSUPA Subtest-4	20.61	20.66	20.63	20.70
HSUPA Subtest-5	22.65	22.63	22.78	23.20
WCDMA-State 18-Ant.0				
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	23.86	23.89	23.84	24.60
HSDPA Subtest-1	23.03	22.91	23.06	23.60
HSDPA Subtest-2	23.03	22.96	23.02	23.60
HSDPA Subtest-3	22.57	22.46	22.37	23.10
HSDPA Subtest-4	22.40	22.44	22.34	23.10
HSUPA Subtest-1	23.05	22.96	22.91	23.60
HSUPA Subtest-2	21.06	20.94	21.04	21.60
HSUPA Subtest-3	21.85	21.95	21.87	22.60
HSUPA Subtest-4	21.03	20.98	20.91	21.60
HSUPA Subtest-5	23.02	22.90	22.80	23.60

8.3 LTE Output Power

8.3.1 LTE Band4 Output Power

LTE B4-State 17 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.01	20.79	20.75	22.00	
		MID	QPSK	20.94	20.97	21.04	22.00	
		HIGH	QPSK	21.24	21.25	21.06	22.00	
	3	LOW	QPSK	21.04	20.79	20.98	22.00	
		MID	QPSK	21.17	21.02	21.39	22.00	
		HIGH	QPSK	20.88	21.11	21.47	22.00	
	6	LOW	QPSK	21.15	21.01	21.31	22.00	
	1.4	1	LOW	Q16	21.00	20.98	21.25	22.00
			MID	Q16	21.37	21.17	21.31	22.00
HIGH			Q16	21.45	21.51	21.28	22.00	
3		LOW	Q16	21.02	20.95	21.29	22.00	
		MID	Q16	21.16	21.17	21.08	22.00	
		HIGH	Q16	21.17	21.06	21.04	22.00	
6		LOW	Q16	21.13	20.95	21.03	22.00	
1.4		1	LOW	64QAM	21.05	21.29	21.23	22.00
			MID	64QAM	20.88	21.11	21.16	22.00
	HIGH		64QAM	21.60	21.34	21.05	22.00	
	3	LOW	64QAM	21.06	21.22	21.08	22.00	
		MID	64QAM	20.92	20.95	20.68	22.00	
		HIGH	64QAM	20.94	21.14	20.90	22.00	
	6	LOW	64QAM	20.68	20.92	20.96	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	21.01	20.89	20.75	22.00
MID			QPSK	21.06	20.88	20.95	22.00	
HIGH			QPSK	21.35	21.17	21.02	22.00	
8		LOW	QPSK	21.07	21.02	20.96	22.00	
		MID	QPSK	21.07	21.02	21.17	22.00	
		HIGH	QPSK	21.05	21.17	21.40	22.00	
15		LOW	QPSK	21.00	20.93	21.13	22.00	
3		1	LOW	Q16	20.98	21.04	21.18	22.00
			MID	Q16	21.17	20.98	21.35	22.00
	HIGH		Q16	21.50	21.42	21.21	22.00	
	8	LOW	Q16	20.94	21.16	21.29	22.00	
		MID	Q16	21.16	21.04	20.85	22.00	
		HIGH	Q16	20.90	21.11	21.00	22.00	
	15	LOW	Q16	21.41	21.10	21.18	22.00	
	3	1	LOW	64QAM	20.92	21.12	21.14	22.00
			MID	64QAM	21.15	21.19	21.18	22.00
HIGH			64QAM	21.34	21.49	21.24	22.00	
8		LOW	64QAM	20.41	20.59	20.80	21.50	
		MID	64QAM	20.46	20.74	20.65	21.50	
		HIGH	64QAM	20.81	20.46	20.49	21.50	
15		LOW	64QAM	20.66	20.76	20.92	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)	
5	1	LOW	QPSK	20.76	20.81	20.79	22.00	
		MID	QPSK	20.96	21.01	21.06	22.00	
		HIGH	QPSK	21.20	21.15	21.09	22.00	
	12	LOW	QPSK	21.09	20.94	21.11	22.00	
		MID	QPSK	20.98	20.81	21.28	22.00	
		HIGH	QPSK	20.88	21.28	21.32	22.00	
	25	LOW	QPSK	20.92	20.95	21.28	22.00	
	5	1	LOW	Q16	20.96	21.15	21.10	22.00
			MID	Q16	21.37	21.15	21.44	22.00
HIGH			Q16	21.65	21.31	21.45	22.00	
12		LOW	Q16	21.08	20.95	21.38	22.00	
		MID	Q16	21.20	20.98	21.02	22.00	
		HIGH	Q16	21.05	21.11	21.13	22.00	
25		LOW	Q16	21.17	21.16	21.05	22.00	
5		1	LOW	64QAM	20.92	21.29	21.17	22.00
			MID	64QAM	21.03	21.07	21.22	22.00
	HIGH		64QAM	21.47	21.29	21.22	22.00	
	12	LOW	64QAM	20.47	20.75	20.91	21.50	
		MID	64QAM	20.52	20.78	20.40	21.50	
		HIGH	64QAM	20.81	20.59	20.62	21.50	
	25	LOW	64QAM	20.66	20.76	20.90	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
	10	1	LOW	QPSK	20.72	20.91	21.02	22.00
MID			QPSK	20.81	21.14	20.97	22.00	
HIGH			QPSK	21.37	21.30	20.94	22.00	
25		LOW	QPSK	21.07	20.88	20.98	22.00	
		MID	QPSK	21.05	20.98	21.11	22.00	
		HIGH	QPSK	21.11	21.20	21.23	22.00	
50	LOW	QPSK	21.07	20.78	21.26	22.00		
10	1	LOW	Q16	21.11	21.25	21.17	22.00	
		MID	Q16	21.22	21.21	21.28	22.00	
		HIGH	Q16	21.47	21.23	21.11	22.00	
	25	LOW	Q16	21.06	21.08	21.36	22.00	
		MID	Q16	21.12	21.12	21.12	22.00	
		HIGH	Q16	20.94	20.98	21.02	22.00	
50	LOW	Q16	21.19	20.99	21.26	22.00		
10	1	LOW	64QAM	21.17	21.18	21.27	22.00	
		MID	64QAM	21.09	20.94	21.07	22.00	
		HIGH	64QAM	21.69	21.44	21.11	22.00	
	25	LOW	64QAM	20.55	20.57	20.78	21.50	
		MID	64QAM	20.56	20.53	20.71	21.50	
		HIGH	64QAM	20.58	20.71	20.74	21.50	
	50	LOW	64QAM	20.93	20.61	20.94	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)	
15	1	LOW	QPSK	20.85	21.10	21.02	22.00	
		MID	QPSK	20.87	20.92	20.95	22.00	
		HIGH	QPSK	21.24	21.23	21.11	22.00	
	36	LOW	QPSK	21.11	20.84	21.03	22.00	
		MID	QPSK	21.03	20.90	21.09	22.00	
		HIGH	QPSK	20.84	21.30	21.14	22.00	
	75	LOW	QPSK	20.88	20.95	21.22	22.00	
	15	1	LOW	Q16	21.07	21.17	21.40	22.00
			MID	Q16	21.07	21.19	21.26	22.00
HIGH			Q16	21.62	21.46	21.36	22.00	
36		LOW	Q16	20.88	21.02	21.25	22.00	
		MID	Q16	21.16	21.12	20.93	22.00	
		HIGH	Q16	20.88	21.00	21.26	22.00	
75		LOW	Q16	21.28	21.16	21.05	22.00	
15		1	LOW	64QAM	21.03	21.23	21.31	22.00
			MID	64QAM	21.09	21.26	21.22	22.00
	HIGH		64QAM	21.54	21.42	21.30	22.00	
	36	LOW	64QAM	20.24	20.61	20.89	21.50	
		MID	64QAM	20.58	20.51	20.42	21.50	
		HIGH	64QAM	20.87	20.67	20.45	21.50	
	75	LOW	64QAM	20.66	20.80	20.94	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
	20	1	LOW	QPSK	20.98	21.02	20.91	22.00
MID			QPSK	21.12	21.03	21.02	22.00	
HIGH			QPSK	21.17	21.19	21.33	22.00	
50		LOW	QPSK	21.15	20.94	21.11	22.00	
		MID	QPSK	21.09	20.98	21.28	22.00	
		HIGH	QPSK	21.07	21.26	21.38	22.00	
100	LOW	QPSK	21.11	21.01	21.37	22.00		
20	1	LOW	Q16	21.13	21.21	21.36	22.00	
		MID	Q16	21.28	21.21	21.44	22.00	
		HIGH	Q16	21.56	21.40	21.34	22.00	
	50	LOW	Q16	20.98	21.10	21.27	22.00	
		MID	Q16	21.14	21.06	21.08	22.00	
		HIGH	Q16	21.11	21.17	21.15	22.00	
100	LOW	Q16	21.30	21.18	21.22	22.00		
20	1	LOW	64QAM	21.09	21.29	21.25	22.00	
		MID	64QAM	21.11	21.15	21.22	22.00	
		HIGH	64QAM	21.58	21.38	21.26	22.00	
	50	LOW	64QAM	20.47	20.65	20.97	21.50	
		MID	64QAM	20.62	20.70	20.63	21.50	
		HIGH	64QAM	20.81	20.67	20.68	21.50	
100	LOW	64QAM	20.85	20.84	20.96	21.50		

LTE B4-State 18 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.10	20.02	20.12	21.00	
		MID	QPSK	20.24	19.91	19.94	21.00	
		HIGH	QPSK	20.12	19.95	20.09	21.00	
	3	LOW	QPSK	20.01	19.86	20.01	21.00	
		MID	QPSK	20.15	19.84	19.92	21.00	
		HIGH	QPSK	19.71	20.20	20.38	21.00	
	6	LOW	QPSK	19.85	19.87	20.17	21.00	
	1.4	1	LOW	Q16	20.27	20.15	20.44	21.00
			MID	Q16	20.04	19.85	20.34	21.00
HIGH			Q16	20.48	20.28	20.28	21.00	
3		LOW	Q16	19.68	20.04	20.13	21.00	
		MID	Q16	19.90	19.88	20.08	21.00	
		HIGH	Q16	19.97	20.17	20.13	21.00	
6		LOW	Q16	20.20	20.12	20.12	21.00	
1.4		1	LOW	64QAM	20.07	19.79	20.12	21.00
			MID	64QAM	20.08	19.95	20.36	21.00
	HIGH		64QAM	20.14	20.32	20.22	21.00	
	3	LOW	64QAM	19.90	19.88	20.03	21.00	
		MID	64QAM	20.36	20.00	19.76	21.00	
		HIGH	64QAM	19.85	19.89	19.63	21.00	
	6	LOW	64QAM	20.02	20.14	19.94	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	20.16	19.94	20.00	21.00
MID			QPSK	20.16	20.09	20.24	21.00	
HIGH			QPSK	20.04	20.05	20.23	21.00	
8		LOW	QPSK	20.27	19.80	19.81	21.00	
		MID	QPSK	20.07	19.70	20.16	21.00	
		HIGH	QPSK	19.89	20.10	20.30	21.00	
15		LOW	QPSK	20.05	20.11	20.13	21.00	
3		1	LOW	Q16	20.11	20.21	20.40	21.00
			MID	Q16	20.18	19.87	20.14	21.00
	HIGH		Q16	20.32	20.34	20.18	21.00	
	8	LOW	Q16	19.72	19.94	20.13	21.00	
		MID	Q16	19.98	19.86	19.80	21.00	
		HIGH	Q16	20.03	20.15	19.97	21.00	
	15	LOW	Q16	20.32	20.28	20.10	21.00	
	3	1	LOW	64QAM	20.07	19.89	20.18	21.00
			MID	64QAM	20.22	19.97	20.22	21.00
HIGH			64QAM	20.44	20.18	19.98	21.00	
8		LOW	64QAM	19.88	19.84	19.99	21.00	
		MID	64QAM	20.38	19.76	20.06	21.00	
		HIGH	64QAM	19.83	19.75	19.77	21.00	
15		LOW	64QAM	20.08	19.88	20.02	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)	
5	1	LOW	QPSK	20.14	19.94	20.18	21.00	
		MID	QPSK	19.94	20.17	19.94	21.00	
		HIGH	QPSK	20.10	20.07	20.21	21.00	
	12	LOW	QPSK	20.27	19.92	19.99	21.00	
		MID	QPSK	19.95	19.60	20.00	21.00	
		HIGH	QPSK	19.77	20.06	20.50	21.00	
	25	LOW	QPSK	19.97	20.13	20.07	21.00	
	5	1	LOW	Q16	20.23	20.17	20.14	21.00
			MID	Q16	20.00	19.99	20.32	21.00
HIGH			Q16	20.38	20.28	20.28	21.00	
12		LOW	Q16	19.80	19.80	20.25	21.00	
		MID	Q16	19.86	20.02	20.06	21.00	
		HIGH	Q16	20.21	20.23	20.03	21.00	
25		LOW	Q16	20.22	20.10	20.30	21.00	
5		1	LOW	64QAM	19.93	19.97	19.98	21.00
			MID	64QAM	20.24	20.03	20.30	21.00
	HIGH		64QAM	20.32	20.04	20.12	21.00	
	12	LOW	64QAM	20.06	19.84	20.03	21.00	
		MID	64QAM	20.30	19.86	19.84	21.00	
		HIGH	64QAM	19.73	19.83	19.91	21.00	
	25	LOW	64QAM	20.18	19.86	20.02	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
	10	1	LOW	QPSK	20.16	20.04	19.96	21.00
MID			QPSK	20.08	19.89	20.20	21.00	
HIGH			QPSK	20.12	20.07	20.29	21.00	
25		LOW	QPSK	20.29	19.94	19.85	21.00	
		MID	QPSK	19.89	19.64	20.18	21.00	
		HIGH	QPSK	19.87	20.08	20.54	21.00	
50	LOW	QPSK	19.97	19.97	20.19	21.00		
10	1	LOW	Q16	20.39	20.01	20.28	21.00	
		MID	Q16	20.08	19.85	20.22	21.00	
		HIGH	Q16	20.54	20.20	20.14	21.00	
	25	LOW	Q16	19.68	19.92	20.15	21.00	
		MID	Q16	20.06	20.04	19.90	21.00	
		HIGH	Q16	19.97	20.29	20.21	21.00	
50	LOW	Q16	20.32	20.02	20.08	21.00		
10	1	LOW	64QAM	19.99	19.77	19.98	21.00	
		MID	64QAM	20.20	20.03	20.18	21.00	
		HIGH	64QAM	20.22	20.18	20.20	21.00	
	25	LOW	64QAM	20.00	20.08	19.97	21.00	
		MID	64QAM	20.24	19.86	20.00	21.00	
		HIGH	64QAM	19.73	19.95	19.83	21.00	
	50	LOW	64QAM	20.22	20.06	19.84	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)	
15	1	LOW	QPSK	19.92	20.04	19.98	21.00	
		MID	QPSK	20.22	20.03	20.08	21.00	
		HIGH	QPSK	20.18	20.07	20.27	21.00	
	36	LOW	QPSK	20.07	19.80	19.85	21.00	
		MID	QPSK	19.91	19.86	20.22	21.00	
		HIGH	QPSK	19.85	20.18	20.40	21.00	
	75	LOW	QPSK	19.91	20.09	20.33	21.00	
	15	1	LOW	Q16	20.35	19.99	20.22	21.00
			MID	Q16	20.26	19.87	20.14	21.00
HIGH			Q16	20.32	20.36	20.14	21.00	
36		LOW	Q16	19.92	19.88	20.21	21.00	
		MID	Q16	20.02	19.98	20.02	21.00	
		HIGH	Q16	20.07	19.99	20.05	21.00	
75		LOW	Q16	20.30	20.04	20.14	21.00	
15		1	LOW	64QAM	20.19	19.83	20.12	21.00
			MID	64QAM	20.16	19.79	20.38	21.00
	HIGH		64QAM	20.30	20.18	20.02	21.00	
	36	LOW	64QAM	19.84	20.00	20.07	21.00	
		MID	64QAM	20.38	20.04	19.84	21.00	
		HIGH	64QAM	19.77	19.81	19.65	21.00	
	75	LOW	64QAM	20.20	20.00	19.76	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
	20	1	LOW	QPSK	20.06	20.10	20.10	21.00
MID			QPSK	20.14	20.11	20.16	21.00	
HIGH			QPSK	20.22	20.17	20.23	21.00	
50		LOW	QPSK	20.19	19.98	19.95	21.00	
		MID	QPSK	20.07	19.82	20.12	21.00	
		HIGH	QPSK	19.91	20.18	20.46	21.00	
100	LOW	QPSK	20.03	20.05	20.29	21.00		
20	1	LOW	Q16	20.31	20.13	20.34	21.00	
		MID	Q16	20.18	19.99	20.36	21.00	
		HIGH	Q16	20.48	20.34	20.26	21.00	
	50	LOW	Q16	19.82	20.02	20.31	21.00	
		MID	Q16	19.98	20.04	20.02	21.00	
		HIGH	Q16	20.17	20.21	20.13	21.00	
100	LOW	Q16	20.40	20.18	20.30	21.00		
20	1	LOW	64QAM	20.13	19.89	20.18	21.00	
		MID	64QAM	20.18	19.99	20.32	21.00	
		HIGH	64QAM	20.36	20.24	20.14	21.00	
	50	LOW	64QAM	20.02	20.06	20.15	21.00	
		MID	64QAM	20.28	19.94	19.96	21.00	
		HIGH	64QAM	19.91	19.85	19.81	21.00	
100	LOW	64QAM	20.24	20.04	19.98	21.00		

LTE B4-State 17 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.33	21.25	21.39	22.50	
		MID	QPSK	21.45	21.32	21.31	22.50	
		HIGH	QPSK	21.42	21.72	21.55	22.50	
	3	LOW	QPSK	21.23	21.53	21.68	22.50	
		MID	QPSK	21.53	21.42	21.60	22.50	
		HIGH	QPSK	21.50	21.67	21.53	22.50	
	6	LOW	QPSK	21.64	21.56	21.52	22.50	
	1.4	1	LOW	Q16	21.69	21.64	21.66	22.50
			MID	Q16	21.73	21.75	21.57	22.50
HIGH			Q16	21.76	21.80	21.76	22.50	
3		LOW	Q16	21.33	21.45	21.64	22.50	
		MID	Q16	21.52	21.39	21.46	22.50	
		HIGH	Q16	21.64	21.57	21.59	22.50	
6		LOW	Q16	21.45	21.58	21.64	22.50	
1.4		1	LOW	64QAM	21.56	21.48	21.34	22.50
			MID	64QAM	21.36	21.79	21.63	22.50
	HIGH		64QAM	21.59	21.56	21.76	22.50	
	3	LOW	64QAM	21.22	21.13	21.68	22.50	
		MID	64QAM	21.55	21.27	21.80	22.50	
		HIGH	64QAM	21.51	21.48	21.39	22.50	
	6	LOW	64QAM	20.80	20.76	20.80	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	21.35	21.48	21.41	22.50
MID			QPSK	21.41	21.49	21.35	22.50	
HIGH			QPSK	21.65	21.37	21.68	22.50	
8		LOW	QPSK	21.36	21.36	21.58	22.50	
		MID	QPSK	21.71	21.40	21.65	22.50	
		HIGH	QPSK	21.46	21.60	21.64	22.50	
15		LOW	QPSK	21.60	21.52	21.58	22.50	
3		1	LOW	Q16	21.82	21.55	21.68	22.50
			MID	Q16	21.47	21.68	21.55	22.50
	HIGH		Q16	21.74	21.71	21.83	22.50	
	8	LOW	Q16	21.29	21.56	21.51	22.50	
		MID	Q16	21.46	21.39	21.76	22.50	
		HIGH	Q16	21.62	21.61	21.63	22.50	
	15	LOW	Q16	21.62	21.41	21.66	22.50	
	3	1	LOW	64QAM	21.56	21.42	21.47	22.50
			MID	64QAM	21.43	21.77	21.70	22.50
HIGH			64QAM	21.65	21.74	21.89	22.50	
8		LOW	64QAM	20.47	20.38	20.69	21.50	
		MID	64QAM	20.40	20.42	20.75	21.50	
		HIGH	64QAM	20.76	20.79	20.73	21.50	
15		LOW	64QAM	20.68	20.64	20.97	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)	
5	1	LOW	QPSK	21.31	21.33	21.50	22.50	
		MID	QPSK	21.39	21.47	21.50	22.50	
		HIGH	QPSK	21.57	21.70	21.48	22.50	
	12	LOW	QPSK	21.28	21.55	21.56	22.50	
		MID	QPSK	21.49	21.35	21.43	22.50	
		HIGH	QPSK	21.65	21.52	21.70	22.50	
	25	LOW	QPSK	21.62	21.39	21.52	22.50	
	5	1	LOW	Q16	21.75	21.46	21.86	22.50
			MID	Q16	21.54	21.55	21.70	22.50
HIGH			Q16	21.70	21.82	21.81	22.50	
12		LOW	Q16	21.39	21.41	21.38	22.50	
		MID	Q16	21.42	21.41	21.63	22.50	
		HIGH	Q16	21.58	21.59	21.63	22.50	
25		LOW	Q16	21.64	21.67	21.68	22.50	
5		1	LOW	64QAM	21.50	21.38	21.60	22.50
			MID	64QAM	21.51	21.57	21.83	22.50
	HIGH		64QAM	21.85	21.43	21.63	22.50	
	12	LOW	64QAM	20.76	20.29	20.96	21.50	
		MID	64QAM	20.38	20.61	20.91	21.50	
		HIGH	64QAM	20.85	20.85	20.66	21.50	
	25	LOW	64QAM	20.55	20.59	20.97	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
	10	1	LOW	QPSK	21.40	21.33	21.26	22.50
MID			QPSK	21.39	21.57	21.33	22.50	
HIGH			QPSK	21.70	21.46	21.46	22.50	
25		LOW	QPSK	21.30	21.57	21.47	22.50	
		MID	QPSK	21.66	21.46	21.78	22.50	
		HIGH	QPSK	21.42	21.49	21.61	22.50	
50	LOW	QPSK	21.67	21.41	21.69	22.50		
10	1	LOW	Q16	21.73	21.72	21.66	22.50	
		MID	Q16	21.62	21.55	21.61	22.50	
		HIGH	Q16	21.85	21.82	21.87	22.50	
	25	LOW	Q16	21.57	21.54	21.55	22.50	
		MID	Q16	21.57	21.52	21.74	22.50	
		HIGH	Q16	21.43	21.79	21.52	22.50	
50	LOW	Q16	21.52	21.45	21.70	22.50		
10	1	LOW	64QAM	21.76	21.53	21.32	22.50	
		MID	64QAM	21.58	21.70	21.72	22.50	
		HIGH	64QAM	21.76	21.65	21.94	22.50	
	25	LOW	64QAM	20.72	20.52	20.71	21.50	
		MID	64QAM	20.49	20.61	20.62	21.50	
		HIGH	64QAM	21.01	20.71	20.66	21.50	
	50	LOW	64QAM	20.51	20.82	20.95	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)	
15	1	LOW	QPSK	21.25	21.48	21.61	22.50	
		MID	QPSK	21.24	21.45	21.54	22.50	
		HIGH	QPSK	21.63	21.67	21.63	22.50	
	36	LOW	QPSK	21.58	21.59	21.47	22.50	
		MID	QPSK	21.40	21.70	21.50	22.50	
		HIGH	QPSK	21.63	21.76	21.55	22.50	
	75	LOW	QPSK	21.45	21.63	21.73	22.50	
	15	1	LOW	Q16	21.73	21.55	21.71	22.50
			MID	Q16	21.56	21.66	21.66	22.50
HIGH			Q16	21.68	21.78	21.76	22.50	
36		LOW	Q16	21.31	21.32	21.64	22.50	
		MID	Q16	21.72	21.63	21.65	22.50	
		HIGH	Q16	21.58	21.61	21.61	22.50	
75		LOW	Q16	21.41	21.43	21.61	22.50	
15		1	LOW	64QAM	21.56	21.35	21.45	22.50
			MID	64QAM	21.38	21.72	21.76	22.50
	HIGH		64QAM	21.72	21.56	21.94	22.50	
	36	LOW	64QAM	20.72	20.46	20.76	21.50	
		MID	64QAM	20.38	20.38	20.87	21.50	
		HIGH	64QAM	20.97	20.87	20.75	21.50	
	75	LOW	64QAM	20.53	20.80	21.05	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
	20	1	LOW	QPSK	21.46	21.42	21.50	22.50
MID			QPSK	21.41	21.51	21.48	22.50	
HIGH			QPSK	21.59	21.61	21.66	22.50	
50		LOW	QPSK	21.47	21.55	21.62	22.50	
		MID	QPSK	21.59	21.59	21.67	22.50	
		HIGH	QPSK	21.62	21.64	21.68	22.50	
100	LOW	QPSK	21.58	21.54	21.69	22.50		
20	1	LOW	Q16	21.82	21.68	21.75	22.50	
		MID	Q16	21.71	21.68	21.70	22.50	
		HIGH	Q16	21.92	21.82	21.83	22.50	
	50	LOW	Q16	21.48	21.54	21.55	22.50	
		MID	Q16	21.61	21.63	21.65	22.50	
		HIGH	Q16	21.60	21.72	21.65	22.50	
100	LOW	Q16	21.58	21.56	21.68	22.50		
20	1	LOW	64QAM	21.65	21.44	21.51	22.50	
		MID	64QAM	21.49	21.70	21.74	22.50	
		HIGH	64QAM	21.76	21.65	21.85	22.50	
	50	LOW	64QAM	20.66	20.52	20.86	21.50	
		MID	64QAM	20.59	20.61	20.83	21.50	
		HIGH	64QAM	20.91	20.83	20.83	21.50	
100	LOW	64QAM	20.74	20.76	20.97	21.50		

LTE B4-State 18 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.51	23.49	23.61	24.50	
		MID	QPSK	23.16	23.48	23.44	24.50	
		HIGH	QPSK	23.69	23.67	23.68	24.50	
	3	LOW	QPSK	23.25	23.23	23.35	24.50	
		MID	QPSK	22.97	23.32	23.56	24.50	
		HIGH	QPSK	23.57	23.65	23.47	24.50	
	6	LOW	QPSK	22.29	22.45	22.50	23.50	
	1.4	1	LOW	Q16	22.97	22.95	23.04	23.50
			MID	Q16	22.82	22.73	22.80	23.50
HIGH			Q16	23.00	22.86	22.82	23.50	
3		LOW	Q16	22.97	22.97	22.83	23.50	
		MID	Q16	22.66	22.78	22.78	23.50	
		HIGH	Q16	22.95	22.72	22.80	23.50	
6		LOW	Q16	21.46	21.57	21.68	22.50	
1.4		1	LOW	64QAM	22.19	21.94	22.08	22.50
			MID	64QAM	22.04	21.87	21.79	22.50
	HIGH		64QAM	22.11	22.04	22.18	22.50	
	3	LOW	64QAM	21.34	21.51	21.40	22.50	
		MID	64QAM	21.32	21.52	21.55	22.50	
		HIGH	64QAM	21.45	21.84	21.76	22.50	
	6	LOW	64QAM	20.47	20.65	20.59	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	23.37	23.49	23.26	24.50
MID			QPSK	23.16	23.48	23.32	24.50	
HIGH			QPSK	23.50	23.71	23.64	24.50	
8		LOW	QPSK	22.53	22.45	22.38	23.50	
		MID	QPSK	22.40	22.57	22.67	23.50	
		HIGH	QPSK	22.47	22.46	22.60	23.50	
15		LOW	QPSK	22.47	22.49	22.69	23.50	
3		1	LOW	Q16	23.10	22.95	22.86	23.50
			MID	Q16	22.79	22.82	22.82	23.50
	HIGH		Q16	23.00	23.04	22.96	23.50	
	8	LOW	Q16	21.53	21.38	21.55	22.50	
		MID	Q16	21.62	21.61	21.57	22.50	
		HIGH	Q16	21.41	21.75	21.48	22.50	
	15	LOW	Q16	21.42	21.44	21.53	22.50	
	3	1	LOW	64QAM	22.30	21.83	22.19	22.50
			MID	64QAM	22.29	21.71	21.70	22.50
HIGH			64QAM	21.87	21.86	21.89	22.50	
8		LOW	64QAM	20.32	20.87	20.37	21.50	
		MID	64QAM	20.59	20.48	20.72	21.50	
		HIGH	64QAM	20.57	20.55	20.59	21.50	
15		LOW	64QAM	20.65	20.48	20.78	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)	
5	1	LOW	QPSK	23.49	23.28	23.23	24.50	
		MID	QPSK	23.46	23.34	23.41	24.50	
		HIGH	QPSK	23.62	23.74	23.66	24.50	
	12	LOW	QPSK	22.44	22.34	22.63	23.50	
		MID	QPSK	22.49	22.57	22.64	23.50	
		HIGH	QPSK	22.49	22.52	22.72	23.50	
	25	LOW	QPSK	22.61	22.33	22.62	23.50	
	5	1	LOW	Q16	22.76	22.88	23.06	23.50
			MID	Q16	23.04	22.94	22.91	23.50
HIGH			Q16	23.14	23.06	22.98	23.50	
12		LOW	Q16	21.43	21.59	21.34	22.50	
		MID	Q16	21.58	21.44	21.42	22.50	
		HIGH	Q16	21.43	21.75	21.52	22.50	
25		LOW	Q16	21.42	21.61	21.66	22.50	
5		1	LOW	64QAM	22.08	21.96	21.95	22.50
			MID	64QAM	22.06	21.80	21.88	22.50
	HIGH		64QAM	22.13	21.93	22.07	22.50	
	12	LOW	64QAM	20.38	20.56	20.53	21.50	
		MID	64QAM	20.65	20.43	20.64	21.50	
		HIGH	64QAM	20.73	20.52	20.53	21.50	
	25	LOW	64QAM	20.57	20.65	20.63	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
	10	1	LOW	QPSK	23.32	23.37	23.37	24.50
MID			QPSK	23.35	23.24	23.46	24.50	
HIGH			QPSK	23.33	23.50	23.57	24.50	
25		LOW	QPSK	22.55	22.38	22.38	23.50	
		MID	QPSK	22.65	22.36	22.67	23.50	
		HIGH	QPSK	22.47	22.48	22.47	23.50	
50	LOW	QPSK	22.31	22.40	22.71	23.50		
10	1	LOW	Q16	22.81	22.97	22.88	23.50	
		MID	Q16	23.00	22.89	22.91	23.50	
		HIGH	Q16	23.17	23.06	22.77	23.50	
	25	LOW	Q16	21.45	21.38	21.40	22.50	
		MID	Q16	21.54	21.57	21.37	22.50	
		HIGH	Q16	21.36	21.53	21.63	22.50	
50	LOW	Q16	21.61	21.57	21.66	22.50		
10	1	LOW	64QAM	22.06	21.99	21.99	22.50	
		MID	64QAM	22.31	21.65	21.68	22.50	
		HIGH	64QAM	21.98	21.95	22.02	22.50	
	25	LOW	64QAM	20.50	20.67	20.57	21.50	
		MID	64QAM	20.70	20.52	20.78	21.50	
		HIGH	64QAM	20.49	20.67	20.67	21.50	
	50	LOW	64QAM	20.65	20.67	20.80	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)	
15	1	LOW	QPSK	23.44	23.56	23.54	24.50	
		MID	QPSK	23.32	23.48	23.41	24.50	
		HIGH	QPSK	23.69	23.48	23.33	24.50	
	36	LOW	QPSK	22.26	22.38	22.40	23.50	
		MID	QPSK	22.59	22.45	22.60	23.50	
		HIGH	QPSK	22.53	22.32	22.56	23.50	
	75	LOW	QPSK	22.65	22.47	22.48	23.50	
	15	1	LOW	Q16	22.76	22.97	22.86	23.50
			MID	Q16	22.70	22.78	22.84	23.50
HIGH			Q16	23.00	22.88	22.73	23.50	
36		LOW	Q16	21.23	21.55	21.42	22.50	
		MID	Q16	21.43	21.57	21.44	22.50	
		HIGH	Q16	21.58	21.57	21.74	22.50	
75		LOW	Q16	21.70	21.33	21.53	22.50	
15		1	LOW	64QAM	22.28	21.96	21.92	22.50
			MID	64QAM	21.98	21.82	21.95	22.50
	HIGH		64QAM	22.20	22.10	22.13	22.50	
	36	LOW	64QAM	20.52	20.81	20.47	21.50	
		MID	64QAM	20.74	20.50	20.49	21.50	
		HIGH	64QAM	20.57	20.75	20.69	21.50	
	75	LOW	64QAM	20.34	20.77	20.61	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
	20	1	LOW	QPSK	23.44	23.44	23.49	24.50
MID			QPSK	23.37	23.50	23.46	24.50	
HIGH			QPSK	23.57	23.52	23.59	24.50	
50		LOW	QPSK	22.46	22.52	22.56	23.50	
		MID	QPSK	22.54	22.52	22.69	23.50	
		HIGH	QPSK	22.58	22.57	22.65	23.50	
100	LOW	QPSK	22.54	22.49	22.64	23.50		
20	1	LOW	Q16	22.99	22.88	22.95	23.50	
		MID	Q16	22.93	22.87	22.91	23.50	
		HIGH	Q16	23.12	23.04	22.98	23.50	
	50	LOW	Q16	21.47	21.53	21.51	22.50	
		MID	Q16	21.60	21.57	21.61	22.50	
		HIGH	Q16	21.58	21.66	21.63	22.50	
100	LOW	Q16	21.59	21.55	21.66	22.50		
20	1	LOW	64QAM	22.19	21.92	22.10	22.50	
		MID	64QAM	22.22	21.89	21.88	22.50	
		HIGH	64QAM	22.09	22.06	22.09	22.50	
	50	LOW	64QAM	20.50	20.79	20.47	21.50	
		MID	64QAM	20.80	20.62	20.72	21.50	
		HIGH	64QAM	20.63	20.69	20.61	21.50	
100	LOW	64QAM	20.55	20.71	20.82	21.50		

8.3.2 LTE Band5 Output Power

LTE B5-State 17 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.64	23.65	23.59	24.30	
		MID	QPSK	23.54	23.70	23.44	24.30	
		HIGH	QPSK	23.69	23.50	23.59	24.30	
	3	LOW	QPSK	23.50	23.56	23.61	24.30	
		MID	QPSK	23.61	23.53	23.56	24.30	
		HIGH	QPSK	23.55	23.59	23.35	24.30	
	6	LOW	QPSK	23.32	23.03	23.29	23.80	
	1.4	1	LOW	Q16	22.89	23.36	23.29	23.80
			MID	Q16	23.03	23.45	23.10	23.80
HIGH			Q16	23.02	23.70	22.92	23.80	
3		LOW	Q16	22.84	23.17	23.22	23.80	
		MID	Q16	23.12	23.50	23.01	23.80	
		HIGH	Q16	23.14	23.53	22.99	23.80	
6		LOW	Q16	22.05	22.12	22.13	22.80	
1.4		1	LOW	64QAM	22.18	22.70	22.07	22.80
			MID	64QAM	22.09	22.79	22.22	22.80
	HIGH		64QAM	22.18	22.78	22.21	22.80	
	3	LOW	64QAM	22.42	22.26	22.13	22.80	
		MID	64QAM	21.99	21.98	22.16	22.80	
		HIGH	64QAM	21.89	22.25	22.45	22.80	
	6	LOW	64QAM	21.31	21.09	21.05	21.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.55	23.36	23.76	24.30
MID			QPSK	23.57	23.41	23.63	24.30	
HIGH			QPSK	23.53	23.68	23.66	24.30	
8		LOW	QPSK	23.11	23.07	23.06	23.80	
		MID	QPSK	23.16	23.18	23.11	23.80	
		HIGH	QPSK	23.24	22.94	22.94	23.80	
15		LOW	QPSK	23.30	23.19	23.12	23.80	
3		1	LOW	Q16	22.91	23.36	23.01	23.80
			MID	Q16	23.10	23.45	23.31	23.80
	HIGH		Q16	22.95	23.39	23.04	23.80	
	8	LOW	Q16	22.13	22.16	22.22	22.80	
		MID	Q16	22.18	22.03	22.21	22.80	
		HIGH	Q16	22.18	22.29	22.34	22.80	
	15	LOW	Q16	22.30	21.97	22.22	22.80	
	3	1	LOW	64QAM	22.16	22.72	22.12	22.80
			MID	64QAM	22.03	22.60	22.14	22.80
HIGH			64QAM	22.27	22.60	22.23	22.80	
8		LOW	64QAM	21.08	21.65	21.12	21.80	
		MID	64QAM	21.32	21.29	21.42	21.80	
		HIGH	64QAM	21.49	21.30	21.25	21.80	
15		LOW	64QAM	21.38	21.19	21.24	21.80	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.66	23.39	23.76	24.30	
		MID	QPSK	23.52	23.77	23.44	24.30	
		HIGH	QPSK	23.38	23.66	23.64	24.30	
	12	LOW	QPSK	22.93	22.91	23.27	23.80	
		MID	QPSK	23.18	23.02	23.16	23.80	
		HIGH	QPSK	23.17	22.97	23.18	23.80	
	25	LOW	QPSK	23.14	23.24	22.98	23.80	
	5	1	LOW	Q16	23.24	23.62	23.22	23.80
			MID	Q16	23.10	23.64	23.33	23.80
HIGH			Q16	22.89	23.65	22.99	23.80	
12		LOW	Q16	21.98	22.16	22.13	22.80	
		MID	Q16	22.13	22.29	22.14	22.80	
		HIGH	Q16	22.24	22.09	22.32	22.80	
25		LOW	Q16	22.28	22.28	22.00	22.80	
5		1	LOW	64QAM	22.27	22.66	22.01	22.80
			MID	64QAM	22.14	22.60	22.09	22.80
	HIGH		64QAM	22.18	22.44	22.16	22.80	
	12	LOW	64QAM	21.14	21.47	21.12	21.80	
		MID	64QAM	21.37	21.08	21.50	21.80	
		HIGH	64QAM	21.28	21.41	21.55	21.80	
	25	LOW	64QAM	21.08	21.39	20.95	21.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.59	23.60	23.50	24.30
MID			QPSK	23.64	23.65	23.63	24.30	
HIGH			QPSK	23.62	23.59	23.59	24.30	
25		LOW	QPSK	23.16	23.16	23.18	23.80	
		MID	QPSK	23.21	23.23	23.19	23.80	
		HIGH	QPSK	23.19	23.20	23.11	23.80	
50	LOW	QPSK	23.23	23.26	23.17	23.80		
10	1	LOW	Q16	23.12	23.62	23.24	23.80	
		MID	Q16	23.12	23.62	23.24	23.80	
		HIGH	Q16	23.07	23.63	23.13	23.80	
	25	LOW	Q16	22.20	22.29	22.29	22.80	
		MID	Q16	22.31	22.25	22.32	22.80	
		HIGH	Q16	22.22	22.29	22.34	22.80	
50	LOW	Q16	22.21	22.21	22.22	22.80		
10	1	LOW	64QAM	22.16	22.61	22.14	22.80	
		MID	64QAM	22.16	22.74	22.18	22.80	
		HIGH	64QAM	22.25	22.67	22.12	22.80	
	25	LOW	64QAM	21.16	21.56	21.33	21.80	
		MID	64QAM	21.28	21.31	21.44	21.80	
		HIGH	64QAM	21.47	21.45	21.44	21.80	
50	LOW	64QAM	21.29	21.28	21.16	21.80		

LTE B5-State 18 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.97	20.23	19.96	20.80	
		MID	QPSK	19.96	20.00	20.24	20.80	
		HIGH	QPSK	20.12	19.94	20.20	20.80	
	3	LOW	QPSK	20.07	20.24	20.32	20.80	
		MID	QPSK	20.14	20.15	20.16	20.80	
		HIGH	QPSK	20.18	20.35	20.12	20.80	
	6	LOW	QPSK	20.24	20.32	20.24	20.80	
	1.4	1	LOW	Q16	20.20	20.28	20.23	20.80
			MID	Q16	20.08	20.26	20.27	20.80
HIGH			Q16	19.99	20.28	20.26	20.80	
3		LOW	Q16	20.23	20.16	20.12	20.80	
		MID	Q16	20.33	20.31	20.38	20.80	
		HIGH	Q16	20.28	20.27	20.14	20.80	
6		LOW	Q16	20.29	20.39	20.35	20.80	
1.4		1	LOW	64QAM	20.12	20.20	20.13	20.80
			MID	64QAM	20.12	20.14	20.23	20.80
	HIGH		64QAM	20.01	20.42	20.14	20.80	
	3	LOW	64QAM	20.41	20.24	20.30	20.80	
		MID	64QAM	20.25	20.29	20.20	20.80	
		HIGH	64QAM	20.22	20.37	20.16	20.80	
	6	LOW	64QAM	20.49	20.37	20.55	20.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	20.29	20.15	20.06	20.80
MID			QPSK	20.12	19.96	20.16	20.80	
HIGH			QPSK	20.00	19.86	20.14	20.80	
8		LOW	QPSK	20.09	20.22	20.20	20.80	
		MID	QPSK	20.08	20.27	20.08	20.80	
		HIGH	QPSK	20.18	20.33	20.22	20.80	
15	LOW	QPSK	20.10	20.12	20.14	20.80		
3	1	LOW	Q16	19.98	20.12	20.19	20.80	
		MID	Q16	20.00	20.30	20.23	20.80	
		HIGH	Q16	19.97	20.10	20.24	20.80	
	8	LOW	Q16	20.33	20.16	20.42	20.80	
		MID	Q16	20.15	20.31	20.36	20.80	
		HIGH	Q16	20.22	20.35	20.40	20.80	
15	LOW	Q16	20.41	20.21	20.15	20.80		
3	1	LOW	64QAM	20.24	20.24	20.23	20.80	
		MID	64QAM	20.22	20.26	20.29	20.80	
		HIGH	64QAM	20.05	20.18	20.12	20.80	
	8	LOW	64QAM	20.27	19.98	20.22	20.80	
		MID	64QAM	20.17	20.21	20.12	20.80	
		HIGH	64QAM	20.44	20.23	20.24	20.80	
15	LOW	64QAM	20.53	20.11	20.53	20.80		

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	20.03	20.21	20.16	20.80	
		MID	QPSK	20.06	20.02	20.08	20.80	
		HIGH	QPSK	20.14	20.04	19.92	20.80	
	12	LOW	QPSK	20.01	20.34	20.16	20.80	
		MID	QPSK	20.32	20.05	20.18	20.80	
		HIGH	QPSK	20.06	20.09	20.24	20.80	
	25	LOW	QPSK	20.06	20.26	20.20	20.80	
	5	1	LOW	Q16	20.00	20.24	20.11	20.80
			MID	Q16	20.20	20.22	20.21	20.80
HIGH			Q16	19.97	20.28	20.20	20.80	
12		LOW	Q16	20.09	20.40	20.38	20.80	
		MID	Q16	20.25	20.23	20.32	20.80	
		HIGH	Q16	20.14	20.31	20.28	20.80	
25		LOW	Q16	20.33	20.29	20.07	20.80	
5		1	LOW	64QAM	20.24	20.20	20.31	20.80
			MID	64QAM	20.18	20.30	20.19	20.80
	HIGH		64QAM	20.15	20.26	20.00	20.80	
	12	LOW	64QAM	20.15	20.24	20.38	20.80	
		MID	64QAM	20.15	20.33	20.32	20.80	
		HIGH	64QAM	20.28	20.39	20.26	20.80	
	25	LOW	64QAM	20.53	20.35	20.49	20.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	20.19	20.19	20.18	20.80
MID			QPSK	20.22	20.14	20.20	20.80	
HIGH			QPSK	20.14	20.08	20.14	20.80	
25		LOW	QPSK	20.17	20.24	20.24	20.80	
		MID	QPSK	20.30	20.27	20.22	20.80	
		HIGH	QPSK	20.28	20.29	20.26	20.80	
50	LOW	QPSK	20.28	20.24	20.22	20.80		
10	1	LOW	Q16	20.14	20.24	20.25	20.80	
		MID	Q16	20.16	20.28	20.27	20.80	
		HIGH	Q16	20.11	20.28	20.18	20.80	
	25	LOW	Q16	20.25	20.34	20.32	20.80	
		MID	Q16	20.35	20.33	20.30	20.80	
		HIGH	Q16	20.32	20.39	20.36	20.80	
50	LOW	Q16	20.33	20.31	20.25	20.80		
10	1	LOW	64QAM	20.22	20.38	20.25	20.80	
		MID	64QAM	20.20	20.36	20.35	20.80	
		HIGH	64QAM	20.21	20.36	20.18	20.80	
	25	LOW	64QAM	20.37	20.20	20.34	20.80	
		MID	64QAM	20.37	20.39	20.34	20.80	
		HIGH	64QAM	20.36	20.43	20.32	20.80	
50	LOW	64QAM	20.51	20.33	20.55	20.80		

LTE B5-State 17 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.56	23.93	23.53	24.80	
		MID	QPSK	23.59	23.83	23.66	24.80	
		HIGH	QPSK	23.75	23.65	23.51	24.80	
	3	LOW	QPSK	23.68	24.03	23.46	24.80	
		MID	QPSK	23.61	23.64	23.90	24.80	
		HIGH	QPSK	23.75	23.43	23.66	24.80	
	6	LOW	QPSK	22.80	22.92	22.78	23.80	
		LOW	Q16	22.82	23.31	22.71	23.80	
		MID	Q16	22.81	23.43	22.59	23.80	
1.4	1	HIGH	Q16	22.63	23.17	22.85	23.80	
		LOW	Q16	22.45	23.34	22.51	23.80	
		MID	Q16	22.56	23.31	22.54	23.80	
	3	HIGH	Q16	22.94	23.19	22.80	23.80	
		LOW	Q16	21.64	21.95	21.75	22.80	
		MID	Q16	22.08	22.06	21.71	22.80	
	1.4	1	MID	64QAM	21.50	22.35	21.84	22.80
			HIGH	64QAM	21.85	22.38	21.96	22.80
			LOW	64QAM	21.73	22.15	21.84	22.80
3		MID	64QAM	21.50	22.24	21.82	22.80	
		HIGH	64QAM	21.90	22.24	21.74	22.80	
		LOW	64QAM	20.87	20.82	21.05	21.80	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3		1	LOW	QPSK	23.80	23.95	23.89	24.80
			MID	QPSK	23.73	23.81	23.63	24.80
	HIGH		QPSK	23.87	23.77	23.77	24.80	
	8	LOW	QPSK	22.70	22.71	22.95	23.80	
		MID	QPSK	22.64	22.80	22.68	23.80	
		HIGH	QPSK	22.66	22.75	22.66	23.80	
	15	LOW	QPSK	22.69	22.72	22.89	23.80	
		LOW	Q16	22.82	23.22	22.96	23.80	
		MID	Q16	22.54	23.10	22.89	23.80	
3	1	HIGH	Q16	22.77	23.03	22.69	23.80	
		LOW	Q16	21.59	21.70	21.89	22.80	
		MID	Q16	21.93	22.03	21.70	22.80	
	8	HIGH	Q16	21.99	21.80	21.88	22.80	
		LOW	Q16	21.97	21.99	21.66	22.80	
		MID	Q16	22.15	22.30	21.91	22.80	
	3	1	MID	64QAM	21.50	22.51	21.97	22.80
			HIGH	64QAM	21.90	22.40	21.63	22.80
			LOW	64QAM	20.97	20.84	20.72	21.80
8		MID	64QAM	21.11	21.01	21.04	21.80	
		HIGH	64QAM	21.12	21.03	21.02	21.80	
		LOW	64QAM	20.89	20.77	21.01	21.80	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.61	23.76	23.58	24.80	
		MID	QPSK	23.68	23.83	23.63	24.80	
		HIGH	QPSK	23.82	23.62	23.70	24.80	
	12	LOW	QPSK	22.70	22.62	22.75	23.80	
		MID	QPSK	22.80	22.78	22.71	23.80	
		HIGH	QPSK	22.61	22.95	22.61	23.80	
	25	LOW	QPSK	22.64	22.85	22.80	23.80	
	5	1	LOW	Q16	22.82	23.22	22.89	23.80
			MID	Q16	22.58	23.31	22.93	23.80
HIGH			Q16	22.65	23.03	22.73	23.80	
12		LOW	Q16	21.83	21.79	21.91	22.80	
		MID	Q16	21.80	21.81	21.81	22.80	
		HIGH	Q16	21.70	22.04	21.82	22.80	
25		LOW	Q16	21.62	21.70	21.62	22.80	
5		1	LOW	64QAM	21.97	22.15	21.97	22.80
			MID	64QAM	21.67	22.35	21.79	22.80
	HIGH		64QAM	21.96	22.67	21.65	22.80	
	12	LOW	64QAM	21.19	20.82	20.85	21.80	
		MID	64QAM	20.81	21.18	20.87	21.80	
		HIGH	64QAM	21.03	21.01	21.13	21.80	
	25	LOW	64QAM	20.99	21.00	20.89	21.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.75	23.83	23.79	24.80
MID			QPSK	23.73	23.81	23.75	24.80	
HIGH			QPSK	23.77	23.79	23.75	24.80	
25		LOW	QPSK	22.79	22.80	22.84	23.80	
		MID	QPSK	22.87	22.89	22.82	23.80	
		HIGH	QPSK	22.84	22.86	22.84	23.80	
50	LOW	QPSK	22.80	22.83	22.80	23.80		
10	1	LOW	Q16	22.75	23.24	22.87	23.80	
		MID	Q16	22.72	23.31	22.82	23.80	
		HIGH	Q16	22.72	23.26	22.78	23.80	
	25	LOW	Q16	21.81	21.92	21.91	22.80	
		MID	Q16	21.93	21.92	21.92	22.80	
		HIGH	Q16	21.92	22.00	21.95	22.80	
50	LOW	Q16	21.86	21.88	21.86	22.80		
10	1	LOW	64QAM	22.06	22.28	21.93	22.80	
		MID	64QAM	21.74	22.58	21.97	22.80	
		HIGH	64QAM	21.92	22.58	21.87	22.80	
	25	LOW	64QAM	21.08	20.92	20.89	21.80	
		MID	64QAM	21.00	21.16	21.08	21.80	
		HIGH	64QAM	21.14	21.05	21.19	21.80	
50	LOW	64QAM	20.91	20.90	20.99	21.80		

LTE B5-State 18 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.56	23.93	23.53	24.80	
		MID	QPSK	23.59	23.83	23.66	24.80	
		HIGH	QPSK	23.75	23.65	23.51	24.80	
	3	LOW	QPSK	23.68	24.03	23.46	24.80	
		MID	QPSK	23.61	23.64	23.90	24.80	
		HIGH	QPSK	23.75	23.43	23.66	24.80	
	6	LOW	QPSK	22.80	22.92	22.78	23.80	
		LOW	Q16	22.82	23.31	22.71	23.80	
		MID	Q16	22.81	23.43	22.59	23.80	
1.4	1	HIGH	Q16	22.63	23.17	22.85	23.80	
		LOW	Q16	22.45	23.34	22.51	23.80	
		MID	Q16	22.56	23.31	22.54	23.80	
	3	HIGH	Q16	22.94	23.19	22.80	23.80	
		LOW	Q16	21.64	21.95	21.75	22.80	
		MID	Q16	22.08	22.06	21.71	22.80	
	1.4	1	HIGH	64QAM	21.50	22.35	21.84	22.80
			LOW	64QAM	21.85	22.38	21.96	22.80
			MID	64QAM	21.73	22.15	21.84	22.80
3		LOW	64QAM	21.50	22.24	21.82	22.80	
		MID	64QAM	21.90	22.24	21.74	22.80	
		HIGH	64QAM	20.87	20.82	21.05	21.80	
6		LOW	64QAM	20.87	20.82	21.05	21.80	
		LOW	64QAM	20.87	20.82	21.05	21.80	
		LOW	64QAM	20.87	20.82	21.05	21.80	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)	
3	1	LOW	QPSK	23.80	23.95	23.89	24.80	
		MID	QPSK	23.73	23.81	23.63	24.80	
		HIGH	QPSK	23.87	23.77	23.77	24.80	
	8	LOW	QPSK	22.70	22.71	22.95	23.80	
		MID	QPSK	22.64	22.80	22.68	23.80	
		HIGH	QPSK	22.66	22.75	22.66	23.80	
	15	LOW	QPSK	22.69	22.72	22.89	23.80	
		LOW	Q16	22.82	23.22	22.96	23.80	
		MID	Q16	22.54	23.10	22.89	23.80	
3	1	HIGH	Q16	22.77	23.03	22.69	23.80	
		LOW	Q16	21.59	21.70	21.89	22.80	
		MID	Q16	21.93	22.03	21.70	22.80	
	8	LOW	Q16	21.99	21.80	21.88	22.80	
		LOW	Q16	21.97	21.99	21.66	22.80	
		MID	Q16	21.97	21.99	21.66	22.80	
	3	1	HIGH	64QAM	22.15	22.30	21.91	22.80
			LOW	64QAM	21.50	22.51	21.97	22.80
			MID	64QAM	21.90	22.40	21.63	22.80
8		LOW	64QAM	20.97	20.84	20.72	21.80	
		MID	64QAM	21.11	21.01	21.04	21.80	
		HIGH	64QAM	21.12	21.03	21.02	21.80	
15		LOW	64QAM	20.89	20.77	21.01	21.80	
		LOW	64QAM	20.89	20.77	21.01	21.80	
		LOW	64QAM	20.89	20.77	21.01	21.80	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.61	23.76	23.58	24.80	
		MID	QPSK	23.68	23.83	23.63	24.80	
		HIGH	QPSK	23.82	23.62	23.70	24.80	
	12	LOW	QPSK	22.70	22.62	22.75	23.80	
		MID	QPSK	22.80	22.78	22.71	23.80	
		HIGH	QPSK	22.61	22.95	22.61	23.80	
	25	LOW	QPSK	22.64	22.85	22.80	23.80	
	5	1	LOW	Q16	22.82	23.22	22.89	23.80
			MID	Q16	22.58	23.31	22.93	23.80
HIGH			Q16	22.65	23.03	22.73	23.80	
12		LOW	Q16	21.83	21.79	21.91	22.80	
		MID	Q16	21.80	21.81	21.81	22.80	
		HIGH	Q16	21.70	22.04	21.82	22.80	
25		LOW	Q16	21.62	21.70	21.62	22.80	
5		1	LOW	64QAM	21.97	22.15	21.97	22.80
			MID	64QAM	21.67	22.35	21.79	22.80
	HIGH		64QAM	21.96	22.67	21.65	22.80	
	12	LOW	64QAM	21.19	20.82	20.85	21.80	
		MID	64QAM	20.81	21.18	20.87	21.80	
		HIGH	64QAM	21.03	21.01	21.13	21.80	
	25	LOW	64QAM	20.99	21.00	20.89	21.80	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.75	23.83	23.79	24.80
MID			QPSK	23.73	23.81	23.75	24.80	
HIGH			QPSK	23.77	23.79	23.75	24.80	
25		LOW	QPSK	22.79	22.80	22.84	23.80	
		MID	QPSK	22.87	22.89	22.82	23.80	
		HIGH	QPSK	22.84	22.86	22.84	23.80	
10	1	LOW	Q16	22.75	23.24	22.87	23.80	
		MID	Q16	22.72	23.31	22.82	23.80	
		HIGH	Q16	22.72	23.26	22.78	23.80	
	25	LOW	Q16	21.81	21.92	21.91	22.80	
		MID	Q16	21.93	21.92	21.92	22.80	
		HIGH	Q16	21.92	22.00	21.95	22.80	
10	1	LOW	Q16	21.86	21.88	21.86	22.80	
		LOW	64QAM	22.06	22.28	21.93	22.80	
		MID	64QAM	21.74	22.58	21.97	22.80	
	25	HIGH	64QAM	21.92	22.58	21.87	22.80	
		LOW	64QAM	21.08	20.92	20.89	21.80	
		MID	64QAM	21.00	21.16	21.08	21.80	
50	HIGH	64QAM	21.14	21.05	21.19	21.80		
50	LOW	64QAM	20.91	20.90	20.99	21.80		

8.3.3 LTE Band12 Output Power

LTE B12-State 17 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.28	23.26	23.11	24.00	
		MID	QPSK	23.19	23.24	22.98	24.00	
		HIGH	QPSK	22.99	23.14	23.04	24.00	
	3	LOW	QPSK	23.06	23.14	23.02	24.00	
		MID	QPSK	23.26	23.36	23.12	24.00	
		HIGH	QPSK	23.01	23.10	22.81	24.00	
	6	LOW	QPSK	22.44	22.05	21.95	23.00	
	1.4	1	LOW	Q16	22.12	21.96	22.39	23.00
			MID	Q16	21.96	22.03	22.71	23.00
HIGH			Q16	22.08	21.95	22.68	23.00	
3		LOW	Q16	22.41	22.12	22.46	23.00	
		MID	Q16	22.29	22.19	22.55	23.00	
		HIGH	Q16	21.97	21.93	22.55	23.00	
6		LOW	Q16	21.45	21.26	21.29	22.00	
1.4		1	LOW	64QAM	21.33	20.95	21.68	22.00
			MID	64QAM	21.23	21.20	21.46	22.00
	HIGH		64QAM	21.07	21.48	21.68	22.00	
	3	LOW	64QAM	21.28	21.00	21.43	22.00	
		MID	64QAM	21.48	21.30	21.60	22.00	
		HIGH	64QAM	21.22	21.50	21.61	22.00	
	6	LOW	64QAM	20.32	20.09	20.56	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	23.32	23.24	22.95	24.00
MID			QPSK	23.26	23.08	22.91	24.00	
HIGH			QPSK	23.27	23.07	23.25	24.00	
8		LOW	QPSK	22.13	22.09	21.94	23.00	
		MID	QPSK	22.47	22.15	22.27	23.00	
		HIGH	QPSK	22.34	22.07	22.02	23.00	
15	LOW	QPSK	22.17	22.34	21.99	23.00		
3	1	LOW	Q16	22.19	21.98	22.57	23.00	
		MID	Q16	22.09	22.21	22.37	23.00	
		HIGH	Q16	22.35	21.98	22.72	23.00	
	8	LOW	Q16	21.16	21.33	21.12	22.00	
		MID	Q16	21.46	21.32	21.11	22.00	
		HIGH	Q16	21.40	21.45	21.34	22.00	
15	LOW	Q16	21.52	21.05	21.33	22.00		
3	1	LOW	64QAM	21.44	20.95	21.51	22.00	
		MID	64QAM	21.40	21.28	21.33	22.00	
		HIGH	64QAM	21.01	21.20	21.92	22.00	
	8	LOW	64QAM	20.61	20.49	20.28	21.00	
		MID	64QAM	20.64	20.17	20.04	21.00	
		HIGH	64QAM	20.68	20.72	20.47	21.00	
15	LOW	64QAM	20.38	20.25	20.58	21.00		

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	23.28	23.19	22.97	24.00	
		MID	QPSK	23.30	23.13	23.05	24.00	
		HIGH	QPSK	22.96	23.05	22.94	24.00	
	12	LOW	QPSK	22.33	22.21	22.18	23.00	
		MID	QPSK	22.25	22.32	22.36	23.00	
		HIGH	QPSK	22.26	22.31	22.28	23.00	
	25	LOW	QPSK	22.15	22.27	22.19	23.00	
	5	1	LOW	Q16	22.30	22.27	22.62	23.00
			MID	Q16	22.00	21.99	22.62	23.00
HIGH			Q16	22.35	22.24	22.61	23.00	
12		LOW	Q16	21.43	21.42	21.31	22.00	
		MID	Q16	21.42	21.36	21.04	22.00	
		HIGH	Q16	21.35	21.33	21.32	22.00	
25		LOW	Q16	21.45	21.16	21.27	22.00	
5		1	LOW	64QAM	21.48	20.95	21.68	22.00
			MID	64QAM	21.51	21.41	21.38	22.00
	HIGH		64QAM	21.22	21.44	21.94	22.00	
	12	LOW	64QAM	20.38	20.55	20.18	21.00	
		MID	64QAM	20.78	20.41	20.18	21.00	
		HIGH	64QAM	20.49	20.56	20.49	21.00	
	25	LOW	64QAM	20.30	20.27	20.42	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	23.23	23.19	23.16	24.00
MID			QPSK	23.21	23.22	23.12	24.00	
HIGH			QPSK	23.22	23.21	23.13	24.00	
25		LOW	QPSK	22.29	22.25	22.16	23.00	
		MID	QPSK	22.38	22.28	22.27	23.00	
		HIGH	QPSK	22.30	22.29	22.26	23.00	
50	LOW	QPSK	22.33	22.27	22.19	23.00		
10	1	LOW	Q16	22.30	22.16	22.62	23.00	
		MID	Q16	22.18	22.19	22.60	23.00	
		HIGH	Q16	22.24	22.13	22.61	23.00	
	25	LOW	Q16	21.37	21.33	21.29	22.00	
		MID	Q16	21.46	21.30	21.19	22.00	
		HIGH	Q16	21.46	21.39	21.38	22.00	
50	LOW	Q16	21.41	21.24	21.27	22.00		
10	1	LOW	64QAM	21.50	21.12	21.66	22.00	
		MID	64QAM	21.40	21.39	21.55	22.00	
		HIGH	64QAM	21.22	21.44	21.92	22.00	
	25	LOW	64QAM	20.59	20.53	20.36	21.00	
		MID	64QAM	20.72	20.35	20.20	21.00	
		HIGH	64QAM	20.70	20.70	20.45	21.00	
50	LOW	64QAM	20.40	20.23	20.58	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	22.17	22.34	22.14	23.00	
		MID	QPSK	22.03	22.15	22.24	23.00	
		HIGH	QPSK	22.22	22.10	22.02	23.00	
	3	LOW	QPSK	22.03	22.37	22.32	23.00	
		MID	QPSK	22.49	22.38	22.39	23.00	
		HIGH	QPSK	22.36	22.20	22.17	23.00	
	6	LOW	QPSK	22.34	22.10	22.41	23.00	
	1.4	1	LOW	Q16	22.28	22.39	22.13	23.00
			MID	Q16	22.13	22.47	21.83	23.00
HIGH			Q16	22.15	22.26	22.19	23.00	
3		LOW	Q16	21.25	21.46	21.12	22.00	
		MID	Q16	21.42	21.34	21.12	22.00	
		HIGH	Q16	21.22	21.20	21.30	22.00	
6		LOW	Q16	21.28	21.17	21.26	22.00	
1.4		1	LOW	64QAM	20.91	21.62	21.14	22.00
			MID	64QAM	21.32	21.74	21.58	22.00
	HIGH		64QAM	21.38	21.58	21.11	22.00	
	3	LOW	64QAM	20.93	21.77	21.18	22.00	
		MID	64QAM	21.14	21.57	21.63	22.00	
		HIGH	64QAM	21.47	21.67	21.09	22.00	
	6	LOW	64QAM	20.39	20.39	20.10	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	22.31	22.23	22.03	23.00
MID			QPSK	22.23	22.17	21.98	23.00	
HIGH			QPSK	22.16	22.12	22.15	23.00	
8		LOW	QPSK	22.28	22.33	22.09	23.00	
		MID	QPSK	22.24	22.18	22.12	23.00	
		HIGH	QPSK	22.47	22.40	22.40	23.00	
15	LOW	QPSK	22.37	22.32	22.10	23.00		
3	1	LOW	Q16	22.17	22.50	22.02	23.00	
		MID	Q16	22.06	22.47	22.16	23.00	
		HIGH	Q16	22.40	22.22	21.88	23.00	
	8	LOW	Q16	21.35	21.20	21.22	22.00	
		MID	Q16	21.61	21.19	20.85	22.00	
		HIGH	Q16	21.44	21.45	21.38	22.00	
15	LOW	Q16	21.37	20.90	21.01	22.00		
3	1	LOW	64QAM	21.10	21.64	21.14	22.00	
		MID	64QAM	21.43	21.72	21.34	22.00	
		HIGH	64QAM	21.23	21.54	21.28	22.00	
	8	LOW	64QAM	20.29	20.69	20.15	21.00	
		MID	64QAM	20.32	20.35	20.20	21.00	
		HIGH	64QAM	20.19	20.29	20.27	21.00	
15	LOW	64QAM	20.29	20.37	20.14	21.00		

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	22.33	22.19	22.21	23.00	
		MID	QPSK	22.25	22.03	21.98	23.00	
		HIGH	QPSK	22.11	21.90	22.20	23.00	
	12	LOW	QPSK	22.17	22.10	22.27	23.00	
		MID	QPSK	22.47	22.14	22.08	23.00	
		HIGH	QPSK	22.25	22.34	22.44	23.00	
	25	LOW	QPSK	22.19	22.37	22.34	23.00	
	5	1	LOW	Q16	22.10	22.57	22.07	23.00
			MID	Q16	22.09	22.32	21.87	23.00
HIGH			Q16	22.27	22.24	22.06	23.00	
12		LOW	Q16	21.33	21.40	21.44	22.00	
		MID	Q16	21.33	21.11	20.95	22.00	
		HIGH	Q16	21.39	21.30	21.30	22.00	
25		LOW	Q16	21.39	21.15	20.95	22.00	
5		1	LOW	64QAM	21.21	21.64	21.14	22.00
			MID	64QAM	21.34	21.65	21.54	22.00
	HIGH		64QAM	21.53	21.74	21.09	22.00	
	12	LOW	64QAM	20.21	20.47	20.37	21.00	
		MID	64QAM	20.51	20.39	20.14	21.00	
		HIGH	64QAM	20.19	20.53	20.39	21.00	
	25	LOW	64QAM	20.35	20.27	20.16	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	22.24	22.23	22.21	23.00
MID			QPSK	22.23	22.19	22.22	23.00	
HIGH			QPSK	22.29	22.14	22.22	23.00	
25		LOW	QPSK	22.28	22.26	22.25	23.00	
		MID	QPSK	22.40	22.34	22.30	23.00	
		HIGH	QPSK	22.38	22.38	22.33	23.00	
50	LOW	QPSK	22.41	22.30	22.30	23.00		
10	1	LOW	Q16	22.17	22.48	22.20	23.00	
		MID	Q16	22.02	22.43	22.05	23.00	
		HIGH	Q16	22.31	22.33	22.10	23.00	
	25	LOW	Q16	21.31	21.44	21.33	22.00	
		MID	Q16	21.57	21.34	21.06	22.00	
		HIGH	Q16	21.35	21.41	21.47	22.00	
50	LOW	Q16	21.41	21.09	21.18	22.00		
10	1	LOW	64QAM	21.10	21.86	21.14	22.00	
		MID	64QAM	21.43	21.87	21.58	22.00	
		HIGH	64QAM	21.44	21.67	21.30	22.00	
	25	LOW	64QAM	20.33	20.61	20.35	21.00	
		MID	64QAM	20.53	20.37	20.14	21.00	
		HIGH	64QAM	20.37	20.47	20.47	21.00	
50	LOW	64QAM	20.41	20.33	20.28	21.00		

LTE B12-State 17 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.10	22.91	23.09	24.00	
		MID	QPSK	23.12	22.93	22.78	24.00	
		HIGH	QPSK	22.94	23.15	22.98	24.00	
	3	LOW	QPSK	22.60	23.17	22.70	24.00	
		MID	QPSK	22.94	22.93	23.10	24.00	
		HIGH	QPSK	23.09	22.66	22.66	24.00	
	6	LOW	QPSK	22.16	21.91	21.99	23.00	
	1.4	1	LOW	Q16	22.13	22.02	22.26	23.00
			MID	Q16	21.94	21.91	22.31	23.00
HIGH			Q16	21.85	21.97	22.39	23.00	
3		LOW	Q16	21.95	21.90	22.28	23.00	
		MID	Q16	22.12	21.73	22.22	23.00	
		HIGH	Q16	21.72	21.84	22.48	23.00	
6		LOW	Q16	21.03	21.02	21.13	22.00	
1.4		1	LOW	64QAM	21.38	20.92	21.40	22.00
			MID	64QAM	21.23	21.22	21.42	22.00
	HIGH		64QAM	20.89	21.35	21.74	22.00	
	3	LOW	64QAM	21.34	20.94	21.55	22.00	
		MID	64QAM	21.02	21.22	21.18	22.00	
		HIGH	64QAM	21.04	20.90	21.66	22.00	
	6	LOW	64QAM	20.11	20.11	20.37	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	23.17	22.89	22.75	24.00
MID			QPSK	22.98	23.02	23.05	24.00	
HIGH			QPSK	22.85	22.87	23.03	24.00	
8		LOW	QPSK	22.03	21.92	21.82	23.00	
		MID	QPSK	22.19	22.20	21.87	23.00	
		HIGH	QPSK	22.10	21.95	22.15	23.00	
15		LOW	QPSK	22.20	22.20	22.14	23.00	
3		1	LOW	Q16	21.93	22.04	22.42	23.00
			MID	Q16	22.16	22.06	22.48	23.00
	HIGH		Q16	22.16	21.93	22.36	23.00	
	8	LOW	Q16	21.04	21.13	20.89	22.00	
		MID	Q16	21.11	21.03	20.87	22.00	
		HIGH	Q16	21.19	21.14	21.03	22.00	
	15	LOW	Q16	21.26	20.96	21.11	22.00	
	3	1	LOW	64QAM	21.23	20.88	21.61	22.00
			MID	64QAM	21.06	21.22	21.59	22.00
HIGH			64QAM	21.04	21.28	21.70	22.00	
8		LOW	64QAM	20.45	20.39	20.10	21.00	
		MID	64QAM	20.40	20.25	19.97	21.00	
		HIGH	64QAM	20.51	20.38	20.40	21.00	
15		LOW	64QAM	20.39	20.15	20.43	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	23.01	22.94	22.91	24.00	
		MID	QPSK	23.10	23.19	22.73	24.00	
		HIGH	QPSK	23.18	22.91	22.98	24.00	
	12	LOW	QPSK	21.99	21.87	21.78	23.00	
		MID	QPSK	22.21	22.17	22.02	23.00	
		HIGH	QPSK	22.03	22.26	22.02	23.00	
	25	LOW	QPSK	22.00	22.24	21.92	23.00	
	5	1	LOW	Q16	21.96	22.13	22.48	23.00
			MID	Q16	22.07	22.15	22.44	23.00
HIGH			Q16	21.90	22.08	22.45	23.00	
12		LOW	Q16	21.34	21.15	20.97	22.00	
		MID	Q16	21.41	21.33	21.10	22.00	
		HIGH	Q16	21.15	21.28	21.01	22.00	
25		LOW	Q16	21.22	20.96	21.07	22.00	
5		1	LOW	64QAM	21.21	21.05	21.44	22.00
			MID	64QAM	21.25	21.03	21.66	22.00
	HIGH		64QAM	21.04	21.05	21.61	22.00	
	12	LOW	64QAM	20.33	20.33	20.04	21.00	
		MID	64QAM	20.59	20.33	20.09	21.00	
		HIGH	64QAM	20.49	20.54	20.34	21.00	
	25	LOW	64QAM	20.33	20.27	20.21	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	23.08	23.03	23.00	24.00
MID			QPSK	23.05	23.07	22.96	24.00	
HIGH			QPSK	23.06	23.03	22.98	24.00	
25		LOW	QPSK	22.10	22.05	22.02	23.00	
		MID	QPSK	22.21	22.13	22.11	23.00	
		HIGH	QPSK	22.19	22.17	22.13	23.00	
50	LOW	QPSK	22.16	22.13	22.03	23.00		
10	1	LOW	Q16	22.11	22.15	22.46	23.00	
		MID	Q16	22.14	22.04	22.44	23.00	
		HIGH	Q16	22.05	22.06	22.43	23.00	
	25	LOW	Q16	21.23	21.19	21.10	22.00	
		MID	Q16	21.30	21.22	21.06	22.00	
		HIGH	Q16	21.30	21.22	21.20	22.00	
50	LOW	Q16	21.24	21.13	21.11	22.00		
10	1	LOW	64QAM	21.42	21.11	21.55	22.00	
		MID	64QAM	21.19	21.22	21.55	22.00	
		HIGH	64QAM	21.12	21.26	21.70	22.00	
	25	LOW	64QAM	20.39	20.39	20.26	21.00	
		MID	64QAM	20.61	20.31	20.11	21.00	
		HIGH	64QAM	20.59	20.48	20.36	21.00	
	50	LOW	64QAM	20.31	20.25	20.33	21.00	

LTE B12-State 18 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.10	22.91	23.09	24.00	
		MID	QPSK	23.12	22.93	22.78	24.00	
		HIGH	QPSK	22.94	23.15	22.98	24.00	
	3	LOW	QPSK	22.60	23.17	22.70	24.00	
		MID	QPSK	22.94	22.93	23.10	24.00	
		HIGH	QPSK	23.09	22.66	22.66	24.00	
	6	LOW	QPSK	22.16	21.91	21.99	23.00	
	1.4	1	LOW	Q16	22.13	22.02	22.26	23.00
			MID	Q16	21.94	21.91	22.31	23.00
HIGH			Q16	21.85	21.97	22.39	23.00	
3		LOW	Q16	21.95	21.90	22.28	23.00	
		MID	Q16	22.12	21.73	22.22	23.00	
		HIGH	Q16	21.72	21.84	22.48	23.00	
6		LOW	Q16	21.03	21.02	21.13	22.00	
1.4		1	LOW	64QAM	21.38	20.92	21.40	22.00
			MID	64QAM	21.23	21.22	21.42	22.00
	HIGH		64QAM	20.89	21.35	21.74	22.00	
	3	LOW	64QAM	21.34	20.94	21.55	22.00	
		MID	64QAM	21.02	21.22	21.18	22.00	
		HIGH	64QAM	21.04	20.90	21.66	22.00	
	6	LOW	64QAM	20.11	20.11	20.37	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	23.17	22.89	22.75	24.00
MID			QPSK	22.98	23.02	23.05	24.00	
HIGH			QPSK	22.85	22.87	23.03	24.00	
8		LOW	QPSK	22.03	21.92	21.82	23.00	
		MID	QPSK	22.19	22.20	21.87	23.00	
		HIGH	QPSK	22.10	21.95	22.15	23.00	
15		LOW	QPSK	22.20	22.20	22.14	23.00	
3		1	LOW	Q16	21.93	22.04	22.42	23.00
			MID	Q16	22.16	22.06	22.48	23.00
	HIGH		Q16	22.16	21.93	22.36	23.00	
	8	LOW	Q16	21.04	21.13	20.89	22.00	
		MID	Q16	21.11	21.03	20.87	22.00	
		HIGH	Q16	21.19	21.14	21.03	22.00	
	15	LOW	Q16	21.26	20.96	21.11	22.00	
	3	1	LOW	64QAM	21.23	20.88	21.61	22.00
			MID	64QAM	21.06	21.22	21.59	22.00
HIGH			64QAM	21.04	21.28	21.70	22.00	
8		LOW	64QAM	20.45	20.39	20.10	21.00	
		MID	64QAM	20.40	20.25	19.97	21.00	
		HIGH	64QAM	20.51	20.38	20.40	21.00	
15		LOW	64QAM	20.39	20.15	20.43	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	23.01	22.94	22.91	24.00	
		MID	QPSK	23.10	23.19	22.73	24.00	
		HIGH	QPSK	23.18	22.91	22.98	24.00	
	12	LOW	QPSK	21.99	21.87	21.78	23.00	
		MID	QPSK	22.21	22.17	22.02	23.00	
		HIGH	QPSK	22.03	22.26	22.02	23.00	
	25	LOW	QPSK	22.00	22.24	21.92	23.00	
	5	1	LOW	Q16	21.96	22.13	22.48	23.00
			MID	Q16	22.07	22.15	22.44	23.00
HIGH			Q16	21.90	22.08	22.45	23.00	
12		LOW	Q16	21.34	21.15	20.97	22.00	
		MID	Q16	21.41	21.33	21.10	22.00	
		HIGH	Q16	21.15	21.28	21.01	22.00	
25		LOW	Q16	21.22	20.96	21.07	22.00	
5		1	LOW	64QAM	21.21	21.05	21.44	22.00
			MID	64QAM	21.25	21.03	21.66	22.00
	HIGH		64QAM	21.04	21.05	21.61	22.00	
	12	LOW	64QAM	20.33	20.33	20.04	21.00	
		MID	64QAM	20.59	20.33	20.09	21.00	
		HIGH	64QAM	20.49	20.54	20.34	21.00	
	25	LOW	64QAM	20.33	20.27	20.21	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	23.08	23.03	23.00	24.00
MID			QPSK	23.05	23.07	22.96	24.00	
HIGH			QPSK	23.06	23.03	22.98	24.00	
25		LOW	QPSK	22.10	22.05	22.02	23.00	
		MID	QPSK	22.21	22.13	22.11	23.00	
		HIGH	QPSK	22.19	22.17	22.13	23.00	
50	LOW	QPSK	22.16	22.13	22.03	23.00		
10	1	LOW	Q16	22.11	22.15	22.46	23.00	
		MID	Q16	22.14	22.04	22.44	23.00	
		HIGH	Q16	22.05	22.06	22.43	23.00	
	25	LOW	Q16	21.23	21.19	21.10	22.00	
		MID	Q16	21.30	21.22	21.06	22.00	
		HIGH	Q16	21.30	21.22	21.20	22.00	
50	LOW	Q16	21.24	21.13	21.11	22.00		
10	1	LOW	64QAM	21.42	21.11	21.55	22.00	
		MID	64QAM	21.19	21.22	21.55	22.00	
		HIGH	64QAM	21.12	21.26	21.70	22.00	
	25	LOW	64QAM	20.39	20.39	20.26	21.00	
		MID	64QAM	20.61	20.31	20.11	21.00	
		HIGH	64QAM	20.59	20.48	20.36	21.00	
	50	LOW	64QAM	20.31	20.25	20.33	21.00	

8.3.4 LTE Band17 Output Power

LTE B17-State 17 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	23.05	22.96	23.12	24.00	
		MID	QPSK	22.96	23.12	22.93	24.00	
		HIGH	QPSK	23.13	23.27	23.27	24.00	
	12	LOW	QPSK	22.18	22.19	22.23	23.00	
		MID	QPSK	22.27	22.22	22.19	23.00	
		HIGH	QPSK	22.29	22.38	22.34	23.00	
	25	LOW	QPSK	22.13	22.14	22.27	23.00	
	5	1	LOW	Q16	22.55	22.00	22.26	23.00
			MID	Q16	22.50	21.95	22.11	23.00
HIGH			Q16	22.53	22.16	21.90	23.00	
12		LOW	Q16	21.34	21.25	21.12	22.00	
		MID	Q16	21.20	21.37	21.16	22.00	
		HIGH	Q16	21.29	21.42	21.13	22.00	
25		LOW	Q16	21.12	21.43	21.07	22.00	
5		1	LOW	64QAM	21.42	20.99	21.41	22.00
			MID	64QAM	21.42	21.05	20.94	22.00
	HIGH		64QAM	21.52	21.50	21.07	22.00	
	12	LOW	64QAM	20.50	20.28	20.37	21.00	
		MID	64QAM	20.69	20.56	20.24	21.00	
		HIGH	64QAM	20.34	20.47	20.39	21.00	
	25	LOW	64QAM	20.38	20.58	20.21	21.00	
	10	1	LOW	QPSK	23.17	23.19	23.12	24.00
			MID	QPSK	23.08	23.14	23.18	24.00
HIGH			QPSK	23.08	23.15	23.15	24.00	
LOW			QPSK	22.16	22.23	22.16	23.00	
MID			QPSK	22.29	22.31	22.30	23.00	
HIGH			QPSK	22.29	22.29	22.27	23.00	
25		LOW	QPSK	22.29	22.30	22.25	23.00	
		LOW	Q16	22.64	22.22	22.15	23.00	
		MID	Q16	22.55	22.17	22.11	23.00	
10		1	HIGH	Q16	22.58	22.23	22.05	23.00
			LOW	Q16	21.30	21.31	21.27	22.00
			MID	Q16	21.39	21.39	21.37	22.00
		25	HIGH	Q16	21.35	21.36	21.32	22.00
			LOW	Q16	21.33	21.32	21.30	22.00
			LOW	64QAM	21.61	21.22	21.39	22.00
10		1	MID	64QAM	21.64	21.26	21.13	22.00
			HIGH	64QAM	21.58	21.52	21.03	22.00
			LOW	64QAM	20.54	20.40	20.49	21.00
	25	MID	64QAM	20.65	20.50	20.44	21.00	
		HIGH	64QAM	20.57	20.47	20.29	21.00	
		LOW	64QAM	20.44	20.48	20.41	21.00	

LTE B17-State 18 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	22.23	21.98	22.06	23.00	
		MID	QPSK	21.99	22.33	21.97	23.00	
		HIGH	QPSK	22.12	22.02	22.00	23.00	
	12	LOW	QPSK	22.37	22.30	22.02	23.00	
		MID	QPSK	22.30	22.32	22.21	23.00	
		HIGH	QPSK	22.32	22.21	22.28	23.00	
	25	LOW	QPSK	22.27	22.17	22.24	23.00	
	5	1	LOW	Q16	22.16	22.24	22.16	23.00
			MID	Q16	22.08	22.20	22.03	23.00
HIGH			Q16	22.24	21.93	22.07	23.00	
12		LOW	Q16	21.14	21.05	21.34	22.00	
		MID	Q16	21.53	21.30	21.38	22.00	
		HIGH	Q16	21.45	21.25	21.26	22.00	
25		LOW	Q16	21.44	21.43	21.44	22.00	
5		1	LOW	64QAM	21.30	21.32	21.61	22.00
			MID	64QAM	21.36	20.86	20.90	22.00
	HIGH		64QAM	21.47	21.22	21.20	22.00	
	12	LOW	64QAM	20.44	20.26	20.23	21.00	
		MID	64QAM	20.52	20.38	20.42	21.00	
		HIGH	64QAM	20.55	20.21	20.21	21.00	
	25	LOW	64QAM	20.32	20.58	20.43	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
	10	1	LOW	QPSK	22.25	22.18	22.19	23.00
MID			QPSK	22.21	22.22	22.12	23.00	
HIGH			QPSK	22.19	22.24	22.20	23.00	
25		LOW	QPSK	22.28	22.19	22.24	23.00	
		MID	QPSK	22.39	22.30	22.37	23.00	
		HIGH	QPSK	22.30	22.32	22.28	23.00	
50	LOW	QPSK	22.34	22.33	22.31	23.00		
10	1	LOW	Q16	22.27	22.28	22.23	23.00	
		MID	Q16	22.24	22.16	22.23	23.00	
		HIGH	Q16	22.20	22.11	22.27	23.00	
	25	LOW	Q16	21.35	21.28	21.32	22.00	
		MID	Q16	21.47	21.41	21.36	22.00	
		HIGH	Q16	21.45	21.36	21.41	22.00	
50	LOW	Q16	21.42	21.37	21.38	22.00		
10	1	LOW	64QAM	21.52	21.24	21.50	22.00	
		MID	64QAM	21.60	21.03	21.05	22.00	
		HIGH	64QAM	21.69	21.33	21.14	22.00	
	25	LOW	64QAM	20.40	20.20	20.33	21.00	
		MID	64QAM	20.42	20.48	20.52	21.00	
		HIGH	64QAM	20.61	20.29	20.25	21.00	
50	LOW	64QAM	20.22	20.50	20.37	21.00		

LTE B17-State 17 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	23.15	22.78	22.85	24.00	
		MID	QPSK	23.02	23.09	22.95	24.00	
		HIGH	QPSK	22.80	22.98	23.01	24.00	
	12	LOW	QPSK	21.97	22.12	21.82	23.00	
		MID	QPSK	21.97	22.24	22.02	23.00	
		HIGH	QPSK	22.16	21.95	21.87	23.00	
	25	LOW	QPSK	22.08	22.13	22.14	23.00	
	5	1	LOW	Q16	21.96	21.87	21.86	22.00
			MID	Q16	21.81	21.78	21.70	22.00
HIGH			Q16	21.73	21.63	21.80	22.00	
12		LOW	Q16	20.94	21.06	21.12	22.00	
		MID	Q16	21.02	21.04	21.14	22.00	
		HIGH	Q16	20.91	21.04	21.04	22.00	
25		LOW	Q16	21.25	21.25	20.91	22.00	
5		1	LOW	64QAM	21.20	20.96	21.11	22.00
			MID	64QAM	20.87	21.06	20.97	22.00
	HIGH		64QAM	20.88	20.80	20.66	22.00	
	12	LOW	64QAM	20.22	20.12	20.28	21.00	
		MID	64QAM	20.23	20.58	20.26	21.00	
		HIGH	64QAM	19.93	20.08	20.06	21.00	
	25	LOW	64QAM	20.12	20.27	20.29	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
	10	1	LOW	QPSK	23.03	23.01	22.94	24.00
MID			QPSK	22.97	22.98	23.00	24.00	
HIGH			QPSK	22.91	22.98	22.99	24.00	
25		LOW	QPSK	22.06	22.03	22.02	23.00	
		MID	QPSK	22.15	22.13	22.11	23.00	
		HIGH	QPSK	22.12	22.10	22.05	23.00	
50	LOW	QPSK	22.16	22.09	22.14	23.00		
10	1	LOW	Q16	21.89	21.85	21.93	22.00	
		MID	Q16	21.81	21.82	21.92	22.00	
		HIGH	Q16	21.80	21.85	21.87	22.00	
	25	LOW	Q16	21.11	21.12	21.10	22.00	
		MID	Q16	21.17	21.25	21.16	22.00	
		HIGH	Q16	21.12	21.21	21.15	22.00	
50	LOW	Q16	21.19	21.21	21.12	22.00		
10	1	LOW	64QAM	21.20	20.94	21.11	22.00	
		MID	64QAM	21.10	21.00	21.03	22.00	
		HIGH	64QAM	20.98	21.01	20.83	22.00	
	25	LOW	64QAM	20.42	20.24	20.26	21.00	
		MID	64QAM	20.35	20.54	20.40	21.00	
		HIGH	64QAM	20.11	20.22	20.22	21.00	
50	LOW	64QAM	20.16	20.39	20.43	21.00		

LTE B17-State 18 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	23.15	22.78	22.85	24.00	
		MID	QPSK	23.02	23.09	22.95	24.00	
		HIGH	QPSK	22.80	22.98	23.01	24.00	
	12	LOW	QPSK	21.97	22.12	21.82	23.00	
		MID	QPSK	21.97	22.24	22.02	23.00	
		HIGH	QPSK	22.16	21.95	21.87	23.00	
	25	LOW	QPSK	22.08	22.13	22.14	23.00	
	5	1	LOW	Q16	21.96	21.87	21.86	22.00
			MID	Q16	21.81	21.78	21.70	22.00
HIGH			Q16	21.73	21.63	21.80	22.00	
12		LOW	Q16	20.94	21.06	21.12	22.00	
		MID	Q16	21.02	21.04	21.14	22.00	
		HIGH	Q16	20.91	21.04	21.04	22.00	
25		LOW	Q16	21.25	21.25	20.91	22.00	
5		1	LOW	64QAM	21.20	20.96	21.11	22.00
			MID	64QAM	20.87	21.06	20.97	22.00
	HIGH		64QAM	20.88	20.80	20.66	22.00	
	12	LOW	64QAM	20.22	20.12	20.28	21.00	
		MID	64QAM	20.23	20.58	20.26	21.00	
		HIGH	64QAM	19.93	20.08	20.06	21.00	
	25	LOW	64QAM	20.12	20.27	20.29	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
	10	1	LOW	QPSK	23.03	23.01	22.94	24.00
MID			QPSK	22.97	22.98	23.00	24.00	
HIGH			QPSK	22.91	22.98	22.99	24.00	
25		LOW	QPSK	22.06	22.03	22.02	23.00	
		MID	QPSK	22.15	22.13	22.11	23.00	
		HIGH	QPSK	22.12	22.10	22.05	23.00	
50	LOW	QPSK	22.16	22.09	22.14	23.00		
10	1	LOW	Q16	21.89	21.85	21.93	22.00	
		MID	Q16	21.81	21.82	21.92	22.00	
		HIGH	Q16	21.80	21.85	21.87	22.00	
	25	LOW	Q16	21.11	21.12	21.10	22.00	
		MID	Q16	21.17	21.25	21.16	22.00	
		HIGH	Q16	21.12	21.21	21.15	22.00	
50	LOW	Q16	21.19	21.21	21.12	22.00		
10	1	LOW	64QAM	21.20	20.94	21.11	22.00	
		MID	64QAM	21.10	21.00	21.03	22.00	
		HIGH	64QAM	20.98	21.01	20.83	22.00	
	25	LOW	64QAM	20.42	20.24	20.26	21.00	
		MID	64QAM	20.35	20.54	20.40	21.00	
		HIGH	64QAM	20.11	20.22	20.22	21.00	
50	LOW	64QAM	20.16	20.39	20.43	21.00		

8.3.5 LTE Band26 Output Power

LTE B26-State 17 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	24.11	23.90	23.92	24.90	
		MID	QPSK	24.12	23.96	23.95	24.90	
		HIGH	QPSK	24.10	24.07	23.93	24.90	
	3	LOW	QPSK	24.30	23.93	24.07	24.90	
		MID	QPSK	23.93	23.67	24.12	24.90	
		HIGH	QPSK	23.76	23.99	23.78	24.90	
	6	LOW	QPSK	23.32	22.94	23.24	23.90	
	1.4	1	LOW	Q16	23.09	23.58	23.47	23.90
			MID	Q16	23.14	23.50	23.36	23.90
HIGH			Q16	23.11	23.38	23.17	23.90	
3		LOW	Q16	23.08	23.20	23.58	23.90	
		MID	Q16	23.00	23.62	23.36	23.90	
		HIGH	Q16	22.96	23.52	23.12	23.90	
6		LOW	Q16	22.34	21.95	22.07	22.90	
1.4		1	LOW	64QAM	22.54	22.55	22.41	22.90
			MID	64QAM	22.16	22.74	22.40	22.90
	HIGH		64QAM	21.99	22.68	22.48	22.90	
	3	LOW	64QAM	22.29	22.50	22.55	22.90	
		MID	64QAM	22.18	22.40	22.21	22.90	
		HIGH	64QAM	21.96	22.84	22.05	22.90	
	6	LOW	64QAM	21.43	21.41	21.34	21.90	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	24.11	24.14	23.97	24.90
MID			QPSK	23.91	24.08	23.85	24.90	
HIGH			QPSK	23.88	24.04	23.98	24.90	
8		LOW	QPSK	23.16	23.28	23.10	23.90	
		MID	QPSK	23.18	23.20	22.92	23.90	
		HIGH	QPSK	23.33	23.18	23.14	23.90	
15		LOW	QPSK	23.20	23.10	22.91	23.90	
3		1	LOW	Q16	22.93	23.27	23.65	23.90
			MID	Q16	22.98	23.64	23.36	23.90
	HIGH		Q16	22.92	23.54	23.10	23.90	
	8	LOW	Q16	22.03	22.11	22.19	22.90	
		MID	Q16	22.28	22.11	22.23	22.90	
		HIGH	Q16	22.18	22.21	22.11	22.90	
	15	LOW	Q16	22.01	21.95	22.12	22.90	
	3	1	LOW	64QAM	22.29	22.69	22.37	22.90
			MID	64QAM	22.27	22.56	22.51	22.90
HIGH			64QAM	22.03	22.59	22.35	22.90	
8		LOW	64QAM	21.24	21.29	21.00	21.90	
		MID	64QAM	21.16	21.53	21.39	21.90	
		HIGH	64QAM	21.26	21.32	21.51	21.90	
15		LOW	64QAM	21.23	21.41	21.45	21.90	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)	
5	1	LOW	QPSK	23.96	23.93	24.24	24.90	
		MID	QPSK	23.83	24.05	24.00	24.90	
		HIGH	QPSK	23.98	24.11	23.74	24.90	
	12	LOW	QPSK	23.02	22.96	23.24	23.90	
		MID	QPSK	23.18	22.96	23.25	23.90	
		HIGH	QPSK	23.17	23.20	23.02	23.90	
	25	LOW	QPSK	22.99	23.12	22.94	23.90	
	5	1	LOW	Q16	23.16	23.58	23.35	23.90
			MID	Q16	22.86	23.57	23.45	23.90
HIGH			Q16	22.81	23.50	23.43	23.90	
12		LOW	Q16	22.08	22.15	22.13	22.90	
		MID	Q16	22.13	22.02	22.19	22.90	
		HIGH	Q16	22.07	22.05	22.00	22.90	
25		LOW	Q16	22.34	22.10	22.16	22.90	
5		1	LOW	64QAM	22.43	22.53	22.46	22.90
			MID	64QAM	22.04	22.53	22.31	22.90
	HIGH		64QAM	21.88	22.61	22.32	22.90	
	12	LOW	64QAM	21.20	21.29	20.90	21.90	
		MID	64QAM	21.31	21.49	21.11	21.90	
		HIGH	64QAM	21.36	21.35	21.54	21.90	
	25	LOW	64QAM	21.58	21.32	21.40	21.90	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
	10	1	LOW	QPSK	24.20	23.93	24.02	24.90
MID			QPSK	23.98	24.08	23.88	24.90	
HIGH			QPSK	23.85	24.04	24.10	24.90	
25		LOW	QPSK	23.00	23.24	23.27	23.90	
		MID	QPSK	23.35	23.03	22.94	23.90	
		HIGH	QPSK	23.36	23.25	23.19	23.90	
50		LOW	QPSK	23.27	23.26	22.91	23.90	
10		1	LOW	Q16	23.16	23.29	23.35	23.90
			MID	Q16	22.91	23.64	23.52	23.90
	HIGH		Q16	23.06	23.36	23.36	23.90	
	25	LOW	Q16	22.25	22.04	21.95	22.90	
		MID	Q16	22.11	22.09	21.97	22.90	
		HIGH	Q16	22.12	22.21	22.25	22.90	
	50	LOW	Q16	22.05	21.99	22.21	22.90	
	10	1	LOW	64QAM	22.36	22.57	22.32	22.90
			MID	64QAM	22.36	22.53	22.46	22.90
HIGH			64QAM	22.01	22.75	22.39	22.90	
25		LOW	64QAM	21.30	21.18	20.96	21.90	
		MID	64QAM	21.28	21.45	21.34	21.90	
		HIGH	64QAM	21.45	21.26	21.49	21.90	
50		LOW	64QAM	21.32	21.22	21.30	21.90	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15		1	LOW	QPSK	24.13	24.17	24.19	24.90
	MID		QPSK	24.10	24.10	24.12	24.90	
	HIGH		QPSK	24.12	24.09	24.00	24.90	
	36	LOW	QPSK	23.16	23.19	23.15	23.90	
		MID	QPSK	23.23	23.15	23.13	23.90	
		HIGH	QPSK	23.24	23.25	23.26	23.90	
	75	LOW	QPSK	23.14	23.17	23.22	23.90	
	15	1	LOW	Q16	23.18	23.53	23.56	23.90
			MID	Q16	23.07	23.52	23.43	23.90
HIGH			Q16	23.06	23.52	23.31	23.90	
36		LOW	Q16	22.21	22.24	22.17	22.90	
		MID	Q16	22.24	22.18	22.12	22.90	
		HIGH	Q16	22.25	22.30	22.18	22.90	
75		LOW	Q16	22.25	22.19	22.14	22.90	
15		1	LOW	64QAM	22.47	22.78	22.50	22.90
			MID	64QAM	22.29	22.67	22.51	22.90
	HIGH		64QAM	22.03	22.84	22.39	22.90	
	36	LOW	64QAM	21.39	21.33	21.13	21.90	
		MID	64QAM	21.20	21.47	21.28	21.90	
		HIGH	64QAM	21.47	21.41	21.45	21.90	
	75	LOW	64QAM	21.47	21.41	21.34	21.90	

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	20.19	19.89	20.21	20.90	
		MID	QPSK	19.92	20.06	19.95	20.90	
		HIGH	QPSK	20.17	20.15	19.93	20.90	
	3	LOW	QPSK	20.28	20.13	20.05	20.90	
		MID	QPSK	20.28	20.29	20.11	20.90	
		HIGH	QPSK	20.35	20.17	20.19	20.90	
	6	LOW	QPSK	20.25	20.03	20.02	20.90	
	1.4	1	LOW	Q16	20.22	20.19	20.43	20.90
			MID	Q16	20.11	20.31	20.40	20.90
HIGH			Q16	20.10	20.26	20.28	20.90	
3		LOW	Q16	20.07	20.18	19.98	20.90	
		MID	Q16	20.13	20.10	20.14	20.90	
		HIGH	Q16	20.18	20.34	20.14	20.90	
6		LOW	Q16	20.06	20.23	20.23	20.90	
1.4		1	LOW	64QAM	19.96	20.35	20.35	20.90
			MID	64QAM	20.03	20.21	20.32	20.90
	HIGH		64QAM	20.12	20.16	20.16	20.90	
	3	LOW	64QAM	20.09	20.32	20.08	20.90	
		MID	64QAM	20.07	20.22	20.24	20.90	
		HIGH	64QAM	20.22	20.08	20.10	20.90	
	6	LOW	64QAM	20.28	20.07	20.09	20.90	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	20.01	19.95	20.13	20.90
MID			QPSK	19.98	20.12	20.05	20.90	
HIGH			QPSK	20.07	20.09	20.11	20.90	
8		LOW	QPSK	20.10	20.27	20.29	20.90	
		MID	QPSK	20.08	20.23	20.05	20.90	
		HIGH	QPSK	20.19	20.33	20.07	20.90	
15		LOW	QPSK	20.15	20.09	20.22	20.90	
3		1	LOW	Q16	20.08	20.27	20.53	20.90
			MID	Q16	20.03	20.21	20.26	20.90
	HIGH		Q16	20.22	20.16	20.40	20.90	
	8	LOW	Q16	20.11	20.08	20.04	20.90	
		MID	Q16	20.17	20.20	19.98	20.90	
		HIGH	Q16	20.36	20.16	20.24	20.90	
	15	LOW	Q16	20.12	20.17	20.29	20.90	
	3	1	LOW	64QAM	20.10	20.21	20.15	20.90
			MID	64QAM	19.99	20.13	20.18	20.90
HIGH			64QAM	20.28	20.16	20.18	20.90	
8		LOW	64QAM	19.93	20.30	19.98	20.90	
		MID	64QAM	20.21	20.06	19.94	20.90	
		HIGH	64QAM	20.04	20.28	20.00	20.90	
15		LOW	64QAM	20.14	20.19	19.99	20.90	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)	
5	1	LOW	QPSK	20.15	19.89	20.35	20.90	
		MID	QPSK	20.04	20.18	20.21	20.90	
		HIGH	QPSK	20.19	20.15	19.91	20.90	
	12	LOW	QPSK	20.00	20.03	20.23	20.90	
		MID	QPSK	20.04	20.03	20.07	20.90	
		HIGH	QPSK	20.07	20.09	20.05	20.90	
	25	LOW	QPSK	20.21	20.31	20.20	20.90	
	5	1	LOW	Q16	20.20	20.25	20.25	20.90
			MID	Q16	20.13	20.37	20.26	20.90
HIGH			Q16	20.08	20.22	20.24	20.90	
12		LOW	Q16	20.01	20.14	20.12	20.90	
		MID	Q16	20.17	20.06	20.10	20.90	
		HIGH	Q16	20.30	20.12	20.30	20.90	
25		LOW	Q16	20.38	20.25	20.09	20.90	
5		1	LOW	64QAM	20.12	20.11	20.43	20.90
			MID	64QAM	20.19	20.07	20.18	20.90
	HIGH		64QAM	20.06	20.18	20.04	20.90	
	12	LOW	64QAM	20.13	20.18	19.98	20.90	
		MID	64QAM	20.15	20.06	20.04	20.90	
		HIGH	64QAM	20.22	20.34	19.96	20.90	
	25	LOW	64QAM	20.12	20.11	19.97	20.90	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
	10	1	LOW	QPSK	20.03	20.09	20.23	20.90
MID			QPSK	20.06	20.10	20.23	20.90	
HIGH			QPSK	19.95	19.93	20.09	20.90	
25		LOW	QPSK	20.20	20.07	20.27	20.90	
		MID	QPSK	20.12	20.03	20.01	20.90	
		HIGH	QPSK	20.35	20.07	20.03	20.90	
50	LOW	QPSK	20.29	20.17	20.12	20.90		
10	1	LOW	Q16	20.08	20.45	20.43	20.90	
		MID	Q16	19.97	20.37	20.38	20.90	
		HIGH	Q16	20.08	20.30	20.20	20.90	
	25	LOW	Q16	20.07	20.32	20.26	20.90	
		MID	Q16	20.27	20.02	20.26	20.90	
		HIGH	Q16	20.26	20.10	20.02	20.90	
50	LOW	Q16	20.22	20.03	20.27	20.90		
10	1	LOW	64QAM	20.10	20.33	20.43	20.90	
		MID	64QAM	19.99	20.27	20.48	20.90	
		HIGH	64QAM	20.06	20.10	20.14	20.90	
	25	LOW	64QAM	20.07	20.28	20.16	20.90	
		MID	64QAM	20.19	20.12	20.20	20.90	
		HIGH	64QAM	20.18	20.08	20.04	20.90	
50	LOW	64QAM	20.26	20.27	20.05	20.90		
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)	
15	1	LOW	QPSK	20.19	20.11	20.25	20.90	
		MID	QPSK	20.10	20.12	20.15	20.90	
		HIGH	QPSK	20.11	20.09	20.03	20.90	
	36	LOW	QPSK	20.22	20.21	20.21	20.90	
		MID	QPSK	20.24	20.19	20.17	20.90	
		HIGH	QPSK	20.27	20.25	20.31	20.90	
75	LOW	QPSK	20.15	20.21	20.26	20.90		
15	1	LOW	Q16	20.22	20.37	20.45	20.90	
		MID	Q16	20.07	20.39	20.38	20.90	
		HIGH	Q16	20.18	20.36	20.40	20.90	
	36	LOW	Q16	20.21	20.26	20.20	20.90	
		MID	Q16	20.23	20.24	20.16	20.90	
		HIGH	Q16	20.30	20.30	20.24	20.90	
	75	LOW	Q16	20.28	20.23	20.19	20.90	
	15	1	LOW	64QAM	20.04	20.25	20.37	20.90
			MID	64QAM	20.15	20.19	20.40	20.90
HIGH			64QAM	20.18	20.20	20.26	20.90	
36		LOW	64QAM	20.15	20.30	20.08	20.90	
		MID	64QAM	20.21	20.20	20.16	20.90	
		HIGH	64QAM	20.16	20.24	20.06	20.90	
75	LOW	64QAM	20.34	20.23	20.17	20.90		

LTE B26-State 17 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.50	23.66	23.86	24.90	
		MID	QPSK	23.68	23.65	23.49	24.90	
		HIGH	QPSK	23.73	23.77	23.59	24.90	
	3	LOW	QPSK	23.58	23.59	23.41	24.90	
		MID	QPSK	23.37	23.55	23.42	24.90	
		HIGH	QPSK	23.59	23.44	23.63	24.90	
	6	LOW	QPSK	22.93	22.82	22.77	23.90	
	1.4	1	LOW	Q16	22.78	22.86	22.54	23.90
			MID	Q16	22.51	22.66	22.53	23.90
HIGH			Q16	22.56	22.74	22.58	23.90	
3		LOW	Q16	22.87	22.72	22.68	23.90	
		MID	Q16	22.65	22.48	22.55	23.90	
		HIGH	Q16	22.77	22.67	22.14	23.90	
6		LOW	Q16	21.90	21.67	21.73	22.90	
1.4		1	LOW	64QAM	22.14	22.03	21.81	22.90
			MID	64QAM	21.52	22.09	21.96	22.90
	HIGH		64QAM	21.72	21.74	21.55	22.90	
	3	LOW	64QAM	22.06	21.96	21.66	22.90	
		MID	64QAM	21.74	21.87	21.90	22.90	
		HIGH	64QAM	21.80	21.79	21.80	22.90	
	6	LOW	64QAM	21.04	21.10	20.78	21.90	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	23.65	23.64	23.64	24.90
MID			QPSK	23.73	23.79	23.78	24.90	
HIGH			QPSK	23.50	23.51	23.51	24.90	
8		LOW	QPSK	22.51	22.80	22.90	23.90	
		MID	QPSK	22.88	22.77	22.62	23.90	
		HIGH	QPSK	22.91	22.80	22.89	23.90	
15		LOW	QPSK	22.82	22.57	22.77	23.90	
3		1	LOW	Q16	22.53	22.61	22.61	23.90
			MID	Q16	22.54	22.50	22.53	23.90
	HIGH		Q16	22.54	22.77	22.58	23.90	
	8	LOW	Q16	21.71	21.90	21.81	22.90	
		MID	Q16	21.71	21.69	21.58	22.90	
		HIGH	Q16	21.66	21.90	21.69	22.90	
	15	LOW	Q16	21.70	21.78	21.84	22.90	
	3	1	LOW	64QAM	22.14	21.86	21.68	22.90
			MID	64QAM	21.70	22.11	21.68	22.90
HIGH			64QAM	21.59	21.80	21.68	22.90	
8		LOW	64QAM	21.08	20.83	21.02	21.90	
		MID	64QAM	20.78	20.95	20.85	21.90	
		HIGH	64QAM	20.84	21.04	20.93	21.90	
15		LOW	64QAM	20.90	20.85	20.99	21.90	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)	
5	1	LOW	QPSK	23.57	23.45	23.74	24.90	
		MID	QPSK	23.68	23.79	23.71	24.90	
		HIGH	QPSK	23.83	23.82	23.66	24.90	
	12	LOW	QPSK	22.49	22.55	22.74	23.90	
		MID	QPSK	22.86	22.61	22.65	23.90	
		HIGH	QPSK	22.91	22.92	22.82	23.90	
	25	LOW	QPSK	22.75	22.93	22.57	23.90	
	5	1	LOW	Q16	22.57	22.88	22.70	23.90
			MID	Q16	22.63	22.64	22.65	23.90
HIGH			Q16	22.61	22.63	22.46	23.90	
12		LOW	Q16	21.61	21.90	21.85	22.90	
		MID	Q16	21.71	21.71	21.71	22.90	
		HIGH	Q16	21.79	21.72	21.71	22.90	
25		LOW	Q16	21.94	21.67	21.86	22.90	
5		1	LOW	64QAM	21.81	21.86	21.79	22.90
			MID	64QAM	21.72	21.89	21.92	22.90
	HIGH		64QAM	21.72	21.65	21.73	22.90	
	12	LOW	64QAM	20.81	20.71	20.82	21.90	
		MID	64QAM	20.78	20.85	20.67	21.90	
		HIGH	64QAM	20.69	20.90	20.99	21.90	
	25	LOW	64QAM	20.79	20.98	21.05	21.90	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
	10	1	LOW	QPSK	23.57	23.73	23.81	24.90
MID			QPSK	23.52	23.49	23.61	24.90	
HIGH			QPSK	23.80	23.79	23.77	24.90	
25		LOW	QPSK	22.65	22.55	22.65	23.90	
		MID	QPSK	22.70	22.84	22.87	23.90	
		HIGH	QPSK	22.97	22.73	22.70	23.90	
50	LOW	QPSK	22.61	22.71	22.79	23.90		
10	1	LOW	Q16	22.80	22.68	22.79	23.90	
		MID	Q16	22.42	22.62	22.44	23.90	
		HIGH	Q16	22.54	22.67	22.58	23.90	
	25	LOW	Q16	21.71	21.74	21.61	22.90	
		MID	Q16	21.60	21.91	21.60	22.90	
		HIGH	Q16	21.82	21.79	21.91	22.90	
50	LOW	Q16	21.90	21.78	21.82	22.90		
10	1	LOW	64QAM	21.88	22.03	21.97	22.90	
		MID	64QAM	21.57	21.80	21.61	22.90	
		HIGH	64QAM	21.76	21.78	21.62	22.90	
	25	LOW	64QAM	20.85	20.66	20.79	21.90	
		MID	64QAM	20.78	20.89	20.56	21.90	
		HIGH	64QAM	20.84	20.83	20.99	21.90	
50	LOW	64QAM	20.75	21.00	20.87	21.90		
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)	
15	1	LOW	QPSK	23.74	23.76	23.81	24.90	
		MID	QPSK	23.66	23.70	23.73	24.90	
		HIGH	QPSK	23.71	23.70	23.68	24.90	
	36	LOW	QPSK	22.74	22.78	22.79	23.90	
		MID	QPSK	22.79	22.75	22.76	23.90	
		HIGH	QPSK	22.86	22.84	22.87	23.90	
75	LOW	QPSK	22.80	22.77	22.82	23.90		
15	1	LOW	Q16	22.78	22.79	22.77	23.90	
		MID	Q16	22.65	22.73	22.58	23.90	
		HIGH	Q16	22.63	22.72	22.53	23.90	
	36	LOW	Q16	21.78	21.81	21.74	22.90	
		MID	Q16	21.80	21.82	21.75	22.90	
		HIGH	Q16	21.86	21.94	21.80	22.90	
75	LOW	Q16	21.83	21.80	21.75	22.90		
15	1	LOW	64QAM	22.03	22.10	21.90	22.90	
		MID	64QAM	21.74	22.00	21.85	22.90	
		HIGH	64QAM	21.72	21.76	21.75	22.90	
	36	LOW	64QAM	20.98	20.81	20.92	21.90	
		MID	64QAM	20.76	20.87	20.75	21.90	
		HIGH	64QAM	20.86	20.96	20.91	21.90	
75	LOW	64QAM	20.96	21.02	20.97	21.90		

LTE B26-State 18 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.50	23.66	23.86	24.90	
		MID	QPSK	23.68	23.65	23.49	24.90	
		HIGH	QPSK	23.73	23.77	23.59	24.90	
	3	LOW	QPSK	23.58	23.59	23.41	24.90	
		MID	QPSK	23.37	23.55	23.42	24.90	
		HIGH	QPSK	23.59	23.44	23.63	24.90	
	6	LOW	QPSK	22.93	22.82	22.77	23.90	
	1.4	1	LOW	Q16	22.78	22.86	22.54	23.90
			MID	Q16	22.51	22.66	22.53	23.90
HIGH			Q16	22.56	22.74	22.58	23.90	
3		LOW	Q16	22.87	22.72	22.68	23.90	
		MID	Q16	22.65	22.48	22.55	23.90	
		HIGH	Q16	22.77	22.67	22.14	23.90	
6		LOW	Q16	21.90	21.67	21.73	22.90	
1.4		1	LOW	64QAM	22.14	22.03	21.81	22.90
			MID	64QAM	21.52	22.09	21.96	22.90
	HIGH		64QAM	21.72	21.74	21.55	22.90	
	3	LOW	64QAM	22.06	21.96	21.66	22.90	
		MID	64QAM	21.74	21.87	21.90	22.90	
		HIGH	64QAM	21.80	21.79	21.80	22.90	
	6	LOW	64QAM	21.04	21.10	20.78	21.90	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26705	26865	27025	Tune-up power(dBm)
	3	1	LOW	QPSK	23.65	23.64	23.64	24.90
MID			QPSK	23.73	23.79	23.78	24.90	
HIGH			QPSK	23.50	23.51	23.51	24.90	
8		LOW	QPSK	22.51	22.80	22.90	23.90	
		MID	QPSK	22.88	22.77	22.62	23.90	
		HIGH	QPSK	22.91	22.80	22.89	23.90	
15		LOW	QPSK	22.82	22.57	22.77	23.90	
3		1	LOW	Q16	22.53	22.61	22.61	23.90
			MID	Q16	22.54	22.50	22.53	23.90
	HIGH		Q16	22.54	22.77	22.58	23.90	
	8	LOW	Q16	21.71	21.90	21.81	22.90	
		MID	Q16	21.71	21.69	21.58	22.90	
		HIGH	Q16	21.66	21.90	21.69	22.90	
	15	LOW	Q16	21.70	21.78	21.84	22.90	
	3	1	LOW	64QAM	22.14	21.86	21.68	22.90
			MID	64QAM	21.70	22.11	21.68	22.90
HIGH			64QAM	21.59	21.80	21.68	22.90	
8		LOW	64QAM	21.08	20.83	21.02	21.90	
		MID	64QAM	20.78	20.95	20.85	21.90	
		HIGH	64QAM	20.84	21.04	20.93	21.90	
15		LOW	64QAM	20.90	20.85	20.99	21.90	

Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)	
5	1	LOW	QPSK	23.57	23.45	23.74	24.90	
		MID	QPSK	23.68	23.79	23.71	24.90	
		HIGH	QPSK	23.83	23.82	23.66	24.90	
	12	LOW	QPSK	22.49	22.55	22.74	23.90	
		MID	QPSK	22.86	22.61	22.65	23.90	
		HIGH	QPSK	22.91	22.92	22.82	23.90	
	25	LOW	QPSK	22.75	22.93	22.57	23.90	
	5	1	LOW	Q16	22.57	22.88	22.70	23.90
			MID	Q16	22.63	22.64	22.65	23.90
HIGH			Q16	22.61	22.63	22.46	23.90	
12		LOW	Q16	21.61	21.90	21.85	22.90	
		MID	Q16	21.71	21.71	21.71	22.90	
		HIGH	Q16	21.79	21.72	21.71	22.90	
25		LOW	Q16	21.94	21.67	21.86	22.90	
5		1	LOW	64QAM	21.81	21.86	21.79	22.90
			MID	64QAM	21.72	21.89	21.92	22.90
	HIGH		64QAM	21.72	21.65	21.73	22.90	
	12	LOW	64QAM	20.81	20.71	20.82	21.90	
		MID	64QAM	20.78	20.85	20.67	21.90	
		HIGH	64QAM	20.69	20.90	20.99	21.90	
	25	LOW	64QAM	20.79	20.98	21.05	21.90	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
	10	1	LOW	QPSK	23.57	23.73	23.81	24.90
MID			QPSK	23.52	23.49	23.61	24.90	
HIGH			QPSK	23.80	23.79	23.77	24.90	
25		LOW	QPSK	22.65	22.55	22.65	23.90	
		MID	QPSK	22.70	22.84	22.87	23.90	
		HIGH	QPSK	22.97	22.73	22.70	23.90	
50		LOW	QPSK	22.61	22.71	22.79	23.90	
10		1	LOW	Q16	22.80	22.68	22.79	23.90
			MID	Q16	22.42	22.62	22.44	23.90
	HIGH		Q16	22.54	22.67	22.58	23.90	
	25	LOW	Q16	21.71	21.74	21.61	22.90	
		MID	Q16	21.60	21.91	21.60	22.90	
		HIGH	Q16	21.82	21.79	21.91	22.90	
	50	LOW	Q16	21.90	21.78	21.82	22.90	
	10	1	LOW	64QAM	21.88	22.03	21.97	22.90
			MID	64QAM	21.57	21.80	21.61	22.90
HIGH			64QAM	21.76	21.78	21.62	22.90	
25		LOW	64QAM	20.85	20.66	20.79	21.90	
		MID	64QAM	20.78	20.89	20.56	21.90	
		HIGH	64QAM	20.84	20.83	20.99	21.90	
50		LOW	64QAM	20.75	21.00	20.87	21.90	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15		1	LOW	QPSK	23.74	23.66	23.81	24.90
	MID		QPSK	23.66	23.70	23.73	24.90	
	HIGH		QPSK	23.71	23.70	23.68	24.90	
	36	LOW	QPSK	22.74	22.78	22.79	23.90	
		MID	QPSK	22.79	22.75	22.76	23.90	
		HIGH	QPSK	22.86	22.84	22.87	23.90	
	75	LOW	QPSK	22.80	22.77	22.82	23.90	
	15	1	LOW	Q16	22.78	22.79	22.77	23.90
			MID	Q16	22.65	22.73	22.58	23.90
HIGH			Q16	22.63	22.72	22.53	23.90	
36		LOW	Q16	21.78	21.81	21.74	22.90	
		MID	Q16	21.80	21.82	21.75	22.90	
		HIGH	Q16	21.86	21.94	21.80	22.90	
75		LOW	Q16	21.83	21.80	21.75	22.90	
15		1	LOW	64QAM	22.03	22.10	21.90	22.90
			MID	64QAM	21.74	22.00	21.85	22.90
	HIGH		64QAM	21.72	21.76	21.75	22.90	
	36	LOW	64QAM	20.98	20.81	20.92	21.90	
		MID	64QAM	20.76	20.87	20.75	21.90	
		HIGH	64QAM	20.86	20.96	20.91	21.90	
	75	LOW	64QAM	20.96	21.02	20.97	21.90	

8.3.6 LTE Band38 Output Power

LTE B38-State 17 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	22.22	22.30	22.42	23.50	
		MID	QPSK	22.17	22.24	22.21	23.50	
		HIGH	QPSK	22.42	22.17	22.43	23.50	
	12	LOW	QPSK	21.88	21.89	22.07	23.00	
		MID	QPSK	22.14	21.91	21.96	23.00	
		HIGH	QPSK	21.90	21.83	21.75	23.00	
	25	LOW	QPSK	22.04	21.73	21.82	23.00	
	5	1	LOW	Q16	22.19	21.99	22.17	23.00
			MID	Q16	22.09	22.01	22.27	23.00
HIGH			Q16	22.15	21.95	22.12	23.00	
12		LOW	Q16	20.98	20.90	21.10	22.00	
		MID	Q16	20.93	21.12	21.05	22.00	
		HIGH	Q16	20.91	21.09	21.13	22.00	
25		LOW	Q16	20.86	21.00	21.00	22.00	
5		1	LOW	64QAM	21.33	21.12	21.32	22.00
			MID	64QAM	21.09	21.11	21.30	22.00
	HIGH		64QAM	21.37	21.33	21.36	22.00	
	12	LOW	64QAM	20.07	20.23	20.40	21.00	
		MID	64QAM	20.17	20.02	20.43	21.00	
		HIGH	64QAM	20.12	20.17	20.17	21.00	
	25	LOW	64QAM	20.27	20.39	19.81	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	22.28	22.21	22.46	23.50
MID			QPSK	22.53	22.38	22.41	23.50	
HIGH			QPSK	22.20	22.35	22.25	23.50	
25		LOW	QPSK	22.07	21.87	22.02	23.00	
		MID	QPSK	21.85	21.83	22.09	23.00	
		HIGH	QPSK	21.96	21.92	22.06	23.00	
50	LOW	QPSK	22.13	21.73	22.02	23.00		
10	1	LOW	Q16	22.15	21.94	22.23	23.00	
		MID	Q16	22.24	21.93	22.16	23.00	
		HIGH	Q16	22.21	21.95	22.03	23.00	
	25	LOW	Q16	20.83	20.93	20.91	22.00	
		MID	Q16	20.89	20.97	20.99	22.00	
		HIGH	Q16	21.00	21.03	21.08	22.00	
50	LOW	Q16	21.05	20.92	21.04	22.00		
10	1	LOW	64QAM	21.35	20.99	21.34	22.00	
		MID	64QAM	21.19	21.36	21.51	22.00	
		HIGH	64QAM	21.31	21.28	21.02	22.00	
	25	LOW	64QAM	19.99	20.13	20.18	21.00	
		MID	64QAM	20.09	20.10	20.13	21.00	
		HIGH	64QAM	20.22	20.21	20.15	21.00	
50	LOW	64QAM	20.27	20.35	19.93	21.00		

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	22.13	22.19	22.17	23.50	
		MID	QPSK	22.20	22.27	22.39	23.50	
		HIGH	QPSK	22.20	22.15	22.19	23.50	
	36	LOW	QPSK	21.96	21.89	21.87	23.00	
		MID	QPSK	21.92	21.96	21.76	23.00	
		HIGH	QPSK	22.16	22.07	21.88	23.00	
	75	LOW	QPSK	21.78	21.69	21.77	23.00	
	15	1	LOW	Q16	22.30	22.14	22.21	23.00
			MID	Q16	22.27	22.10	22.29	23.00
HIGH			Q16	21.97	22.06	22.32	23.00	
36		LOW	Q16	20.91	20.80	21.10	22.00	
		MID	Q16	20.98	20.86	21.05	22.00	
		HIGH	Q16	20.89	21.07	21.10	22.00	
75		LOW	Q16	20.92	20.87	21.00	22.00	
15		1	LOW	64QAM	21.33	21.03	21.17	22.00
			MID	64QAM	21.39	21.36	21.56	22.00
	HIGH		64QAM	21.10	21.41	21.08	22.00	
	36	LOW	64QAM	20.05	20.07	20.34	21.00	
		MID	64QAM	19.95	20.18	20.11	21.00	
		HIGH	64QAM	20.18	20.11	19.85	21.00	
	75	LOW	64QAM	20.35	20.37	19.87	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	22.35	22.37	22.40	23.50
MID			QPSK	22.42	22.40	22.39	23.50	
HIGH			QPSK	22.33	22.33	22.41	23.50	
50		LOW	QPSK	22.03	21.98	21.98	23.00	
		MID	QPSK	22.05	21.98	21.98	23.00	
		HIGH	QPSK	22.03	21.96	21.99	23.00	
100	LOW	QPSK	22.02	21.93	21.95	23.00		
20	1	LOW	Q16	22.19	22.12	22.30	23.00	
		MID	Q16	22.20	22.08	22.27	23.00	
		HIGH	Q16	22.19	22.04	22.25	23.00	
	50	LOW	Q16	21.06	21.01	21.02	22.00	
		MID	Q16	21.04	21.01	21.05	22.00	
		HIGH	Q16	21.06	20.99	21.02	22.00	
100	LOW	Q16	21.05	21.00	21.00	22.00		
20	1	LOW	64QAM	21.31	21.18	21.36	22.00	
		MID	64QAM	21.28	21.34	21.45	22.00	
		HIGH	64QAM	21.33	21.39	21.25	22.00	
	50	LOW	64QAM	20.09	20.17	20.30	21.00	
		MID	64QAM	20.17	20.08	20.33	21.00	
		HIGH	64QAM	20.26	20.13	20.07	21.00	
100	LOW	64QAM	20.37	20.31	20.03	21.00		

LTE B38-State 18 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	21.27	21.32	21.36	22.00	
		MID	QPSK	21.34	21.53	21.32	22.00	
		HIGH	QPSK	21.31	21.37	21.31	22.00	
	12	LOW	QPSK	21.66	21.54	21.47	22.00	
		MID	QPSK	21.73	21.64	21.66	22.00	
		HIGH	QPSK	21.52	21.57	21.72	22.00	
	25	LOW	QPSK	21.79	21.69	21.68	22.00	
	5	1	LOW	Q16	21.64	21.74	21.71	22.00
			MID	Q16	21.72	21.57	21.73	22.00
HIGH			Q16	21.77	21.68	21.77	22.00	
12		LOW	Q16	21.47	21.43	21.49	22.00	
		MID	Q16	21.74	21.64	21.54	22.00	
		HIGH	Q16	21.53	21.43	21.53	22.00	
25		LOW	Q16	21.63	21.52	21.73	22.00	
5		1	LOW	64QAM	21.71	21.51	21.68	22.00
			MID	64QAM	21.44	21.88	21.61	22.00
	HIGH		64QAM	21.76	21.73	21.69	22.00	
	12	LOW	64QAM	19.99	19.79	20.38	21.00	
		MID	64QAM	20.11	19.84	20.21	21.00	
		HIGH	64QAM	20.06	19.77	20.27	21.00	
	25	LOW	64QAM	20.43	20.27	19.93	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	21.48	21.38	21.49	22.00
MID			QPSK	21.63	21.49	21.57	22.00	
HIGH			QPSK	21.40	21.50	21.29	22.00	
25		LOW	QPSK	21.43	21.50	21.68	22.00	
		MID	QPSK	21.46	21.39	21.66	22.00	
		HIGH	QPSK	21.56	21.40	21.41	22.00	
50	LOW	QPSK	21.62	21.40	21.50	22.00		
10	1	LOW	Q16	21.78	21.61	21.84	22.00	
		MID	Q16	21.92	21.83	21.98	22.00	
		HIGH	Q16	21.82	21.81	21.81	22.00	
	25	LOW	Q16	21.55	21.50	21.53	22.00	
		MID	Q16	21.79	21.47	21.48	22.00	
		HIGH	Q16	21.53	21.62	21.53	22.00	
50	LOW	Q16	21.48	21.42	21.51	22.00		
10	1	LOW	64QAM	21.84	21.49	21.94	22.00	
		MID	64QAM	21.59	21.75	21.83	22.00	
		HIGH	64QAM	21.73	21.84	21.68	22.00	
	25	LOW	64QAM	20.09	19.97	20.24	21.00	
		MID	64QAM	20.25	19.78	20.05	21.00	
		HIGH	64QAM	20.22	19.85	20.19	21.00	
50	LOW	64QAM	20.33	20.35	19.69	21.00		

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	21.38	21.51	21.38	22.00	
		MID	QPSK	21.40	21.30	21.41	22.00	
		HIGH	QPSK	21.40	21.42	21.29	22.00	
	36	LOW	QPSK	21.49	21.41	21.41	22.00	
		MID	QPSK	21.46	21.39	21.43	22.00	
		HIGH	QPSK	21.69	21.48	21.75	22.00	
	75	LOW	QPSK	21.66	21.59	21.56	22.00	
	15	1	LOW	Q16	21.61	21.80	21.69	22.00
			MID	Q16	21.80	21.59	21.68	22.00
HIGH			Q16	21.69	21.73	21.72	22.00	
36		LOW	Q16	21.74	21.47	21.55	22.00	
		MID	Q16	21.57	21.58	21.63	22.00	
		HIGH	Q16	21.66	21.43	21.70	22.00	
75		LOW	Q16	21.67	21.40	21.66	22.00	
15		1	LOW	64QAM	21.59	21.34	21.71	22.00
			MID	64QAM	21.54	21.79	21.51	22.00
	HIGH		64QAM	21.87	21.84	21.77	22.00	
	36	LOW	64QAM	20.01	20.01	20.36	21.00	
		MID	64QAM	20.29	19.84	20.19	21.00	
		HIGH	64QAM	20.28	19.83	20.01	21.00	
	75	LOW	64QAM	20.23	20.35	19.91	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	21.48	21.51	21.42	22.00
MID			QPSK	21.53	21.47	21.39	22.00	
HIGH			QPSK	21.50	21.50	21.50	22.00	
50		LOW	QPSK	21.64	21.60	21.60	22.00	
		MID	QPSK	21.67	21.62	21.64	22.00	
		HIGH	QPSK	21.64	21.61	21.64	22.00	
100		LOW	QPSK	21.68	21.59	21.60	22.00	
20		1	LOW	Q16	21.84	21.74	21.95	22.00
			MID	Q16	21.84	21.72	21.87	22.00
	HIGH		Q16	21.86	21.77	21.90	22.00	
	50	LOW	Q16	21.68	21.60	21.66	22.00	
		MID	Q16	21.68	21.64	21.67	22.00	
		HIGH	Q16	21.68	21.62	21.66	22.00	
	100	LOW	Q16	21.67	21.63	21.62	22.00	
	20	1	LOW	64QAM	21.80	21.57	21.83	22.00
			MID	64QAM	21.67	21.90	21.72	22.00
HIGH			64QAM	21.87	21.90	21.77	22.00	
50		LOW	64QAM	20.11	19.99	20.36	21.00	
		MID	64QAM	20.19	19.98	20.13	21.00	
		HIGH	64QAM	20.22	19.97	20.17	21.00	
100		LOW	64QAM	20.41	20.33	19.87	21.00	

LTE B38-State 17 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	22.82	22.94	22.61	24.00	
		MID	QPSK	22.69	22.68	22.72	24.00	
		HIGH	QPSK	22.98	22.70	22.75	24.00	
	12	LOW	QPSK	21.93	21.79	21.97	23.00	
		MID	QPSK	22.13	21.82	21.90	23.00	
		HIGH	QPSK	21.94	21.87	21.87	23.00	
	25	LOW	QPSK	21.99	21.90	21.83	23.00	
	5	1	LOW	Q16	21.95	21.96	22.09	23.00
			MID	Q16	21.96	21.84	22.08	23.00
HIGH			Q16	22.04	21.77	22.36	23.00	
12		LOW	Q16	21.00	20.89	20.78	22.00	
		MID	Q16	20.89	20.82	20.78	22.00	
		HIGH	Q16	20.78	20.80	20.95	22.00	
25		LOW	Q16	20.81	20.76	20.90	22.00	
5		1	LOW	64QAM	21.34	21.03	21.35	22.00
			MID	64QAM	21.27	20.86	21.31	22.00
	HIGH		64QAM	21.07	21.27	21.46	22.00	
	12	LOW	64QAM	19.96	19.93	20.13	21.00	
		MID	64QAM	20.11	19.98	20.06	21.00	
		HIGH	64QAM	19.99	20.00	20.17	21.00	
	25	LOW	64QAM	20.05	19.92	20.20	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	22.98	22.87	22.84	24.00
MID			QPSK	22.69	22.59	22.79	24.00	
HIGH			QPSK	22.66	22.73	22.77	24.00	
25		LOW	QPSK	21.95	21.90	21.84	23.00	
		MID	QPSK	21.95	21.89	22.01	23.00	
		HIGH	QPSK	22.01	21.94	21.81	23.00	
50	LOW	QPSK	21.94	21.94	21.91	23.00		
10	1	LOW	Q16	21.93	22.10	22.31	23.00	
		MID	Q16	22.03	21.99	22.04	23.00	
		HIGH	Q16	22.07	21.97	22.25	23.00	
	25	LOW	Q16	21.02	20.78	20.86	22.00	
		MID	Q16	21.10	21.05	20.76	22.00	
		HIGH	Q16	20.89	20.84	21.05	22.00	
50	LOW	Q16	21.00	20.78	20.92	22.00		
10	1	LOW	64QAM	21.30	21.01	21.43	22.00	
		MID	64QAM	21.16	20.95	21.55	22.00	
		HIGH	64QAM	21.03	21.21	21.35	22.00	
	25	LOW	64QAM	19.92	19.91	20.37	21.00	
		MID	64QAM	20.01	19.90	19.84	21.00	
		HIGH	64QAM	19.99	19.78	19.99	21.00	
	50	LOW	64QAM	20.05	19.78	19.92	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.02	22.71	22.93	24.00	
		MID	QPSK	22.62	22.86	22.97	24.00	
		HIGH	QPSK	22.98	22.61	22.88	24.00	
	36	LOW	QPSK	22.11	21.88	21.82	23.00	
		MID	QPSK	21.89	21.89	22.03	23.00	
		HIGH	QPSK	22.07	21.74	21.98	23.00	
	75	LOW	QPSK	22.05	21.99	21.94	23.00	
	15	1	LOW	Q16	22.15	21.83	22.34	23.00
			MID	Q16	22.18	21.79	22.26	23.00
HIGH			Q16	22.16	21.88	22.25	23.00	
36		LOW	Q16	21.08	20.97	20.86	22.00	
		MID	Q16	21.08	20.76	20.97	22.00	
		HIGH	Q16	20.93	20.95	21.11	22.00	
75		LOW	Q16	21.00	20.97	20.90	22.00	
15		1	LOW	64QAM	21.07	21.20	21.35	22.00
			MID	64QAM	21.25	20.84	21.47	22.00
	HIGH		64QAM	21.03	21.17	21.33	22.00	
	36	LOW	64QAM	20.24	19.95	20.17	21.00	
		MID	64QAM	20.09	20.00	19.92	21.00	
		HIGH	64QAM	20.29	20.04	20.23	21.00	
	75	LOW	64QAM	20.01	19.88	19.98	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	22.91	22.87	22.82	24.00
MID			QPSK	22.87	22.84	22.86	24.00	
HIGH			QPSK	22.89	22.84	22.86	24.00	
50		LOW	QPSK	22.02	21.92	21.97	23.00	
		MID	QPSK	22.02	21.93	21.99	23.00	
		HIGH	QPSK	22.05	21.94	21.96	23.00	
100		LOW	QPSK	22.01	21.92	21.98	23.00	
20		1	LOW	Q16	22.17	22.03	22.27	23.00
			MID	Q16	22.16	21.99	22.26	23.00
	HIGH		Q16	22.20	22.01	22.32	23.00	
	50	LOW	Q16	21.02	20.95	20.99	22.00	
		MID	Q16	21.02	20.97	20.99	22.00	
		HIGH	Q16	20.99	20.97	21.03	22.00	
	100	LOW	Q16	21.00	20.91	20.94	22.00	
	20	1	LOW	64QAM	21.30	21.14	21.54	22.00
			MID	64QAM	21.40	20.99	21.53	22.00
HIGH			64QAM	21.22	21.21	21.48	22.00	
50		LOW	64QAM	20.14	20.11	20.29	21.00	
		MID	64QAM	20.11	20.00	19.96	21.00	
		HIGH	64QAM	20.21	19.98	20.19	21.00	
100		LOW	64QAM	19.99	19.98	20.10	21.00	

LTE B38-State 18 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	22.82	22.94	22.61	24.00	
		MID	QPSK	22.69	22.68	22.72	24.00	
		HIGH	QPSK	22.98	22.70	22.75	24.00	
	12	LOW	QPSK	21.93	21.79	21.97	23.00	
		MID	QPSK	22.13	21.82	21.90	23.00	
		HIGH	QPSK	21.94	21.87	21.87	23.00	
	25	LOW	QPSK	21.99	21.90	21.83	23.00	
	5	1	LOW	Q16	21.95	21.96	22.09	23.00
			MID	Q16	21.96	21.84	22.08	23.00
HIGH			Q16	22.04	21.77	22.36	23.00	
12		LOW	Q16	21.00	20.89	20.78	22.00	
		MID	Q16	20.89	20.82	20.78	22.00	
		HIGH	Q16	20.78	20.80	20.95	22.00	
25		LOW	Q16	20.81	20.76	20.90	22.00	
5		1	LOW	64QAM	21.34	21.03	21.35	22.00
			MID	64QAM	21.27	20.86	21.31	22.00
	HIGH		64QAM	21.07	21.27	21.46	22.00	
	12	LOW	64QAM	19.96	19.93	20.13	21.00	
		MID	64QAM	20.11	19.98	20.06	21.00	
		HIGH	64QAM	19.99	20.00	20.17	21.00	
	25	LOW	64QAM	20.05	19.92	20.20	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	22.98	22.87	22.84	24.00
MID			QPSK	22.69	22.59	22.79	24.00	
HIGH			QPSK	22.66	22.73	22.77	24.00	
25		LOW	QPSK	21.95	21.90	21.84	23.00	
		MID	QPSK	21.95	21.89	22.01	23.00	
		HIGH	QPSK	22.01	21.94	21.81	23.00	
50	LOW	QPSK	21.94	21.94	21.91	23.00		
10	1	LOW	Q16	21.93	22.10	22.31	23.00	
		MID	Q16	22.03	21.99	22.04	23.00	
		HIGH	Q16	22.07	21.97	22.25	23.00	
	25	LOW	Q16	21.02	20.78	20.86	22.00	
		MID	Q16	21.10	21.05	20.76	22.00	
		HIGH	Q16	20.89	20.84	21.05	22.00	
50	LOW	Q16	21.00	20.78	20.92	22.00		
10	1	LOW	64QAM	21.30	21.01	21.43	22.00	
		MID	64QAM	21.16	20.95	21.55	22.00	
		HIGH	64QAM	21.03	21.21	21.35	22.00	
	25	LOW	64QAM	19.92	19.91	20.37	21.00	
		MID	64QAM	20.01	19.90	19.84	21.00	
		HIGH	64QAM	19.99	19.78	19.99	21.00	
50	LOW	64QAM	20.05	19.78	19.92	21.00		

Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.02	22.71	22.93	24.00	
		MID	QPSK	22.62	22.86	22.97	24.00	
		HIGH	QPSK	22.98	22.61	22.88	24.00	
	36	LOW	QPSK	22.11	21.88	21.82	23.00	
		MID	QPSK	21.89	21.89	22.03	23.00	
		HIGH	QPSK	22.07	21.74	21.98	23.00	
	75	LOW	QPSK	22.05	21.99	21.94	23.00	
	15	1	LOW	Q16	22.15	21.83	22.34	23.00
			MID	Q16	22.18	21.79	22.26	23.00
HIGH			Q16	22.16	21.88	22.25	23.00	
36		LOW	Q16	21.08	20.97	20.86	22.00	
		MID	Q16	21.08	20.76	20.97	22.00	
		HIGH	Q16	20.93	20.95	21.11	22.00	
75		LOW	Q16	21.00	20.97	20.90	22.00	
15		1	LOW	64QAM	21.07	21.20	21.35	22.00
			MID	64QAM	21.25	20.84	21.47	22.00
	HIGH		64QAM	21.03	21.17	21.33	22.00	
	36	LOW	64QAM	20.24	19.95	20.17	21.00	
		MID	64QAM	20.09	20.00	19.92	21.00	
		HIGH	64QAM	20.29	20.04	20.23	21.00	
	75	LOW	64QAM	20.01	19.88	19.98	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	22.91	22.87	22.82	24.00
MID			QPSK	22.87	22.84	22.86	24.00	
HIGH			QPSK	22.89	22.84	22.86	24.00	
50		LOW	QPSK	22.02	21.92	21.97	23.00	
		MID	QPSK	22.02	21.93	21.99	23.00	
		HIGH	QPSK	22.05	21.94	21.96	23.00	
100		LOW	QPSK	22.01	21.92	21.98	23.00	
20		1	LOW	Q16	22.17	22.03	22.27	23.00
			MID	Q16	22.16	21.99	22.26	23.00
	HIGH		Q16	22.20	22.01	22.32	23.00	
	50	LOW	Q16	21.02	20.95	20.99	22.00	
		MID	Q16	21.02	20.97	20.99	22.00	
		HIGH	Q16	20.99	20.97	21.03	22.00	
	100	LOW	Q16	21.00	20.91	20.94	22.00	
	20	1	LOW	64QAM	21.30	21.14	21.54	22.00
			MID	64QAM	21.40	20.99	21.53	22.00
HIGH			64QAM	21.22	21.21	21.48	22.00	
50		LOW	64QAM	20.14	20.11	20.29	21.00	
		MID	64QAM	20.11	20.00	19.96	21.00	
		HIGH	64QAM	20.21	19.98	20.19	21.00	
100		LOW	64QAM	19.99	19.98	20.10	21.00	

8.3.7 LTE Band41 Output Power

LTE B41-State 17 -Ant.2										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	24.22	24.02	24.35	24.10	24.27	26.00	
		MID	QPSK	24.18	24.22	24.48	24.14	24.19	26.00	
		HIGH	QPSK	24.37	24.42	24.20	24.05	24.43	26.00	
	12	LOW	QPSK	23.72	23.44	24.11	24.06	23.86	25.00	
		MID	QPSK	23.70	24.00	23.83	24.14	23.87	25.00	
		HIGH	QPSK	24.01	24.00	24.03	23.90	23.89	25.00	
	25	LOW	QPSK	24.06	23.67	23.76	23.74	23.84	25.00	
	5	1	LOW	Q16	23.82	24.28	24.32	24.15	24.06	25.00
			MID	Q16	24.10	23.89	24.03	23.91	23.99	25.00
HIGH			Q16	23.94	24.15	23.99	24.11	24.31	25.00	
12		LOW	Q16	22.88	22.97	22.86	23.25	22.80	24.00	
		MID	Q16	22.72	22.85	22.91	22.80	22.89	24.00	
		HIGH	Q16	22.94	22.84	22.89	22.77	22.83	24.00	
25		LOW	Q16	23.02	22.98	22.96	22.80	22.86	24.00	
5		1	LOW	64QAM	23.15	23.62	23.07	23.45	23.10	24.00
			MID	64QAM	22.97	22.97	23.01	23.11	23.20	24.00
	HIGH		64QAM	22.90	23.47	23.50	23.09	23.43	24.00	
	12	LOW	64QAM	21.99	21.97	22.40	22.12	22.12	23.00	
		MID	64QAM	22.00	22.05	22.12	22.27	22.13	23.00	
		HIGH	64QAM	21.91	22.16	22.22	22.11	21.81	23.00	
	25	LOW	64QAM	22.24	22.14	22.16	22.11	22.08	23.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	24.18	24.05	24.20	24.10	24.25	26.00
MID			QPSK	24.03	24.12	24.29	24.07	24.29	26.00	
HIGH			QPSK	24.32	24.34	24.52	24.32	24.23	26.00	
25		LOW	QPSK	23.72	23.49	24.09	23.87	23.72	25.00	
		MID	QPSK	23.77	23.88	24.10	24.14	23.75	25.00	
		HIGH	QPSK	24.06	23.85	23.84	24.02	24.01	25.00	
50		LOW	QPSK	23.82	23.56	24.03	23.53	23.82	25.00	
10		1	LOW	Q16	23.94	24.23	24.25	24.01	24.31	25.00
			MID	Q16	23.86	23.91	24.17	24.01	24.28	25.00
	HIGH		Q16	23.96	24.13	23.96	24.01	24.21	25.00	
	25	LOW	Q16	22.84	23.11	22.83	23.15	22.76	24.00	
		MID	Q16	23.04	22.91	22.93	22.98	22.89	24.00	
		HIGH	Q16	23.03	22.77	23.12	22.93	22.88	24.00	
	50	LOW	Q16	22.75	23.00	22.89	22.84	22.88	24.00	
	10	1	LOW	64QAM	22.97	23.38	23.30	23.35	23.15	24.00
			MID	64QAM	23.14	23.04	23.03	22.88	22.99	24.00
HIGH			64QAM	22.77	23.52	23.50	23.07	23.15	24.00	
25		LOW	64QAM	22.11	21.95	22.38	22.17	22.17	23.00	
		MID	64QAM	22.13	22.09	22.19	22.14	22.15	23.00	
		HIGH	64QAM	21.73	22.11	22.24	22.08	22.05	23.00	
50		LOW	64QAM	22.15	22.22	22.29	22.00	21.77	23.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	24.01	24.29	24.35	24.25	24.54	26.00	
		MID	QPSK	24.15	24.14	24.26	24.12	24.19	26.00	
		HIGH	QPSK	24.32	24.22	24.25	24.37	24.52	26.00	
	36	LOW	QPSK	23.72	23.70	23.97	23.89	23.96	25.00	
		MID	QPSK	23.89	23.66	23.98	23.97	23.75	25.00	
		HIGH	QPSK	23.75	23.68	23.74	23.83	23.82	25.00	
	75	LOW	QPSK	23.82	23.46	23.96	23.60	23.70	25.00	
	15	1	LOW	Q16	23.86	24.45	24.10	24.25	24.26	25.00
			MID	Q16	23.93	24.08	24.05	24.05	24.36	25.00
HIGH			Q16	24.16	24.01	24.18	23.99	24.48	25.00	
36		LOW	Q16	22.79	23.06	22.88	23.04	23.08	24.00	
		MID	Q16	22.93	22.94	22.93	23.10	22.87	24.00	
		HIGH	Q16	22.87	22.93	22.98	22.75	22.83	24.00	
75		LOW	Q16	22.72	22.91	22.89	22.89	22.91	24.00	
15		1	LOW	64QAM	22.99	23.55	23.14	23.33	23.10	24.00
			MID	64QAM	22.91	23.04	23.08	22.95	23.24	24.00
	HIGH		64QAM	22.81	23.52	23.48	23.23	23.11	24.00	
	36	LOW	64QAM	22.13	22.26	22.45	22.08	22.30	23.00	
		MID	64QAM	22.09	21.91	22.12	21.94	21.86	23.00	
		HIGH	64QAM	22.04	22.22	22.13	22.13	21.74	23.00	
	75	LOW	64QAM	22.20	22.02	22.11	22.09	22.01	23.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	24.20	24.17	24.47	24.32	24.42	26.00
MID			QPSK	24.20	24.24	24.36	24.14	24.34	26.00	
HIGH			QPSK	24.27	24.32	24.42	24.27	24.45	26.00	
50		LOW	QPSK	23.84	23.70	24.04	23.94	23.96	25.00	
		MID	QPSK	23.94	23.90	24.09	24.07	23.97	25.00	
		HIGH	QPSK	23.94	23.90	23.98	24.00	23.96	25.00	
100		LOW	QPSK	23.94	23.65	23.98	23.72	23.96	25.00	
20		1	LOW	Q16	23.96	24.35	24.25	24.25	24.33	25.00
			MID	Q16	24.03	24.03	24.15	24.03	24.26	25.00
	HIGH		Q16	24.06	24.20	24.18	24.13	24.36	25.00	
	50	LOW	Q16	22.86	23.13	23.04	23.13	23.01	24.00	
		MID	Q16	22.93	22.96	23.00	23.05	22.98	24.00	
		HIGH	Q16	22.96	22.98	23.00	23.00	22.99	24.00	
	100	LOW	Q16	22.93	22.91	22.98	23.05	22.93	24.00	
	20	1	LOW	64QAM	23.06	23.62	23.21	23.47	23.29	24.00
			MID	64QAM	23.16	23.18	23.08	23.09	23.22	24.00
HIGH			64QAM	23.02	23.40	23.43	23.16	23.34	24.00	
50		LOW	64QAM	22.15	22.17	22.36	22.10	22.21	23.00	
		MID	64QAM	22.22	22.09	22.32	22.16	22.04	23.00	
		HIGH	64QAM	21.95	22.18	22.15	22.04	21.94	23.00	
100		LOW	64QAM	22.24	22.18	22.18	22.18	21.99	23.00	

LTE B41-State 18 -Ant.2										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	22.37	22.39	22.71	22.19	22.41	23.50	
		MID	QPSK	22.27	22.46	22.69	22.44	22.18	23.50	
		HIGH	QPSK	22.19	22.30	22.53	22.51	22.48	23.50	
	12	LOW	QPSK	22.43	22.61	22.68	22.56	22.54	23.50	
		MID	QPSK	22.47	22.44	22.44	22.57	22.37	23.50	
		HIGH	QPSK	22.42	22.32	22.40	22.53	22.51	23.50	
	25	LOW	QPSK	22.49	22.41	22.51	22.35	22.47	23.50	
	5	1	LOW	Q16	22.54	23.04	22.95	22.86	22.53	23.50
			MID	Q16	22.57	22.59	22.98	22.75	22.68	23.50
HIGH			Q16	22.53	22.66	22.76	22.83	22.61	23.50	
12		LOW	Q16	22.24	22.45	22.61	22.45	22.60	23.50	
		MID	Q16	22.42	22.46	22.76	22.67	22.37	23.50	
		HIGH	Q16	22.62	22.62	22.58	22.26	22.54	23.50	
25		LOW	Q16	22.65	22.23	22.46	22.75	22.70	23.50	
5		1	LOW	64QAM	22.96	23.05	23.17	23.05	23.33	23.50
			MID	64QAM	23.07	22.97	22.78	22.80	22.90	23.50
	HIGH		64QAM	22.65	23.21	23.17	23.00	23.34	23.50	
	12	LOW	64QAM	22.04	21.83	22.00	22.13	22.12	23.00	
		MID	64QAM	22.04	21.78	22.35	21.83	21.58	23.00	
		HIGH	64QAM	22.02	21.89	22.31	21.98	21.59	23.00	
	25	LOW	64QAM	22.04	22.16	21.92	21.96	21.84	23.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	22.13	22.41	22.66	22.33	22.47	23.50
MID			QPSK	22.18	22.51	22.51	22.51	22.25	23.50	
HIGH			QPSK	22.32	22.47	22.51	22.51	22.37	23.50	
25		LOW	QPSK	22.41	22.28	22.77	22.53	22.36	23.50	
		MID	QPSK	22.56	22.55	22.57	22.46	22.46	23.50	
		HIGH	QPSK	22.58	22.27	22.38	22.56	22.58	23.50	
50	LOW	QPSK	22.45	22.45	22.45	22.65	22.34	23.50		
10	1	LOW	Q16	22.43	22.86	23.00	22.65	22.67	23.50	
		MID	Q16	22.50	22.68	22.98	22.75	22.55	23.50	
		HIGH	Q16	22.87	22.98	22.76	22.99	22.61	23.50	
	25	LOW	Q16	22.53	22.57	22.70	22.38	22.40	23.50	
		MID	Q16	22.39	22.26	22.69	22.61	22.41	23.50	
		HIGH	Q16	22.31	22.55	22.67	22.49	22.34	23.50	
50	LOW	Q16	22.63	22.45	22.77	22.77	22.91	23.50		
10	1	LOW	64QAM	22.94	22.96	23.24	23.17	23.40	23.50	
		MID	64QAM	23.04	22.88	23.12	22.75	23.03	23.50	
		HIGH	64QAM	22.61	23.24	23.10	23.04	23.27	23.50	
	25	LOW	64QAM	21.87	22.08	21.98	22.17	21.94	23.00	
		MID	64QAM	22.00	21.89	22.35	21.88	21.67	23.00	
		HIGH	64QAM	21.95	22.07	22.15	21.84	21.75	23.00	
	50	LOW	64QAM	21.95	21.94	21.89	21.78	22.01	23.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	22.40	22.25	22.62	22.44	22.25	23.50	
		MID	QPSK	22.39	22.55	22.67	22.39	22.27	23.50	
		HIGH	QPSK	22.16	22.23	22.69	22.35	22.21	23.50	
	36	LOW	QPSK	22.47	22.41	22.57	22.38	22.40	23.50	
		MID	QPSK	22.40	22.50	22.50	22.64	22.53	23.50	
		HIGH	QPSK	22.56	22.45	22.61	22.45	22.60	23.50	
	75	LOW	QPSK	22.56	22.70	22.58	22.37	22.57	23.50	
	15	1	LOW	Q16	22.56	22.86	22.84	22.79	22.69	23.50
			MID	Q16	22.55	22.80	22.70	22.75	22.64	23.50
HIGH			Q16	22.53	22.68	22.99	22.74	22.72	23.50	
36		LOW	Q16	22.44	22.52	22.59	22.56	22.60	23.50	
		MID	Q16	22.55	22.42	22.76	22.56	22.55	23.50	
		HIGH	Q16	22.31	22.39	22.55	22.42	22.57	23.50	
75		LOW	Q16	22.56	22.30	22.48	22.54	22.86	23.50	
15		1	LOW	64QAM	23.03	22.94	23.19	23.29	23.38	23.50
			MID	64QAM	23.00	23.11	22.91	22.82	22.90	23.50
	HIGH		64QAM	22.63	23.26	23.33	23.04	23.18	23.50	
	36	LOW	64QAM	21.87	22.03	22.07	22.17	21.92	23.00	
		MID	64QAM	21.91	21.96	22.21	22.03	21.82	23.00	
		HIGH	64QAM	21.89	21.87	22.33	21.98	21.90	23.00	
	75	LOW	64QAM	21.78	21.96	22.00	21.80	21.75	23.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	22.43	22.60	22.74	22.54	22.53	23.50
MID			QPSK	22.53	22.63	22.70	22.72	22.48	23.50	
HIGH			QPSK	22.51	22.53	22.72	22.70	22.56	23.50	
50		LOW	QPSK	22.53	22.60	22.76	22.68	22.66	23.50	
		MID	QPSK	22.68	22.56	22.74	22.72	22.65	23.50	
		HIGH	QPSK	22.66	22.55	22.73	22.59	22.63	23.50	
100		LOW	QPSK	22.66	22.69	22.75	22.70	22.62	23.50	
20		1	LOW	Q16	22.73	23.05	23.19	22.96	22.79	23.50
			MID	Q16	22.76	22.85	23.03	22.94	22.67	23.50
	HIGH		Q16	22.86	22.99	23.11	23.02	22.71	23.50	
	50	LOW	Q16	22.56	22.62	22.78	22.55	22.68	23.50	
		MID	Q16	22.63	22.54	22.77	22.66	22.67	23.50	
		HIGH	Q16	22.61	22.72	22.79	22.61	22.69	23.50	
	100	LOW	Q16	22.64	22.53	22.76	22.78	23.03	23.50	
	20	1	LOW	64QAM	23.01	23.17	23.12	23.31	23.38	23.50
			MID	64QAM	23.09	23.13	23.03	22.91	23.08	23.50
HIGH			64QAM	22.79	23.47	23.24	23.16	23.25	23.50	
50		LOW	64QAM	22.02	22.01	22.11	22.17	22.01	23.00	
		MID	64QAM	22.04	21.87	22.39	21.92	21.82	23.00	
		HIGH	64QAM	21.93	22.00	22.22	22.02	21.79	23.00	
100		LOW	64QAM	22.02	22.18	22.07	21.98	21.97	23.00	

LTE B41-State 17 -Ant.0										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	24.29	24.21	24.15	24.17	24.18	26.00	
		MID	QPSK	24.50	24.05	24.22	24.57	24.37	26.00	
		HIGH	QPSK	24.59	24.10	24.35	24.35	24.36	26.00	
	12	LOW	QPSK	23.66	23.76	24.02	24.00	23.87	25.00	
		MID	QPSK	23.80	23.96	23.88	23.80	24.09	25.00	
		HIGH	QPSK	23.73	23.92	23.85	24.12	23.90	25.00	
	25	LOW	QPSK	23.97	23.75	23.73	23.71	23.99	25.00	
	5	1	LOW	Q16	24.15	24.21	24.13	24.54	24.33	25.00
			MID	Q16	24.32	23.92	23.77	24.28	24.32	25.00
HIGH			Q16	24.45	24.20	24.02	24.48	24.35	25.00	
12		LOW	Q16	23.10	22.76	23.06	23.18	23.02	24.00	
		MID	Q16	22.97	23.03	22.87	23.11	22.99	24.00	
		HIGH	Q16	22.93	22.94	22.90	22.99	23.13	24.00	
25		LOW	Q16	22.84	23.00	23.00	22.80	22.81	24.00	
5		1	LOW	64QAM	23.16	23.00	23.16	23.55	23.26	24.00
			MID	64QAM	23.42	23.20	23.23	23.47	23.07	24.00
	HIGH		64QAM	23.48	23.00	22.99	23.83	23.29	24.00	
	12	LOW	64QAM	22.05	21.89	21.99	21.88	21.84	23.00	
		MID	64QAM	22.10	21.84	21.87	22.09	22.19	23.00	
		HIGH	64QAM	22.32	21.90	21.92	22.03	22.23	23.00	
	25	LOW	64QAM	22.32	22.11	21.99	22.11	22.28	23.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	24.43	24.21	24.27	24.31	24.55	26.00
MID			QPSK	24.25	24.05	24.31	24.32	24.42	26.00	
HIGH			QPSK	24.54	24.05	24.35	24.45	24.63	26.00	
25		LOW	QPSK	23.87	23.74	23.92	23.95	24.16	25.00	
		MID	QPSK	24.09	23.94	23.93	24.06	24.02	25.00	
		HIGH	QPSK	23.99	23.85	24.05	23.76	24.05	25.00	
50	LOW	QPSK	23.90	23.77	23.76	23.83	24.02	25.00		
10	1	LOW	Q16	24.39	24.18	24.10	24.25	24.26	25.00	
		MID	Q16	24.34	23.87	23.77	24.47	24.20	25.00	
		HIGH	Q16	24.28	24.22	24.05	24.29	24.45	25.00	
	25	LOW	Q16	22.78	22.67	22.99	23.18	22.95	24.00	
		MID	Q16	22.92	22.71	23.00	23.11	23.10	24.00	
		HIGH	Q16	23.05	22.76	23.02	22.78	23.15	24.00	
50	LOW	Q16	22.84	22.89	22.70	23.05	23.06	24.00		
10	1	LOW	64QAM	23.14	22.93	23.09	23.62	23.26	24.00	
		MID	64QAM	23.12	23.46	23.25	23.19	23.18	24.00	
		HIGH	64QAM	23.62	23.14	23.03	23.78	23.05	24.00	
	25	LOW	64QAM	22.16	21.56	21.88	22.02	21.84	23.00	
		MID	64QAM	21.99	21.75	21.85	22.22	22.41	23.00	
		HIGH	64QAM	22.03	21.90	22.01	21.72	22.23	23.00	
	50	LOW	64QAM	22.19	22.03	21.95	22.09	21.95	23.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	24.21	24.40	24.46	24.41	24.35	26.00	
		MID	QPSK	24.13	24.39	24.29	24.23	24.47	26.00	
		HIGH	QPSK	24.35	24.08	24.42	24.16	24.68	26.00	
	36	LOW	QPSK	23.85	23.64	24.02	23.90	23.99	25.00	
		MID	QPSK	24.04	23.74	23.76	23.82	23.95	25.00	
		HIGH	QPSK	24.09	23.78	24.00	23.95	23.95	25.00	
	75	LOW	QPSK	23.80	23.89	24.05	23.73	23.85	25.00	
	15	1	LOW	Q16	24.20	24.06	23.82	24.37	24.43	25.00
			MID	Q16	24.44	23.97	24.06	24.25	24.03	25.00
HIGH			Q16	24.38	23.86	23.98	24.36	24.21	25.00	
36		LOW	Q16	22.85	22.64	23.02	23.14	22.97	24.00	
		MID	Q16	23.06	23.03	22.84	22.95	22.87	24.00	
		HIGH	Q16	23.10	22.67	22.70	22.80	22.85	24.00	
75		LOW	Q16	22.82	22.64	22.90	22.87	22.83	24.00	
15		1	LOW	64QAM	23.05	23.18	22.93	23.69	23.10	24.00
			MID	64QAM	23.45	23.11	23.21	23.40	23.04	24.00
	HIGH		64QAM	23.36	23.28	22.96	23.83	23.40	24.00	
	36	LOW	64QAM	22.10	21.84	22.10	21.82	21.90	23.00	
		MID	64QAM	22.21	21.97	22.09	22.33	22.05	23.00	
		HIGH	64QAM	22.21	21.88	21.90	21.81	22.34	23.00	
	75	LOW	64QAM	22.12	21.83	21.97	22.05	22.04	23.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	24.41	24.28	24.39	24.36	24.45	26.00
MID			QPSK	24.40	24.27	24.29	24.47	24.42	26.00	
HIGH			QPSK	24.52	24.27	24.35	24.35	24.56	26.00	
50		LOW	QPSK	23.92	23.88	23.97	24.07	24.06	25.00	
		MID	QPSK	24.02	23.96	23.95	24.04	24.09	25.00	
		HIGH	QPSK	23.99	23.92	23.95	24.00	24.12	25.00	
100		LOW	QPSK	24.02	23.94	23.95	23.97	24.09	25.00	
20		1	LOW	Q16	24.32	24.11	24.08	24.42	24.33	25.00
			MID	Q16	24.32	24.09	23.96	24.35	24.20	25.00
	HIGH		Q16	24.40	24.10	24.00	24.46	24.33	25.00	
	50	LOW	Q16	23.03	22.85	22.97	23.09	23.09	24.00	
		MID	Q16	23.06	22.94	22.98	23.09	23.08	24.00	
		HIGH	Q16	23.05	22.92	22.95	23.01	23.08	24.00	
	100	LOW	Q16	23.05	22.89	22.95	22.98	23.06	24.00	
	20	1	LOW	64QAM	23.28	23.09	23.16	23.69	23.26	24.00
			MID	64QAM	23.33	23.34	23.16	23.45	23.16	24.00
HIGH			64QAM	23.62	23.23	23.22	23.78	23.31	24.00	
50		LOW	64QAM	22.14	21.80	22.12	22.06	22.08	23.00	
		MID	64QAM	22.12	21.93	22.07	22.31	22.30	23.00	
		HIGH	64QAM	22.25	22.01	22.10	21.96	22.30	23.00	
100		LOW	64QAM	22.30	22.07	22.06	22.27	22.17	23.00	

LTE B41-State 18 -Ant.0										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	24.29	24.21	24.15	24.17	24.18	26.00	
		MID	QPSK	24.50	24.05	24.22	24.57	24.37	26.00	
		HIGH	QPSK	24.59	24.10	24.35	24.35	24.36	26.00	
	12	LOW	QPSK	23.66	23.76	24.02	24.00	23.87	25.00	
		MID	QPSK	23.80	23.96	23.88	23.80	24.09	25.00	
		HIGH	QPSK	23.73	23.92	23.85	24.12	23.90	25.00	
	25	LOW	QPSK	23.97	23.75	23.73	23.71	23.99	25.00	
	5	1	LOW	Q16	24.15	24.21	24.13	24.54	24.33	25.00
			MID	Q16	24.32	23.92	23.77	24.28	24.32	25.00
HIGH			Q16	24.45	24.20	24.02	24.48	24.35	25.00	
12		LOW	Q16	23.10	22.76	23.06	23.18	23.02	24.00	
		MID	Q16	22.97	23.03	22.87	23.11	22.99	24.00	
		HIGH	Q16	22.93	22.94	22.90	22.99	23.13	24.00	
25		LOW	Q16	22.84	23.00	23.00	22.80	22.81	24.00	
5		1	LOW	64QAM	23.16	23.00	23.16	23.55	23.26	24.00
			MID	64QAM	23.42	23.20	23.23	23.47	23.07	24.00
	HIGH		64QAM	23.48	23.00	22.99	23.83	23.29	24.00	
	12	LOW	64QAM	22.05	21.89	21.99	21.88	21.84	23.00	
		MID	64QAM	22.10	21.84	21.87	22.09	22.19	23.00	
		HIGH	64QAM	22.32	21.90	21.92	22.03	22.23	23.00	
	25	LOW	64QAM	22.32	22.11	21.99	22.11	22.28	23.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	24.43	24.21	24.27	24.31	24.55	26.00
MID			QPSK	24.25	24.05	24.31	24.32	24.42	26.00	
HIGH			QPSK	24.54	24.05	24.35	24.45	24.63	26.00	
25		LOW	QPSK	23.87	23.74	23.92	23.95	24.16	25.00	
		MID	QPSK	24.09	23.94	23.93	24.06	24.02	25.00	
		HIGH	QPSK	23.99	23.85	24.05	23.76	24.05	25.00	
50	LOW	QPSK	23.90	23.77	23.76	23.83	24.02	25.00		
10	1	LOW	Q16	24.39	24.18	24.10	24.25	24.26	25.00	
		MID	Q16	24.34	23.87	23.77	24.47	24.20	25.00	
		HIGH	Q16	24.28	24.22	24.05	24.29	24.45	25.00	
	25	LOW	Q16	22.78	22.67	22.99	23.18	22.95	24.00	
		MID	Q16	22.92	22.71	23.00	23.11	23.10	24.00	
		HIGH	Q16	23.05	22.76	23.02	22.78	23.15	24.00	
50	LOW	Q16	22.84	22.89	22.70	23.05	23.06	24.00		
10	1	LOW	64QAM	23.14	22.93	23.09	23.62	23.26	24.00	
		MID	64QAM	23.12	23.46	23.25	23.19	23.18	24.00	
		HIGH	64QAM	23.62	23.14	23.03	23.78	23.05	24.00	
	25	LOW	64QAM	22.16	21.56	21.88	22.02	21.84	23.00	
		MID	64QAM	21.99	21.75	21.85	22.22	22.41	23.00	
		HIGH	64QAM	22.03	21.90	22.01	21.72	22.23	23.00	
	50	LOW	64QAM	22.19	22.03	21.95	22.09	21.95	23.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	24.21	24.40	24.46	24.41	24.35	26.00	
		MID	QPSK	24.13	24.39	24.29	24.23	24.47	26.00	
		HIGH	QPSK	24.35	24.08	24.42	24.16	24.68	26.00	
	36	LOW	QPSK	23.85	23.64	24.02	23.90	23.99	25.00	
		MID	QPSK	24.04	23.74	23.76	23.82	23.95	25.00	
		HIGH	QPSK	24.09	23.78	24.00	23.95	23.95	25.00	
	75	LOW	QPSK	23.80	23.89	24.05	23.73	23.85	25.00	
	15	1	LOW	Q16	24.20	24.06	23.82	24.37	24.43	25.00
			MID	Q16	24.44	23.97	24.06	24.25	24.03	25.00
HIGH			Q16	24.38	23.86	23.98	24.36	24.21	25.00	
36		LOW	Q16	22.85	22.64	23.02	23.14	22.97	24.00	
		MID	Q16	23.06	23.03	22.84	22.95	22.87	24.00	
		HIGH	Q16	23.10	22.67	22.70	22.80	22.85	24.00	
75		LOW	Q16	22.82	22.64	22.90	22.87	22.83	24.00	
15		1	LOW	64QAM	23.05	23.18	22.93	23.69	23.10	24.00
			MID	64QAM	23.45	23.11	23.21	23.40	23.04	24.00
	HIGH		64QAM	23.36	23.28	22.96	23.83	23.40	24.00	
	36	LOW	64QAM	22.10	21.84	22.10	21.82	21.90	23.00	
		MID	64QAM	22.21	21.97	22.09	22.33	22.05	23.00	
		HIGH	64QAM	22.21	21.88	21.90	21.81	22.34	23.00	
	75	LOW	64QAM	22.12	21.83	21.97	22.05	22.04	23.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	24.41	24.28	24.39	24.36	24.45	26.00
MID			QPSK	24.40	24.27	24.29	24.47	24.42	26.00	
HIGH			QPSK	24.52	24.27	24.35	24.35	24.56	26.00	
50		LOW	QPSK	23.92	23.88	23.97	24.07	24.06	25.00	
		MID	QPSK	24.02	23.96	23.95	24.04	24.09	25.00	
		HIGH	QPSK	23.99	23.92	23.95	24.00	24.12	25.00	
100		LOW	QPSK	24.02	23.94	23.95	23.97	24.09	25.00	
20		1	LOW	Q16	24.32	24.11	24.08	24.42	24.33	25.00
			MID	Q16	24.32	24.09	23.96	24.35	24.20	25.00
	HIGH		Q16	24.40	24.10	24.00	24.46	24.33	25.00	
	50	LOW	Q16	23.03	22.85	22.97	23.09	23.09	24.00	
		MID	Q16	23.06	22.94	22.98	23.09	23.08	24.00	
		HIGH	Q16	23.05	22.92	22.95	23.01	23.08	24.00	
	100	LOW	Q16	23.05	22.89	22.95	22.98	23.06	24.00	
	20	1	LOW	64QAM	23.28	23.09	23.16	23.69	23.26	24.00
			MID	64QAM	23.33	23.34	23.16	23.45	23.16	24.00
HIGH			64QAM	23.62	23.23	23.22	23.78	23.31	24.00	
50		LOW	64QAM	22.14	21.80	22.12	22.06	22.08	23.00	
		MID	64QAM	22.12	21.93	22.07	22.31	22.30	23.00	
		HIGH	64QAM	22.25	22.01	22.10	21.96	22.30	23.00	
100		LOW	64QAM	22.30	22.07	22.06	22.27	22.17	23.00	

LTE B41-State 17 -Ant.3										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	18.56	18.25	18.22	18.48	18.39	20.00	
		MID	QPSK	18.35	18.44	18.38	18.52	18.02	20.00	
		HIGH	QPSK	18.29	18.45	18.34	18.46	18.34	20.00	
	12	LOW	QPSK	18.17	18.49	18.48	18.46	18.47	20.00	
		MID	QPSK	18.04	18.37	18.72	18.45	18.31	20.00	
		HIGH	QPSK	18.51	18.33	18.40	18.27	18.48	20.00	
	25	LOW	QPSK	18.23	18.21	18.50	18.08	18.28	20.00	
	5	1	LOW	Q16	18.30	18.21	18.45	18.19	18.39	20.00
			MID	Q16	18.35	18.43	18.34	18.16	18.26	20.00
HIGH			Q16	18.59	18.15	18.11	18.31	18.08	20.00	
12		LOW	Q16	18.02	18.22	18.32	18.20	18.22	20.00	
		MID	Q16	18.12	18.49	18.09	18.31	18.05	20.00	
		HIGH	Q16	18.31	18.38	18.31	18.32	18.39	20.00	
25		LOW	Q16	18.42	18.58	18.16	18.51	18.40	20.00	
5		1	LOW	64QAM	18.25	18.21	18.61	18.39	18.18	20.00
			MID	64QAM	18.08	18.28	18.27	18.37	18.05	20.00
	HIGH		64QAM	18.29	18.11	18.24	18.28	18.38	20.00	
	12	LOW	64QAM	18.00	18.48	18.62	18.13	18.33	20.00	
		MID	64QAM	18.22	18.48	18.34	18.22	18.36	20.00	
		HIGH	64QAM	18.42	18.25	18.29	18.54	18.59	20.00	
	25	LOW	64QAM	18.36	18.49	18.08	18.39	18.05	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	18.30	18.36	18.30	18.32	18.19	20.00
MID			QPSK	18.34	18.41	18.59	18.29	18.19	20.00	
HIGH			QPSK	18.10	18.43	18.21	18.54	18.29	20.00	
25		LOW	QPSK	18.30	18.29	18.46	18.43	18.40	20.00	
		MID	QPSK	18.27	18.36	18.49	18.45	18.18	20.00	
		HIGH	QPSK	18.39	18.45	18.43	18.52	18.35	20.00	
50		LOW	QPSK	18.31	18.03	18.53	18.17	18.29	20.00	
10		1	LOW	Q16	18.21	18.23	18.33	18.25	18.54	20.00
			MID	Q16	18.32	18.31	18.26	18.11	18.30	20.00
	HIGH		Q16	18.40	18.35	18.08	18.25	18.07	20.00	
	25	LOW	Q16	18.26	18.32	18.49	18.36	18.31	20.00	
		MID	Q16	18.10	18.41	18.03	18.26	18.07	20.00	
		HIGH	Q16	18.07	18.32	18.09	18.39	18.31	20.00	
	50	LOW	Q16	18.41	18.47	18.35	18.48	18.19	20.00	
	10	1	LOW	64QAM	18.13	18.25	18.54	18.42	18.17	20.00
			MID	64QAM	18.27	18.32	18.38	18.52	18.32	20.00
HIGH			64QAM	18.38	18.20	18.28	18.04	18.31	20.00	
25		LOW	64QAM	18.12	18.23	18.47	18.19	18.27	20.00	
		MID	64QAM	18.08	18.47	18.44	18.11	18.30	20.00	
		HIGH	64QAM	18.38	18.23	18.18	18.58	18.49	20.00	
50		LOW	64QAM	18.12	18.53	18.06	18.27	18.10	20.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	18.38	18.33	18.25	18.34	18.20	20.00	
		MID	QPSK	18.39	18.36	18.59	18.33	18.09	20.00	
		HIGH	QPSK	18.15	18.34	18.19	18.39	18.29	20.00	
	36	LOW	QPSK	18.30	18.37	18.34	18.28	18.39	20.00	
		MID	QPSK	18.04	18.52	18.64	18.36	18.34	20.00	
		HIGH	QPSK	18.40	18.36	18.31	18.48	18.49	20.00	
	75	LOW	QPSK	18.25	18.19	18.29	18.25	18.30	20.00	
	15	1	LOW	Q16	18.40	18.28	18.27	18.08	18.44	20.00
			MID	Q16	18.46	18.50	18.14	18.18	18.34	20.00
HIGH			Q16	18.56	18.12	18.25	18.29	18.18	20.00	
36		LOW	Q16	18.25	18.33	18.51	18.15	18.24	20.00	
		MID	Q16	18.04	18.25	18.20	18.31	18.17	20.00	
		HIGH	Q16	18.19	18.28	18.28	18.31	18.38	20.00	
75		LOW	Q16	18.41	18.38	18.12	18.51	18.28	20.00	
15		1	LOW	64QAM	18.11	18.16	18.40	18.26	18.24	20.00
			MID	64QAM	18.12	18.34	18.24	18.38	18.07	20.00
	HIGH		64QAM	18.30	17.95	18.37	18.08	18.38	20.00	
	36	LOW	64QAM	18.25	18.35	18.64	18.32	18.19	20.00	
		MID	64QAM	18.25	18.23	18.57	18.23	18.36	20.00	
		HIGH	64QAM	18.25	18.21	18.04	18.36	18.45	20.00	
	75	LOW	64QAM	18.16	18.59	18.07	18.46	18.27	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	18.41	18.30	18.21	18.38	18.27	20.00
MID			QPSK	18.31	18.33	18.52	18.43	18.16	20.00	
HIGH			QPSK	18.22	18.42	18.22	18.44	18.20	20.00	
50		LOW	QPSK	18.31	18.35	18.40	18.39	18.49	20.00	
		MID	QPSK	18.18	18.39	18.59	18.46	18.27	20.00	
		HIGH	QPSK	18.44	18.34	18.37	18.40	18.37	20.00	
100		LOW	QPSK	18.23	18.14	18.42	18.11	18.16	20.00	
20		1	LOW	Q16	18.33	18.34	18.33	18.16	18.40	20.00
			MID	Q16	18.43	18.39	18.25	18.10	18.30	20.00
	HIGH		Q16	18.46	18.21	18.21	18.28	18.10	20.00	
	50	LOW	Q16	18.11	18.27	18.36	18.28	18.33	20.00	
		MID	Q16	18.11	18.39	18.18	18.25	18.13	20.00	
		HIGH	Q16	18.21	18.36	18.17	18.46	18.45	20.00	
	100	LOW	Q16	18.38	18.48	18.27	18.37	18.33	20.00	
	20	1	LOW	64QAM	18.12	18.18	18.47	18.36	18.15	20.00
			MID	64QAM	18.22	18.37	18.31	18.50	18.19	20.00
HIGH			64QAM	18.29	18.10	18.23	18.14	18.44	20.00	
50		LOW	64QAM	18.14	18.36	18.50	18.20	18.18	20.00	
		MID	64QAM	18.14	18.35	18.49	18.12	18.34	20.00	
		HIGH	64QAM	18.28	18.32	18.16	18.43	18.48	20.00	
100		LOW	64QAM	18.23	18.49	18.15	18.41	18.16	20.00	

LTE B41-State 18 -Ant.3										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	14.20	14.20	14.16	14.10	14.18	15.00	
		MID	QPSK	14.14	14.15	14.20	14.12	14.19	15.00	
		HIGH	QPSK	14.19	14.18	14.19	14.12	14.14	15.00	
	12	LOW	QPSK	14.19	14.20	14.14	14.20	14.14	15.00	
		MID	QPSK	14.10	14.12	14.14	14.11	14.14	15.00	
		HIGH	QPSK	14.17	14.18	14.10	14.16	14.19	15.00	
	25	LOW	QPSK	14.20	14.17	14.11	14.14	14.17	15.00	
	5	1	LOW	Q16	14.13	14.18	14.11	14.15	14.13	15.00
			MID	Q16	14.18	14.15	14.20	14.12	14.19	15.00
HIGH			Q16	14.12	14.11	14.13	14.15	14.19	15.00	
12		LOW	Q16	14.11	14.15	14.20	14.17	14.18	15.00	
		MID	Q16	14.13	14.13	14.12	14.17	14.15	15.00	
		HIGH	Q16	14.12	14.18	14.16	14.10	14.14	15.00	
25		LOW	Q16	14.13	14.20	14.13	14.15	14.16	15.00	
5		1	LOW	64QAM	14.13	14.11	14.19	14.14	14.19	15.00
			MID	64QAM	14.13	14.12	14.14	14.20	14.16	15.00
	HIGH		64QAM	14.20	14.13	14.16	14.17	14.14	15.00	
	12	LOW	64QAM	14.11	14.14	14.18	14.14	14.18	15.00	
		MID	64QAM	14.18	14.18	14.11	14.18	14.18	15.00	
		HIGH	64QAM	14.13	14.19	14.10	14.14	14.11	15.00	
	25	LOW	64QAM	14.17	14.17	14.17	14.12	14.17	15.00	
	10	1	LOW	QPSK	13.11	13.13	13.16	13.11	14.11	15.00
			MID	QPSK	13.17	13.17	13.12	13.10	14.18	15.00
HIGH			QPSK	13.13	13.12	13.16	13.11	14.16	15.00	
25		LOW	QPSK	13.19	13.11	13.12	13.18	14.15	15.00	
		MID	QPSK	13.10	13.15	13.10	13.20	14.15	15.00	
		HIGH	QPSK	13.20	13.20	13.12	13.17	14.17	15.00	
50		LOW	QPSK	13.13	13.14	13.10	13.10	14.19	15.00	
10		1	LOW	Q16	13.17	13.13	13.11	13.19	14.18	15.00
			MID	Q16	13.10	13.19	13.13	13.16	14.15	15.00
	HIGH		Q16	13.10	13.18	13.15	13.10	14.14	15.00	
	25	LOW	Q16	13.10	13.15	13.18	13.20	14.14	15.00	
		MID	Q16	13.17	13.20	13.14	13.11	14.18	15.00	
		HIGH	Q16	13.14	13.11	13.17	13.16	14.17	15.00	
50	LOW	Q16	13.16	13.12	13.19	13.10	14.13	15.00		
10	1	LOW	64QAM	13.14	13.13	13.15	13.11	14.14	15.00	
		MID	64QAM	13.10	13.20	13.10	13.16	14.10	15.00	
		HIGH	64QAM	13.12	13.18	13.11	13.15	14.16	15.00	
	25	LOW	64QAM	13.20	13.14	13.13	13.11	14.13	15.00	
		MID	64QAM	13.19	13.18	13.18	13.18	14.17	15.00	
		HIGH	64QAM	13.16	13.15	13.18	13.11	14.13	15.00	
	50	LOW	64QAM	13.20	13.19	13.19	13.19	14.11	15.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	14.17	14.19	14.11	14.16	14.15	15.00	
		MID	QPSK	14.10	14.13	14.16	14.19	14.19	15.00	
		HIGH	QPSK	14.11	14.19	14.15	14.20	14.11	15.00	
	36	LOW	QPSK	14.12	14.17	14.12	14.19	14.16	15.00	
		MID	QPSK	14.17	14.19	14.13	14.20	14.15	15.00	
		HIGH	QPSK	14.13	14.18	14.19	14.11	14.20	15.00	
	75	LOW	QPSK	14.19	14.18	14.16	14.11	14.12	15.00	
	15	1	LOW	Q16	14.16	14.11	14.14	14.15	14.10	15.00
			MID	Q16	14.11	14.18	14.19	14.18	14.15	15.00
HIGH			Q16	14.12	14.10	14.15	14.20	14.20	15.00	
36		LOW	Q16	14.13	14.16	14.11	14.12	14.11	15.00	
		MID	Q16	14.19	14.13	14.14	14.14	14.14	15.00	
		HIGH	Q16	14.16	14.13	14.17	14.11	14.17	15.00	
75		LOW	Q16	14.17	14.11	14.11	14.13	14.13	15.00	
15		1	LOW	64QAM	14.11	14.20	14.20	14.12	14.18	15.00
			MID	64QAM	14.16	14.13	14.12	14.20	14.15	15.00
	HIGH		64QAM	14.17	14.10	14.20	14.13	14.17	15.00	
	36	LOW	64QAM	14.20	14.18	14.15	14.14	14.13	15.00	
		MID	64QAM	14.10	14.12	14.11	14.20	14.12	15.00	
		HIGH	64QAM	14.10	14.18	14.16	14.20	14.14	15.00	
	75	LOW	64QAM	14.17	14.14	14.20	14.15	14.10	15.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	14.13	14.13	14.16	14.16	14.10	15.00
MID			QPSK	14.29	14.12	14.35	14.13	14.34	15.00	
HIGH			QPSK	14.11	14.31	14.18	14.15	14.11	15.00	
50		LOW	QPSK	14.15	14.15	14.15	14.13	14.17	15.00	
		MID	QPSK	14.18	14.12	14.13	14.36	14.31	15.00	
		HIGH	QPSK	14.35	14.40	14.47	14.14	14.16	15.00	
100	LOW	QPSK	14.18	14.16	14.42	14.17	14.13	15.00		
20	1	LOW	Q16	14.10	14.19	14.20	14.16	14.17	15.00	
		MID	Q16	14.11	14.14	14.11	14.15	14.17	15.00	
		HIGH	Q16	14.15	14.16	14.16	14.12	14.17	15.00	
	50	LOW	Q16	14.19	14.17	14.12	14.14	14.11	15.00	
		MID	Q16	14.12	14.16	14.20	14.19	14.13	15.00	
		HIGH	Q16	14.15	14.15	14.13	14.13	14.12	15.00	
100	LOW	Q16	14.19	14.16	14.15	14.12	14.12	15.00		
20	1	LOW	64QAM	14.16	14.19	14.19	14.20	14.14	15.00	
		MID	64QAM	14.10	14.18	14.16	14.19	14.13	15.00	
		HIGH	64QAM	14.18	14.15	14.11	14.18	14.19	15.00	
	50	LOW	64QAM	14.18	14.15	14.13	14.12	14.14	15.00	
		MID	64QAM	14.18	14.20	14.13	14.12	14.16	15.00	
		HIGH	64QAM	14.14	14.12	14.11	14.16	14.13	15.00	
100	LOW	64QAM	14.11	14.20	14.13	14.17	14.18	15.00		

8.4 Intra-Band Uplink CA Power

8.4.1 LTE Band41 Uplink CA Output Power

LTE Uplink 2CA_Band 41-State17-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.			
39750	39948	20	QPSK	1	Low	0	Low	1	24.13	26.00
40185	40383	20	QPSK	1	Low	0	Low	1	24.09	26.00
40620	40818	20	QPSK	1	Low	0	Low	1	24.20	26.00
41055	40857	20	QPSK	1	Low	0	Low	1	24.11	26.00
41490	41292	20	QPSK	1	Low	0	Low	1	24.15	26.00

LTE Uplink 2CA_Band 41-State18-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.			
39750	39948	20	QPSK	1	Low	0	Low	1	22.13	23.50
40185	40383	20	QPSK	1	Low	0	Low	1	22.20	23.50
40620	40818	20	QPSK	1	Low	0	Low	1	22.29	23.50
41055	40857	20	QPSK	1	Low	0	Low	1	22.18	23.50
41490	41292	20	QPSK	1	Low	0	Low	1	22.17	23.50

LTE Uplink 2CA_Band 41-State17-Ant.0										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	Low	0	Low	1	24.11	26.00
40185	40383	20	QPSK	1	Low	0	Low	1	24.17	26.00
40620	40818	20	QPSK	1	Low	0	Low	1	24.11	26.00
41055	40857	20	QPSK	1	Low	0	Low	1	24.18	26.00
41490	41292	20	QPSK	1	Low	0	Low	1	24.26	26.00

LTE Uplink 2CA_Band 41-State18-Ant.0										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power(dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	Low	0	Low	1	24.11	26.00
40185	40383	20	QPSK	1	Low	0	Low	1	24.17	26.00
40620	40818	20	QPSK	1	Low	0	Low	1	24.11	26.00
41055	40857	20	QPSK	1	Low	0	Low	1	24.18	26.00
41490	41292	20	QPSK	1	Low	0	Low	1	24.26	26.00