8 CONDUCTED RF OUPUT POWER

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8.1 GSM Output Power

GSM-Full Power-Ant.4								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	31.19	30.99	30.72	31.50	22.00	21.80	21.53	22.31
GPRS (GMSK, 1-Slot)	31.16	30.93	30.66	31.50	21.97	21.74	21.47	22.31
GPRS (GMSK, 2-Slots)	30.39	30.17	29.91	30.50	24.26	24.04	23.78	24.37
GPRS (GMSK, 3-Slots)	28.67	28.46	28.21	29.00	24.25	24.04	23.79	24.58
GPRS (GMSK, 4-Slots)	27.42	27.63	27.21	28.00	24.48	24.26	24.03	**24.82**
EGPRS (8PSK, 1-Slot)	24.74	25.06	25.27	25.50	15.55	15.87	16.08	16.31
EGPRS (8PSK, 2-Slots)	23.78	23.91	24.11	24.50	17.65	17.78	17.98	18.37
EGPRS (8PSK, 3-Slots)	21.92	21.71	21.89	22.50	17.50	17.29	17.47	18.08
EGPRS (8PSK, 4-Slots)	20.43	20.51	20.96	21.00	17.25	17.33	17.78	17.82
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	26.27	26.86	27.32	27.50	17.08	17.67	18.13	18.31
GPRS (GMSK, 1-Slot)	26.20	26.81	27.20	27.50	17.01	17.62	18.01	18.31
GPRS (GMSK, 2-Slots)	25.46	26.06	26.47	26.50	19.33	19.93	20.34	20.37
GPRS (GMSK, 3-Slots)	23.69	24.32	24.78	25.00	19.27	19.90	20.36	20.58
GPRS (GMSK, 4-Slots)	22.87	23.45	23.37	24.00	19.33	20.00	20.53	**20.82**
EGPRS (8PSK, 1-Slot)	23.28	22.50	22.50	23.50	14.09	13.31	13.31	14.31
EGPRS (8PSK, 2-Slots)	21.87	21.32	21.32	22.00	15.87	15.19	15.19	15.87
EGPRS (8PSK, 3-Slots)	19.80	19.03	19.01	20.00	15.38	14.61	14.59	15.58
EGPRS (8PSK, 4-Slots)	18.30	17.68	17.65	18.50	15.12	14.50	14.47	15.32

GSM-Level1-Ant.4								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	28.79	28.49	28.45	29.00	19.60	19.30	19.26	19.81
GPRS (GMSK, 1-Slot)	28.87	28.58	28.27	29.00	19.68	19.39	19.08	19.81
GPRS (GMSK, 2-Slots)	28.13	27.74	27.51	28.00	22.00	21.61	21.38	21.87
GPRS (GMSK, 3-Slots)	26.29	26.17	26.01	26.50	21.87	21.75	21.59	22.08
GPRS (GMSK, 4-Slots)	25.22	25.07	24.80	25.50	22.04	21.89	21.62	**22.32**
EGPRS (8PSK, 1-Slot)	22.43	22.57	22.96	23.00	13.24	13.38	13.77	13.81
EGPRS (8PSK, 2-Slots)	21.20	21.48	21.68	22.00	15.07	15.35	15.55	15.87
EGPRS (8PSK, 3-Slots)	19.42	19.29	19.33	20.00	15.00	14.87	14.91	15.58
EGPRS (8PSK, 4-Slots)	17.86	18.31	18.39	18.50	14.68	15.13	15.21	15.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	23.19	24.11	24.25	24.50	14.00	14.92	15.06	15.31
GPRS (GMSK, 1-Slot)	23.21	24.06	24.24	24.50	14.02	14.87	15.05	15.31
GPRS (GMSK, 2-Slots)	22.45	23.28	22.32	23.50	16.32	17.15	16.19	17.37
GPRS (GMSK, 3-Slots)	20.87	21.48	21.84	22.00	16.45	17.06	17.42	17.58
GPRS (GMSK, 4-Slots)	19.99	20.70	20.66	21.00	16.81	17.52	17.48	**17.82**
EGPRS (8PSK, 1-Slot)	20.42	19.54	19.65	20.50	11.23	10.35	10.46	11.31
EGPRS (8PSK, 2-Slots)	19.10	18.36	18.45	19.00	12.97	12.23	12.32	12.87
EGPRS (8PSK, 3-Slots)	16.99	16.17	16.00	17.00	12.57	11.75	11.58	12.58
EGPRS (8PSK, 4-Slots)	15.45	14.59	14.87	15.50	12.27	11.41	11.69	12.32

GSM-Level2&4-Ant.4									
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power (dBm)			Tune-up	Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(d	Power(dBm)
GSM (GMSK, 1-Slot)	31.19	30.99	30.72	31.50	22.00	21.80	21.53	22.31	22.31
GPRS (GMSK, 1-Slot)	31.16	30.93	30.66	31.50	21.97	21.74	21.47	22.31	22.31
GPRS (GMSK, 2-Slots)	30.39	30.17	29.91	30.50	24.26	24.04	23.78	24.37	24.37
GPRS (GMSK, 3-Slots)	28.67	28.46	28.21	29.00	24.25	24.04	23.79	24.58	24.58
GPRS (GMSK, 4-Slots)	27.42	27.63	27.21	28.00	24.48	24.26	24.03	24.82	**24.82**
EGPRS (8PSK, 1-Slot)	24.74	25.06	25.27	25.50	15.55	15.87	16.08	16.31	16.31
EGPRS (8PSK, 2-Slots)	23.78	23.91	24.11	24.50	17.65	17.78	17.98	18.37	18.37
EGPRS (8PSK, 3-Slots)	21.92	21.71	21.89	22.50	17.50	17.29	17.47	18.08	18.08
EGPRS (8PSK, 4-Slots)	20.43	20.51	20.96	21.00	17.25	17.33	17.78	17.82	17.82
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power(dBm)			Tune-up	Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(d	Power(dBm)
GSM (GMSK, 1-Slot)	26.27	26.86	27.32	27.50	17.08	17.67	18.13	18.31	18.31
GPRS (GMSK, 1-Slot)	26.20	26.81	27.20	27.50	17.01	17.62	18.01	18.31	18.31
GPRS (GMSK, 2-Slots)	25.46	26.06	26.47	26.50	19.33	19.93	20.34	20.37	20.37
GPRS (GMSK, 3-Slots)	23.69	24.32	24.78	25.00	19.27	19.90	20.36	20.58	20.58
GPRS (GMSK, 4-Slots)	22.87	23.45	23.37	24.00	19.33	20.00	20.53	20.82	**20.82**
EGPRS (8PSK, 1-Slot)	23.28	22.50	22.50	23.50	14.09	13.31	13.31	14.31	14.31
EGPRS (8PSK, 2-Slots)	21.87	21.32	21.32	22.00	15.87	15.19	15.19	15.87	15.87
EGPRS (8PSK, 3-Slots)	19.80	19.03	19.01	20.00	15.38	14.61	14.59	15.58	15.58
EGPRS (8PSK, 4-Slots)	18.30	17.68	17.65	18.50	15.12	14.50	14.47	15.32	15.32

GSM-Level3-Ant.4								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	27.85	27.65	27.22	28.00	18.66	18.46	18.03	18.81
GPRS (GMSK, 1-Slot)	27.84	27.29	27.14	28.00	18.65	18.10	17.95	18.81
GPRS (GMSK, 2-Slots)	27.01	26.86	26.43	27.00	20.88	20.73	20.30	20.87
GPRS (GMSK, 3-Slots)	25.04	24.81	24.75	25.50	20.62	20.39	20.33	21.08
GPRS (GMSK, 4-Slots)	23.94	24.12	23.60	24.50	20.76	20.94	20.42	**21.32**
EGPRS (8PSK, 1-Slot)	21.12	21.40	21.58	22.00	11.93	12.21	12.39	12.81
EGPRS (8PSK, 2-Slots)	20.41	20.52	20.76	21.00	14.28	14.39	14.63	14.87
EGPRS (8PSK, 3-Slots)	18.40	18.09	18.59	19.00	13.98	13.67	14.17	14.58
EGPRS (8PSK, 4-Slots)	17.10	16.99	17.38	17.50	13.92	13.81	14.20	14.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	22.26	22.94	23.38	23.50	13.07	13.75	14.19	14.31
GPRS (GMSK, 1-Slot)	22.40	22.76	23.22	23.50	13.21	13.57	14.03	14.31
GPRS (GMSK, 2-Slots)	21.29	22.16	22.34	22.50	15.16	16.03	16.21	16.37
GPRS (GMSK, 3-Slots)	19.65	20.46	20.73	21.00	15.23	16.04	16.31	16.58
GPRS (GMSK, 4-Slots)	18.90	19.39	19.34	20.00	15.72	16.21	16.16	**16.82**
EGPRS (8PSK, 1-Slot)	19.08	18.66	18.45	19.50	9.89	9.47	9.26	10.31
EGPRS (8PSK, 2-Slots)	17.84	17.51	17.16	18.00	11.71	11.38	11.03	11.87
EGPRS (8PSK, 3-Slots)	15.81	15.02	15.02	16.00	11.39	10.60	10.60	11.58
EGPRS (8PSK, 4-Slots)	14.31	13.49	13.48	14.50	11.13	10.31	10.30	11.32

8.1 GSM Output Power

GSM-Full Power-Ant.0								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	32.16	32.14	32.02	33.00	22.97	22.95	22.83	23.81
GPRS (GMSK, 1-Slot)	32.11	32.08	31.95	33.00	22.92	22.89	22.76	23.81
GPRS (GMSK, 2-Slots)	31.36	31.32	31.20	32.00	25.23	25.19	25.07	25.87
GPRS (GMSK, 3-Slots)	29.62	29.60	29.49	30.50	25.20	25.18	25.07	26.08
GPRS (GMSK, 4-Slots)	28.48	28.57	28.47	29.50	25.43	25.39	25.29	**26.32**
EGPRS (8PSK, 1-Slot)	26.28	26.21	26.13	27.00	17.09	17.02	16.94	17.81
EGPRS (8PSK, 2-Slots)	25.25	25.28	25.20	26.00	19.12	19.15	19.07	19.87
EGPRS (8PSK, 3-Slots)	23.34	22.90	23.01	24.00	18.92	18.48	18.59	19.58
EGPRS (8PSK, 4-Slots)	21.76	21.71	21.77	22.50	18.58	18.53	18.59	19.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	28.88	28.81	28.68	29.50	19.69	19.62	19.49	20.31
GPRS (GMSK, 1-Slot)	28.92	28.85	28.68	29.50	19.73	19.66	19.49	20.31
GPRS (GMSK, 2-Slots)	28.18	28.12	27.97	28.50	22.05	21.99	21.84	22.37
GPRS (GMSK, 3-Slots)	26.42	26.43	26.32	27.00	22.00	22.01	21.90	22.58
GPRS (GMSK, 4-Slots)	25.23	25.33	25.49	26.00	22.05	22.15	22.11	**22.82**
EGPRS (8PSK, 1-Slot)	25.48	25.46	25.50	26.00	16.29	16.27	16.31	16.81
EGPRS (8PSK, 2-Slots)	24.23	24.11	24.13	25.00	18.10	17.98	18.00	18.87
EGPRS (8PSK, 3-Slots)	22.21	21.76	21.68	22.50	17.79	17.34	17.26	18.08
EGPRS (8PSK, 4-Slots)	20.44	20.29	20.42	21.00	17.26	17.11	17.24	17.82

GSM-Level1&2&3&4-Ant.0								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	32.16	32.14	32.02	33.00	22.97	22.95	22.83	23.81
GPRS (GMSK, 1-Slot)	32.11	32.08	31.95	33.00	22.92	22.89	22.76	23.81
GPRS (GMSK, 2-Slots)	31.36	31.32	31.20	32.00	25.23	25.19	25.07	25.87
GPRS (GMSK, 3-Slots)	29.62	29.60	29.49	30.50	25.20	25.18	25.07	26.08
GPRS (GMSK, 4-Slots)	28.48	28.57	28.47	29.50	25.43	25.39	25.29	**26.32**
EGPRS (8PSK, 1-Slot)	26.28	26.21	26.13	27.00	17.09	17.02	16.94	17.81
EGPRS (8PSK, 2-Slots)	25.25	25.28	25.20	26.00	19.12	19.15	19.07	19.87
EGPRS (8PSK, 3-Slots)	23.34	22.90	23.01	24.00	18.92	18.48	18.59	19.58
EGPRS (8PSK, 4-Slots)	21.76	21.71	21.77	22.50	18.58	18.53	18.59	19.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	28.88	28.81	28.68	29.50	19.69	19.62	19.49	20.31
GPRS (GMSK, 1-Slot)	28.92	28.85	28.68	29.50	19.73	19.66	19.49	20.31
GPRS (GMSK, 2-Slots)	28.18	28.12	27.97	28.50	22.05	21.99	21.84	22.37
GPRS (GMSK, 3-Slots)	26.42	26.43	26.32	27.00	22.00	22.01	21.90	22.58
GPRS (GMSK, 4-Slots)	25.23	25.33	25.49	26.00	22.05	22.15	22.11	**22.82**
EGPRS (8PSK, 1-Slot)	25.48	25.46	25.50	26.00	16.29	16.27	16.31	16.81
EGPRS (8PSK, 2-Slots)	24.23	24.11	24.13	25.00	18.10	17.98	18.00	18.87
EGPRS (8PSK, 3-Slots)	22.21	21.76	21.68	22.50	17.79	17.34	17.26	18.08
EGPRS (8PSK, 4-Slots)	20.44	20.29	20.42	21.00	17.26	17.11	17.24	17.82

8.2 WCDMA Output Power

WCDMA-Full Power-Ant.4				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	20.70	20.84	20.70	21.50
RMC 12.2Kbps	20.77	20.98	20.86	21.50
HSDPA Subtest-1	21.07	20.98	20.87	21.50
HSDPA Subtest-2	20.95	21.00	21.09	21.50
HSDPA Subtest-3	20.50	20.51	20.58	21.00
HSDPA Subtest-4	20.51	20.49	20.58	21.00
DC-HSDPA Subtest-1	20.98	20.84	20.71	21.50
DC-HSDPA Subtest-2	20.90	20.95	20.98	21.50
DC-HSDPA Subtest-3	20.47	20.32	20.45	21.00
DC-HSDPA Subtest-4	20.41	20.35	20.46	21.00
HSUPA Subtest-1	19.09	19.01	18.95	19.50
HSUPA Subtest-2	18.92	18.98	19.09	19.50
HSUPA Subtest-3	18.91	19.00	18.85	19.50
HSUPA Subtest-4	18.61	18.50	18.59	19.00
HSUPA Subtest-5	19.91	20.00	20.10	20.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	20.69	20.43	20.35	21.00
RMC 12.2Kbps	20.76	20.57	20.49	21.00
HSDPA Subtest-1	20.51	20.59	20.56	21.00
HSDPA Subtest-2	20.65	20.53	20.53	21.00
HSDPA Subtest-3	20.24	20.09	20.09	20.50
HSDPA Subtest-4	19.97	20.04	19.98	20.50
DC-HSDPA Subtest-1	20.39	20.54	20.43	21.00
DC-HSDPA Subtest-2	20.53	20.35	20.45	21.00
DC-HSDPA Subtest-3	20.10	20.05	19.93	20.50
DC-HSDPA Subtest-4	19.95	19.88	19.83	20.50
HSUPA Subtest-1	18.46	18.55	18.40	19.00
HSUPA Subtest-2	18.40	18.55	18.55	19.00
HSUPA Subtest-3	18.67	18.56	18.49	19.00
HSUPA Subtest-4	18.08	18.08	18.03	18.50
HSUPA Subtest-5	19.43	19.55	19.47	20.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	21.24	21.40	21.45	22.00
RMC 12.2Kbps	21.43	21.53	21.56	22.00
HSDPA Subtest-1	21.72	21.58	21.57	22.00
HSDPA Subtest-2	21.64	21.53	21.64	22.00
HSDPA Subtest-3	20.99	21.08	21.16	21.50
HSDPA Subtest-4	21.03	21.04	21.05	21.50
DC-HSDPA Subtest-1	21.71	21.45	21.41	22.00
DC-HSDPA Subtest-2	21.61	21.35	21.62	22.00
DC-HSDPA Subtest-3	20.98	20.97	21.07	21.50
DC-HSDPA Subtest-4	20.92	20.89	20.97	21.50
HSUPA Subtest-1	19.55	19.56	19.56	20.00
HSUPA Subtest-2	19.44	19.54	19.44	20.00
HSUPA Subtest-3	19.43	19.58	19.63	20.00
HSUPA Subtest-4	19.01	19.07	19.14	19.50
HSUPA Subtest-5	20.71	20.56	20.59	21.00

WCDMA-Level1-Ant.4				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	16.42	16.39	16.38	17.00
RMC 12.2Kbps	16.51	16.56	16.56	17.00
HSDPA Subtest-1	16.83	16.72	16.48	17.00
HSDPA Subtest-2	16.46	16.68	16.53	17.00
HSDPA Subtest-3	15.96	16.28	16.31	16.50
HSDPA Subtest-4	16.18	16.24	16.12	16.50
DC-HSDPA Subtest-1	16.72	16.55	16.42	17.00
DC-HSDPA Subtest-2	16.46	16.64	16.50	17.00
DC-HSDPA Subtest-3	15.91	16.12	16.19	16.50
DC-HSDPA Subtest-4	16.03	16.13	16.02	16.50
HSUPA Subtest-1	14.54	14.52	14.44	15.00
HSUPA Subtest-2	14.64	14.40	14.66	15.00
HSUPA Subtest-3	14.52	14.65	14.41	15.00
HSUPA Subtest-4	14.35	14.03	14.35	14.50
HSUPA Subtest-5	15.58	15.51	15.88	16.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	18.05	18.21	18.20	18.50
RMC 12.2Kbps	18.23	18.34	18.20	18.50
HSDPA Subtest-1	18.03	18.03	18.22	18.50
HSDPA Subtest-2	18.23	18.08	18.26	18.50
HSDPA Subtest-3	18.04	17.64	17.49	18.00
HSDPA Subtest-4	17.73	17.82	17.60	18.00
DC-HSDPA Subtest-1	17.99	17.90	18.19	18.50
DC-HSDPA Subtest-2	18.14	17.99	18.22	18.50
DC-HSDPA Subtest-3	17.86	17.48	17.42	18.00
DC-HSDPA Subtest-4	17.66	17.74	17.54	18.00
HSUPA Subtest-1	16.03	16.04	15.87	16.50
HSUPA Subtest-2	15.95	16.03	16.18	16.50
HSUPA Subtest-3	16.44	16.11	16.21	16.50
HSUPA Subtest-4	15.68	15.81	15.57	16.00
HSUPA Subtest-5	17.15	17.33	17.04	17.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	21.24	21.40	21.45	22.00
RMC 12.2Kbps	21.43	21.53	21.56	22.00
HSDPA Subtest-1	21.72	21.58	21.57	22.00
HSDPA Subtest-2	21.64	21.53	21.64	22.00
HSDPA Subtest-3	20.99	21.08	21.16	21.50
HSDPA Subtest-4	21.03	21.04	21.05	21.50
DC-HSDPA Subtest-1	21.71	21.45	21.41	22.00
DC-HSDPA Subtest-2	21.61	21.35	21.62	22.00
DC-HSDPA Subtest-3	20.98	20.97	21.07	21.50
DC-HSDPA Subtest-4	20.92	20.89	20.97	21.50
HSUPA Subtest-1	19.55	19.56	19.56	20.00
HSUPA Subtest-2	19.44	19.54	19.44	20.00
HSUPA Subtest-3	19.43	19.58	19.63	20.00
HSUPA Subtest-4	19.01	19.07	19.14	19.50
HSUPA Subtest-5	20.71	20.56	20.59	21.00

WCDMA-Level2-Ant.4				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	20.70	20.84	20.70	21.50
RMC 12.2Kbps	20.77	20.98	20.86	21.50
HSDPA Subtest-1	21.07	20.98	20.87	21.50
HSDPA Subtest-2	20.95	21.00	21.09	21.50
HSDPA Subtest-3	20.50	20.51	20.58	21.00
HSDPA Subtest-4	20.51	20.49	20.58	21.00
DC-HSDPA Subtest-1	20.98	20.84	20.71	21.50
DC-HSDPA Subtest-2	20.90	20.95	20.98	21.50
DC-HSDPA Subtest-3	20.47	20.32	20.45	21.00
DC-HSDPA Subtest-4	20.41	20.35	20.46	21.00
HSUPA Subtest-1	19.09	19.01	18.95	19.50
HSUPA Subtest-2	18.92	18.98	19.09	19.50
HSUPA Subtest-3	18.91	19.00	18.85	19.50
HSUPA Subtest-4	18.61	18.50	18.59	19.00
HSUPA Subtest-5	19.91	20.00	20.10	20.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	20.69	20.43	20.35	21.00
RMC 12.2Kbps	20.76	20.57	20.49	21.00
HSDPA Subtest-1	20.51	20.59	20.56	21.00
HSDPA Subtest-2	20.65	20.53	20.53	21.00
HSDPA Subtest-3	20.24	20.09	20.09	20.50
HSDPA Subtest-4	19.97	20.04	19.98	20.50
DC-HSDPA Subtest-1	20.39	20.54	20.43	21.00
DC-HSDPA Subtest-2	20.53	20.35	20.45	21.00
DC-HSDPA Subtest-3	20.10	20.05	19.93	20.50
DC-HSDPA Subtest-4	19.95	19.88	19.83	20.50
HSUPA Subtest-1	18.46	18.55	18.40	19.00
HSUPA Subtest-2	18.40	18.55	18.55	19.00
HSUPA Subtest-3	18.67	18.56	18.49	19.00
HSUPA Subtest-4	18.08	18.08	18.03	18.50
HSUPA Subtest-5	19.43	19.55	19.47	20.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	21.24	21.40	21.45	22.00
RMC 12.2Kbps	21.43	21.53	21.56	22.00
HSDPA Subtest-1	21.72	21.58	21.57	22.00
HSDPA Subtest-2	21.64	21.53	21.64	22.00
HSDPA Subtest-3	20.99	21.08	21.16	21.50
HSDPA Subtest-4	21.03	21.04	21.05	21.50
DC-HSDPA Subtest-1	21.71	21.45	21.41	22.00
DC-HSDPA Subtest-2	21.61	21.35	21.62	22.00
DC-HSDPA Subtest-3	20.98	20.97	21.07	21.50
DC-HSDPA Subtest-4	20.92	20.89	20.97	21.50
HSUPA Subtest-1	19.55	19.56	19.56	20.00
HSUPA Subtest-2	19.44	19.54	19.44	20.00
HSUPA Subtest-3	19.43	19.58	19.63	20.00
HSUPA Subtest-4	19.01	19.07	19.14	19.50
HSUPA Subtest-5	20.71	20.56	20.59	21.00

WCDMA-Level3-Ant.4				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	15.06	15.37	15.21	16.00
RMC 12.2Kbps	15.25	15.51	15.21	16.00
HSDPA Subtest-1	15.45	15.63	15.41	16.00
HSDPA Subtest-2	15.63	15.58	15.49	16.00
HSDPA Subtest-3	14.90	14.88	14.90	15.50
HSDPA Subtest-4	14.97	15.03	15.23	15.50
DC-HSDPA Subtest-1	15.35	15.57	15.27	16.00
DC-HSDPA Subtest-2	15.62	15.52	15.49	16.00
DC-HSDPA Subtest-3	14.77	14.72	14.77	15.50
DC-HSDPA Subtest-4	14.90	14.99	15.05	15.50
HSUPA Subtest-1	13.60	13.47	13.26	14.00
HSUPA Subtest-2	13.47	13.46	13.66	14.00
HSUPA Subtest-3	13.49	13.49	13.21	14.00
HSUPA Subtest-4	12.91	12.95	13.12	13.50
HSUPA Subtest-5	14.30	14.70	14.69	15.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	17.28	17.13	17.11	17.50
RMC 12.2Kbps	17.35	17.23	17.17	17.50
HSDPA Subtest-1	17.12	17.28	17.13	17.50
HSDPA Subtest-2	17.01	17.09	17.10	17.50
HSDPA Subtest-3	16.89	16.64	16.79	17.00
HSDPA Subtest-4	16.38	16.55	16.38	17.00
DC-HSDPA Subtest-1	17.12	17.15	17.11	17.50
DC-HSDPA Subtest-2	17.01	16.93	17.01	17.50
DC-HSDPA Subtest-3	16.76	16.47	16.76	17.00
DC-HSDPA Subtest-4	16.26	16.40	16.25	17.00
HSUPA Subtest-1	15.09	15.02	15.00	15.50
HSUPA Subtest-2	15.03	14.90	15.05	15.50
HSUPA Subtest-3	15.07	14.89	14.97	15.50
HSUPA Subtest-4	14.74	14.46	14.64	15.00
HSUPA Subtest-5	16.07	16.22	16.15	16.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	21.24	21.40	21.45	22.00
RMC 12.2Kbps	21.43	21.53	21.56	22.00
HSDPA Subtest-1	21.72	21.58	21.57	22.00
HSDPA Subtest-2	21.64	21.53	21.64	22.00
HSDPA Subtest-3	20.99	21.08	21.16	21.50
HSDPA Subtest-4	21.03	21.04	21.05	21.50
DC-HSDPA Subtest-1	21.71	21.45	21.41	22.00
DC-HSDPA Subtest-2	21.61	21.35	21.62	22.00
DC-HSDPA Subtest-3	20.98	20.97	21.07	21.50
DC-HSDPA Subtest-4	20.92	20.89	20.97	21.50
HSUPA Subtest-1	19.55	19.56	19.56	20.00
HSUPA Subtest-2	19.44	19.54	19.44	20.00
HSUPA Subtest-3	19.43	19.58	19.63	20.00
HSUPA Subtest-4	19.01	19.07	19.14	19.50
HSUPA Subtest-5	20.71	20.56	20.59	21.00

WCDMA-Level4-Ant.4				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	19.78	19.85	19.49	20.50
RMC 12.2Kbps	19.85	19.92	19.67	20.50
HSDPA Subtest-1	20.01	19.94	19.88	20.50
HSDPA Subtest-2	19.92	19.95	20.10	20.50
HSDPA Subtest-3	19.70	19.49	19.57	20.00
HSDPA Subtest-4	19.65	19.60	19.56	20.00
DC-HSDPA Subtest-1	19.99	19.84	19.71	20.50
DC-HSDPA Subtest-2	19.91	19.78	19.91	20.50
DC-HSDPA Subtest-3	19.68	19.30	19.48	20.00
DC-HSDPA Subtest-4	19.51	19.46	19.55	20.00
HSUPA Subtest-1	18.28	18.20	17.76	18.50
HSUPA Subtest-2	17.92	18.08	18.26	18.50
HSUPA Subtest-3	18.10	17.85	17.99	18.50
HSUPA Subtest-4	17.66	17.46	17.79	18.00
HSUPA Subtest-5	19.07	18.81	19.08	19.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	20.69	20.43	20.35	21.00
RMC 12.2Kbps	20.76	20.57	20.49	21.00
HSDPA Subtest-1	20.51	20.59	20.56	21.00
HSDPA Subtest-2	20.65	20.53	20.53	21.00
HSDPA Subtest-3	20.24	20.09	20.09	20.50
HSDPA Subtest-4	19.97	20.04	19.98	20.50
DC-HSDPA Subtest-1	20.39	20.54	20.43	21.00
DC-HSDPA Subtest-2	20.53	20.35	20.45	21.00
DC-HSDPA Subtest-3	20.10	20.05	19.93	20.50
DC-HSDPA Subtest-4	19.95	19.88	19.83	20.50
HSUPA Subtest-1	18.46	18.55	18.40	19.00
HSUPA Subtest-2	18.40	18.55	18.55	19.00
HSUPA Subtest-3	18.67	18.56	18.49	19.00
HSUPA Subtest-4	18.08	18.08	18.03	18.50
HSUPA Subtest-5	19.43	19.55	19.47	20.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	21.43	21.53	21.56	22.00
RMC 12.2Kbps	21.43	21.53	21.56	22.00
HSDPA Subtest-1	21.72	21.58	21.57	22.00
HSDPA Subtest-2	21.64	21.53	21.64	22.00
HSDPA Subtest-3	20.99	21.08	21.16	21.50
HSDPA Subtest-4	21.03	21.04	21.05	21.50
DC-HSDPA Subtest-1	21.72	21.58	21.57	22.00
DC-HSDPA Subtest-2	21.64	21.53	21.64	22.00
DC-HSDPA Subtest-3	20.99	21.08	21.16	21.50
DC-HSDPA Subtest-4	21.03	21.04	21.05	21.50
HSUPA Subtest-1	19.55	19.56	19.56	20.00
HSUPA Subtest-2	19.44	19.54	19.44	20.00
HSUPA Subtest-3	19.43	19.58	19.63	20.00
HSUPA Subtest-4	19.01	19.07	19.14	19.50
HSUPA Subtest-5	20.71	20.56	20.59	21.00

8.2 WCDMA Output Power

WCDMA-Full Power-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	22.71	22.68	22.59	23.00
RMC 12.2Kbps	22.83	22.85	22.65	23.00
HSDPA Subtest-1	22.58	22.86	22.85	23.00
HSDPA Subtest-2	22.68	22.85	22.74	23.00
HSDPA Subtest-3	22.50	22.39	22.36	22.50
HSDPA Subtest-4	22.22	22.36	22.32	22.50
DC-HSDPA Subtest-1	22.41	22.68	22.69	23.00
DC-HSDPA Subtest-2	22.57	22.69	22.59	23.00
DC-HSDPA Subtest-3	22.38	22.37	22.19	22.50
DC-HSDPA Subtest-4	22.06	22.17	22.18	22.50
HSUPA Subtest-1	21.30	21.26	21.24	22.50
HSUPA Subtest-2	20.99	20.84	20.98	21.00
HSUPA Subtest-3	20.82	20.84	20.92	21.00
HSUPA Subtest-4	20.26	20.38	20.24	20.50
HSUPA Subtest-5	21.84	21.87	21.83	22.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	22.64	22.40	22.36	23.00
RMC 12.2Kbps	22.77	22.57	22.51	23.00
HSDPA Subtest-1	22.68	22.56	22.68	23.00
HSDPA Subtest-2	22.52	22.56	22.59	23.00
HSDPA Subtest-3	22.00	22.08	21.96	22.50
HSDPA Subtest-4	21.98	22.02	21.96	22.50
DC-HSDPA Subtest-1	22.68	22.56	22.54	23.00
DC-HSDPA Subtest-2	22.41	22.42	22.46	23.00
DC-HSDPA Subtest-3	21.96	22.05	21.88	22.50
DC-HSDPA Subtest-4	21.92	21.84	21.78	22.50
HSUPA Subtest-1	20.47	20.52	20.53	21.00
HSUPA Subtest-2	20.58	20.55	20.57	21.00
HSUPA Subtest-3	20.60	20.54	20.63	21.00
HSUPA Subtest-4	20.04	20.05	19.93	20.50
HSUPA Subtest-5	21.54	21.51	21.57	22.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	22.75	22.77	22.77	23.50
RMC 12.2Kbps	22.76	22.80	22.81	23.50
HSDPA Subtest-1	22.91	22.81	22.77	23.50
HSDPA Subtest-2	22.89	22.79	22.93	23.50
HSDPA Subtest-3	22.45	22.30	22.34	23.00
HSDPA Subtest-4	22.12	22.26	22.30	23.00
DC-HSDPA Subtest-1	22.79	22.81	22.65	23.50
DC-HSDPA Subtest-2	22.83	22.66	22.87	23.50
DC-HSDPA Subtest-3	22.37	22.25	22.21	23.00
DC-HSDPA Subtest-4	21.97	22.09	22.22	23.00
HSUPA Subtest-1	20.71	20.77	20.76	21.50
HSUPA Subtest-2	20.63	20.78	20.67	21.50
HSUPA Subtest-3	20.74	20.80	20.73	21.50
HSUPA Subtest-4	20.24	20.34	20.40	21.00
HSUPA Subtest-5	21.78	21.81	21.75	22.50

WCDMA-Level1&2&3-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	22.71	22.68	22.59	23.00
RMC 12.2Kbps	22.83	22.85	22.65	23.00
HSDPA Subtest-1	22.58	22.86	22.85	23.00
HSDPA Subtest-2	22.68	22.85	22.74	23.00
HSDPA Subtest-3	22.50	22.39	22.36	22.50
HSDPA Subtest-4	22.22	22.36	22.32	22.50
DC-HSDPA Subtest-1	22.41	22.68	22.69	23.00
DC-HSDPA Subtest-2	22.57	22.69	22.59	23.00
DC-HSDPA Subtest-3	22.38	22.37	22.19	22.50
DC-HSDPA Subtest-4	22.06	22.17	22.18	22.50
HSUPA Subtest-1	21.30	21.26	21.24	22.50
HSUPA Subtest-2	20.99	20.84	20.98	21.00
HSUPA Subtest-3	20.82	20.84	20.92	21.00
HSUPA Subtest-4	20.26	20.38	20.24	20.50
HSUPA Subtest-5	21.84	21.87	21.83	22.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	22.64	22.40	22.36	23.00
RMC 12.2Kbps	22.77	22.57	22.51	23.00
HSDPA Subtest-1	22.68	22.56	22.68	23.00
HSDPA Subtest-2	22.52	22.56	22.59	23.00
HSDPA Subtest-3	22.00	22.08	21.96	22.50
HSDPA Subtest-4	21.98	22.02	21.96	22.50
DC-HSDPA Subtest-1	22.68	22.56	22.54	23.00
DC-HSDPA Subtest-2	22.41	22.42	22.46	23.00
DC-HSDPA Subtest-3	21.96	22.05	21.88	22.50
DC-HSDPA Subtest-4	21.92	21.84	21.78	22.50
HSUPA Subtest-1	20.47	20.52	20.53	21.00
HSUPA Subtest-2	20.58	20.55	20.57	21.00
HSUPA Subtest-3	20.60	20.54	20.63	21.00
HSUPA Subtest-4	20.04	20.05	19.93	20.50
HSUPA Subtest-5	21.54	21.51	21.57	22.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	22.75	22.77	22.77	23.50
RMC 12.2Kbps	22.76	22.80	22.81	23.50
HSDPA Subtest-1	22.91	22.81	22.77	23.50
HSDPA Subtest-2	22.89	22.79	22.93	23.50
HSDPA Subtest-3	22.45	22.30	22.34	23.00
HSDPA Subtest-4	22.12	22.26	22.30	23.00
DC-HSDPA Subtest-1	22.79	22.81	22.65	23.50
DC-HSDPA Subtest-2	22.83	22.66	22.87	23.50
DC-HSDPA Subtest-3	22.37	22.25	22.21	23.00
DC-HSDPA Subtest-4	21.97	22.09	22.22	23.00
HSUPA Subtest-1	20.71	20.77	20.76	21.50
HSUPA Subtest-2	20.63	20.78	20.67	21.50
HSUPA Subtest-3	20.74	20.80	20.73	21.50
HSUPA Subtest-4	20.24	20.34	20.40	21.00
HSUPA Subtest-5	21.78	21.81	21.75	22.50

WCDMA-Level4-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	19.70	19.72	19.47	20.00
RMC 12.2Kbps	19.85	19.79	19.62	20.00
HSDPA Subtest-1	19.62	19.70	19.96	20.00
HSDPA Subtest-2	19.88	19.87	19.67	20.00
HSDPA Subtest-3	19.39	19.40	19.49	19.50
HSDPA Subtest-4	19.17	19.44	19.35	19.50
DC-HSDPA Subtest-1	19.60	19.67	19.82	20.00
DC-HSDPA Subtest-2	19.78	19.83	19.48	20.00
DC-HSDPA Subtest-3	19.33	19.25	19.32	19.50
DC-HSDPA Subtest-4	19.10	19.27	19.20	19.50
HSUPA Subtest-1	18.39	18.26	18.41	19.50
HSUPA Subtest-2	17.86	17.96	17.79	18.00
HSUPA Subtest-3	17.80	18.02	17.80	18.00
HSUPA Subtest-4	17.12	17.53	17.15	17.50
HSUPA Subtest-5	18.92	18.68	18.82	19.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	20.64	20.54	20.54	21.00
RMC 12.2Kbps	20.65	20.68	20.63	21.00
HSDPA Subtest-1	20.84	20.58	20.56	21.00
HSDPA Subtest-2	20.65	20.59	20.66	21.00
HSDPA Subtest-3	19.95	19.90	19.84	20.50
HSDPA Subtest-4	19.78	20.08	19.81	20.50
DC-HSDPA Subtest-1	20.84	20.43	20.50	21.00
DC-HSDPA Subtest-2	20.57	20.55	20.48	21.00
DC-HSDPA Subtest-3	19.82	19.82	19.72	20.50
DC-HSDPA Subtest-4	19.61	19.92	19.81	20.50
HSUPA Subtest-1	18.52	18.42	18.33	19.00
HSUPA Subtest-2	18.54	18.49	18.52	19.00
HSUPA Subtest-3	18.74	18.53	18.58	19.00
HSUPA Subtest-4	18.01	18.02	17.96	18.50
HSUPA Subtest-5	19.44	19.35	19.56	20.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	22.75	22.77	22.77	23.50
RMC 12.2Kbps	22.76	22.80	22.81	23.50
HSDPA Subtest-1	22.91	22.81	22.77	23.50
HSDPA Subtest-2	22.89	22.79	22.93	23.50
HSDPA Subtest-3	22.45	22.30	22.34	23.00
HSDPA Subtest-4	22.12	22.26	22.30	23.00
DC-HSDPA Subtest-1	22.79	22.81	22.65	23.50
DC-HSDPA Subtest-2	22.83	22.66	22.87	23.50
DC-HSDPA Subtest-3	22.37	22.25	22.21	23.00
DC-HSDPA Subtest-4	21.97	22.09	22.22	23.00
HSUPA Subtest-1	20.71	20.77	20.76	21.50
HSUPA Subtest-2	20.63	20.78	20.67	21.50
HSUPA Subtest-3	20.74	20.80	20.73	21.50
HSUPA Subtest-4	20.24	20.34	20.40	21.00
HSUPA Subtest-5	21.78	21.81	21.75	22.50

8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.79	20.12	20.35	21.00
		MID	QPSK	19.76	20.15	20.36	21.00
		HIGH	QPSK	19.83	20.19	20.36	21.00
	3	LOW	QPSK	19.87	20.17	20.47	21.00
		MID	QPSK	19.89	20.15	**20.51**	21.00
		HIGH	QPSK	19.88	20.15	20.46	21.00
	6	LOW	QPSK	18.92	19.21	19.44	20.00
1.4	1	LOW	Q16	18.98	19.59	19.44	20.00
		MID	Q16	19.00	19.54	19.42	20.00
		HIGH	Q16	19.00	19.60	19.45	20.00
	3	LOW	Q16	18.93	19.39	19.57	20.00
		MID	Q16	18.92	19.32	19.58	20.00
		HIGH	Q16	18.95	19.35	19.56	20.00
	6	LOW	Q16	18.03	18.09	18.59	19.00
1.4	1	LOW	64QAM	17.85	18.74	18.41	19.00
		MID	64QAM	18.05	18.55	18.41	19.00
		HIGH	64QAM	17.88	18.73	18.53	19.00
	3	LOW	64QAM	17.80	18.38	18.72	19.00
		MID	64QAM	17.79	18.44	18.55	19.00
		HIGH	64QAM	17.96	18.21	18.46	19.00
	6	LOW	64QAM	17.14	17.08	17.49	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	19.79	20.20	20.19	21.00
		MID	QPSK	19.86	20.22	**20.32**	21.00
		HIGH	QPSK	19.83	20.18	20.29	21.00
	8	LOW	QPSK	19.25	19.11	19.48	20.00
		MID	QPSK	18.95	19.05	19.40	20.00
		HIGH	QPSK	19.06	19.31	19.49	20.00
	15	LOW	QPSK	19.01	19.11	19.32	20.00
3	1	LOW	Q16	19.58	19.52	19.76	20.00
		MID	Q16	19.45	19.51	19.72	20.00
		HIGH	Q16	19.29	19.57	19.72	20.00
	8	LOW	Q16	18.21	18.02	18.32	19.00
		MID	Q16	17.96	18.29	18.23	19.00
		HIGH	Q16	17.78	18.14	18.33	19.00
	15	LOW	Q16	17.92	18.19	18.38	19.00
3	1	LOW	64QAM	18.39	18.41	18.73	19.00
		MID	64QAM	18.52	18.58	18.84	19.00
		HIGH	64QAM	18.42	18.49	18.87	19.00
	8	LOW	64QAM	17.05	17.19	17.62	19.00
		MID	64QAM	17.14	17.10	17.25	19.00
		HIGH	64QAM	17.00	17.33	17.51	19.00
	15	LOW	64QAM	17.16	17.10	17.42	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	19.70	19.98	20.31	21.00
		MID	QPSK	20.03	20.39	20.36	21.00
		HIGH	QPSK	19.93	20.15	**20.41**	21.00
	12	LOW	QPSK	19.13	19.21	19.41	20.00
		MID	QPSK	19.00	19.20	19.42	20.00
		HIGH	QPSK	18.86	19.27	19.52	20.00
	25	LOW	QPSK	18.98	19.31	19.59	20.00
5	1	LOW	Q16	19.56	19.62	19.59	20.00
		MID	Q16	19.46	19.78	19.90	20.00
		HIGH	Q16	19.37	19.38	19.68	20.00
	12	LOW	Q16	18.21	17.98	18.35	19.00
		MID	Q16	18.06	18.19	18.45	19.00
		HIGH	Q16	18.00	18.09	18.47	19.00
	25	LOW	Q16	18.04	18.10	18.59	19.00
5	1	LOW	64QAM	18.44	18.45	18.56	19.00
		MID	64QAM	18.67	18.77	18.66	19.00
		HIGH	64QAM	18.31	18.43	18.84	19.00
	12	LOW	64QAM	16.94	17.21	17.44	18.00
		MID	64QAM	17.01	17.16	17.25	18.00
		HIGH	64QAM	16.83	17.21	17.31	18.00
	25	LOW	64QAM	16.89	17.09	17.34	18.00

LTE B2-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	19.95	20.01	20.14	21.00
		MID	QPSK	19.90	20.25	**20.31**	21.00
		HIGH	QPSK	19.94	20.15	20.13	21.00
	25	LOW	QPSK	19.18	19.20	19.63	20.00
		MID	QPSK	19.10	19.20	19.50	20.00
		HIGH	QPSK	18.96	19.22	19.41	20.00
	50	LOW	QPSK	18.96	19.07	19.34	20.00
10	1	LOW	Q16	19.54	19.62	19.66	20.00
		MID	Q16	19.50	19.60	19.90	20.00
		HIGH	Q16	19.30	19.59	19.67	20.00
	25	LOW	Q16	17.94	18.26	18.34	19.00
		MID	Q16	17.85	18.15	18.29	19.00
		HIGH	Q16	17.81	18.30	18.36	19.00
	50	LOW	Q16	18.15	18.06	18.55	19.00
10	1	LOW	64QAM	18.47	18.55	18.78	19.00
		MID	64QAM	18.68	18.77	18.76	19.00
		HIGH	64QAM	18.48	18.64	18.84	19.00
	25	LOW	64QAM	17.17	17.27	17.50	18.00
		MID	64QAM	16.85	17.06	17.45	18.00
		HIGH	64QAM	16.92	17.14	17.48	18.00
	50	LOW	64QAM	16.98	17.24	17.47	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	19.87	20.25	20.13	21.00
		MID	QPSK	20.03	**20.39**	20.27	21.00
		HIGH	QPSK	19.91	20.14	20.14	21.00
	36	LOW	QPSK	19.21	19.00	19.43	20.00
		MID	QPSK	19.14	19.25	19.39	20.00
		HIGH	QPSK	18.83	19.36	19.56	20.00
	75	LOW	QPSK	18.85	19.21	19.59	20.00
15	1	LOW	Q16	19.30	19.53	19.60	20.00
		MID	Q16	19.70	19.64	19.91	20.00
		HIGH	Q16	19.53	19.62	19.88	20.00
	36	LOW	Q16	18.13	18.21	18.49	19.00
		MID	Q16	18.03	18.21	18.28	19.00
		HIGH	Q16	17.80	18.37	18.44	19.00
	75	LOW	Q16	18.11	18.29	18.41	19.00
15	1	LOW	64QAM	18.47	18.44	18.63	19.00
		MID	64QAM	18.60	18.63	18.92	19.00
		HIGH	64QAM	18.37	18.64	18.76	19.00
	36	LOW	64QAM	17.06	17.26	17.34	18.00
		MID	64QAM	17.04	17.17	17.38	18.00
		HIGH	64QAM	16.90	17.24	17.33	18.00
	75	LOW	64QAM	17.03	17.08	17.58	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	19.80	20.11	20.21	21.00
		MID	QPSK	19.93	20.25	**20.30**	21.00
		HIGH	QPSK	19.94	20.11	20.28	21.00
	50	LOW	QPSK	19.11	19.11	19.50	20.00
		MID	QPSK	19.05	19.17	19.40	20.00
		HIGH	QPSK	18.93	19.22	19.46	20.00
	100	LOW	QPSK	18.99	19.18	19.45	20.00
20	1	LOW	Q16	19.43	19.48	19.68	20.00
		MID	Q16	19.57	19.65	19.79	20.00
		HIGH	Q16	19.44	19.50	19.75	20.00
	50	LOW	Q16	18.09	18.13	18.47	19.00
		MID	Q16	17.99	18.20	18.37	19.00
		HIGH	Q16	17.91	18.23	18.44	19.00
	100	LOW	Q16	18.01	18.18	18.45	19.00
20	1	LOW	64QAM	18.40	18.46	18.72	19.00
		MID	64QAM	18.45	18.78	18.81	19.00
		HIGH	64QAM	18.44	18.55	18.62	19.00
	50	LOW	64QAM	17.05	17.05	17.43	18.00
		MID	64QAM	16.95	17.34	17.26	18.00
		HIGH	64QAM	17.03	17.18	17.43	18.00
	100	LOW	64QAM	17.08	17.16	17.44	18.00

LTE B2-Level1 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	16.13	15.92	16.01	17.00
		MID	QPSK	15.98	15.92	16.11	17.00
		HIGH	QPSK	16.06	15.90	16.00	17.00
	3	LOW	QPSK	16.13	15.92	16.02	17.00
		MID	QPSK	15.96	16.14	16.09	17.00
		HIGH	QPSK	16.14	16.19	16.00	17.00
	6	LOW	QPSK	16.13	16.16	15.90	17.00
1.4	1	LOW	Q16	16.20	15.96	16.18	17.00
		MID	Q16	15.97	16.10	16.05	17.00
		HIGH	Q16	16.06	16.04	16.14	17.00
	3	LOW	Q16	16.10	16.11	15.91	17.00
		MID	Q16	15.93	16.04	15.96	17.00
		HIGH	Q16	16.18	16.05	15.96	17.00
	6	LOW	Q16	16.04	16.05	16.00	17.00
1.4	1	LOW	64QAM	15.93	16.00	16.14	17.00
		MID	64QAM	16.04	16.19	16.20	17.00
		HIGH	64QAM	16.13	15.94	15.95	17.00
	3	LOW	64QAM	16.18	16.19	16.13	17.00
		MID	64QAM	15.94	16.05	16.04	17.00
		HIGH	64QAM	15.90	15.99	16.06	17.00
	6	LOW	64QAM	16.03	16.18	16.13	17.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	16.12	16.18	16.03	17.00
		MID	QPSK	16.16	15.92	16.09	17.00
		HIGH	QPSK	16.19	15.98	15.91	17.00
	8	LOW	QPSK	16.10	16.09	15.95	17.00
		MID	QPSK	16.15	16.19	16.10	17.00
		HIGH	QPSK	15.92	16.09	16.18	17.00
	15	LOW	QPSK	16.13	15.92	16.01	17.00
3	1	LOW	Q16	15.97	15.92	16.06	17.00
		MID	Q16	16.00	16.16	16.07	17.00
		HIGH	Q16	15.97	16.08	16.17	17.00
	8	LOW	Q16	16.12	15.94	15.94	17.00
		MID	Q16	16.13	15.91	15.98	17.00
		HIGH	Q16	15.98	16.19	16.19	17.00
	15	LOW	Q16	16.16	15.91	16.11	17.00
3	1	LOW	64QAM	16.07	16.05	15.99	17.00
		MID	64QAM	16.15	16.06	15.90	17.00
		HIGH	64QAM	16.04	15.91	16.09	17.00
	8	LOW	64QAM	16.16	15.95	16.17	17.00
		MID	64QAM	16.08	16.17	16.13	17.00
		HIGH	64QAM	16.20	16.05	15.96	17.00
	15	LOW	64QAM	16.02	16.19	16.02	17.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	15.94	15.97	16.07	17.00
		MID	QPSK	16.16	16.18	16.01	17.00
		HIGH	QPSK	16.14	15.90	16.11	17.00
	12	LOW	QPSK	16.20	15.92	16.01	17.00
		MID	QPSK	16.12	16.15	15.93	17.00
		HIGH	QPSK	16.08	16.01	16.07	17.00
	25	LOW	QPSK	16.12	16.05	15.94	17.00
5	1	LOW	Q16	16.20	16.19	16.19	17.00
		MID	Q16	16.18	15.90	16.15	17.00
		HIGH	Q16	16.11	16.06	15.90	17.00
	12	LOW	Q16	16.19	16.01	15.98	17.00
		MID	Q16	16.09	15.98	15.97	17.00
		HIGH	Q16	15.99	16.07	15.90	17.00
	25	LOW	Q16	15.94	16.07	16.04	17.00
5	1	LOW	64QAM	16.09	16.15	15.94	17.00
		MID	64QAM	16.04	16.07	16.12	17.00
		HIGH	64QAM	16.01	16.03	15.93	17.00
	12	LOW	64QAM	15.91	16.01	16.07	17.00
		MID	64QAM	16.06	15.97	15.99	17.00
		HIGH	64QAM	16.06	15.96	16.07	17.00
	25	LOW	64QAM	16.17	15.91	16.11	17.00

LTE B2-Level1 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	16.02	16.14	15.99	17.00
		MID	QPSK	16.05	16.17	16.19	17.00
		HIGH	QPSK	16.02	16.15	16.20	17.00
	25	LOW	QPSK	16.05	16.05	16.02	17.00
		MID	QPSK	15.90	16.17	16.07	17.00
		HIGH	QPSK	16.09	16.00	16.11	17.00
	50	LOW	QPSK	15.91	16.20	16.13	17.00
10	1	LOW	Q16	16.10	15.98	16.10	17.00
		MID	Q16	16.13	16.15	16.09	17.00
		HIGH	Q16	16.08	15.94	16.17	17.00
	25	LOW	Q16	15.98	15.98	16.19	17.00
		MID	Q16	16.17	16.17	16.18	17.00
		HIGH	Q16	16.20	16.08	15.91	17.00
	50	LOW	Q16	16.13	16.19	16.05	17.00
10	1	LOW	64QAM	15.98	16.13	15.94	17.00
		MID	64QAM	16.15	16.16	15.94	17.00
		HIGH	64QAM	16.06	16.18	16.14	17.00
	25	LOW	64QAM	16.07	16.09	15.96	17.00
		MID	64QAM	16.12	16.17	15.98	17.00
		HIGH	64QAM	16.16	15.96	15.95	17.00
	50	LOW	64QAM	15.99	16.00	15.99	17.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	15.91	16.18	15.92	17.00
		MID	QPSK	16.04	15.99	16.12	17.00
		HIGH	QPSK	15.98	15.90	15.96	17.00
	36	LOW	QPSK	15.94	16.06	16.07	17.00
		MID	QPSK	15.90	16.18	16.13	17.00
		HIGH	QPSK	16.19	16.19	16.06	17.00
	75	LOW	QPSK	15.90	16.10	16.11	17.00
15	1	LOW	Q16	15.90	15.90	16.18	17.00
		MID	Q16	16.07	16.03	15.90	17.00
		HIGH	Q16	15.93	16.14	15.92	17.00
	36	LOW	Q16	16.18	16.05	16.15	17.00
		MID	Q16	16.09	15.94	16.16	17.00
		HIGH	Q16	16.09	16.14	15.93	17.00
	75	LOW	Q16	16.13	16.15	15.98	17.00
15	1	LOW	64QAM	16.00	16.09	16.14	17.00
		MID	64QAM	15.97	15.93	16.05	17.00
		HIGH	64QAM	15.97	15.94	16.12	17.00
	36	LOW	64QAM	16.11	15.93	16.05	17.00
		MID	64QAM	16.04	16.06	16.00	17.00
		HIGH	64QAM	16.04	16.03	16.20	17.00
	75	LOW	64QAM	16.12	16.01	16.06	17.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	16.03	15.95	16.06	17.00
		MID	QPSK	16.13	16.17	16.20	17.00
		HIGH	QPSK	15.92	16.00	16.00	17.00
	50	LOW	QPSK	15.93	15.93	16.06	17.00
		MID	QPSK	15.90	16.08	16.06	17.00
		HIGH	QPSK	16.16	16.09	16.09	17.00
	100	LOW	QPSK	16.09	16.09	16.02	17.00
20	1	LOW	Q16	16.20	15.98	16.09	17.00
		MID	Q16	16.18	16.05	16.19	17.00
		HIGH	Q16	16.09	16.05	16.14	17.00
	50	LOW	Q16	15.98	15.98	16.04	17.00
		MID	Q16	16.03	15.98	16.16	17.00
		HIGH	Q16	16.09	16.13	16.12	17.00
	100	LOW	Q16	16.09	16.06	16.00	17.00
20	1	LOW	64QAM	16.18	15.93	16.09	17.00
		MID	64QAM	15.98	16.12	16.15	17.00
		HIGH	64QAM	15.90	15.97	16.01	17.00
	50	LOW	64QAM	15.96	15.98	15.97	17.00
		MID	64QAM	15.97	16.05	15.94	17.00
		HIGH	64QAM	16.15	16.04	16.18	17.00
	100	LOW	64QAM	15.94	15.91	16.15	17.00

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LTE B2-Level2&4 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.79	20.12	20.35	21.00
		MID	QPSK	19.76	20.15	20.36	21.00
		HIGH	QPSK	19.83	20.19	20.36	21.00
	3	LOW	QPSK	19.87	20.17	20.47	21.00
		MID	QPSK	19.89	20.15	**20.51**	21.00
		HIGH	QPSK	19.88	20.15	20.46	21.00
	6	LOW	QPSK	18.92	19.21	19.44	20.00
1.4	1	LOW	Q16	18.98	19.59	19.44	20.00
		MID	Q16	19.00	19.54	19.42	20.00
		HIGH	Q16	19.00	19.60	19.45	20.00
	3	LOW	Q16	18.93	19.39	19.57	20.00
		MID	Q16	18.92	19.32	19.58	20.00
		HIGH	Q16	18.95	19.35	19.56	20.00
	6	LOW	Q16	18.03	18.09	18.59	19.00
1.4	1	LOW	64QAM	17.85	18.74	18.41	19.00
		MID	64QAM	18.05	18.55	18.41	19.00
		HIGH	64QAM	17.88	18.73	18.53	19.00
	3	LOW	64QAM	17.80	18.38	18.72	19.00
		MID	64QAM	17.79	18.44	18.55	19.00
		HIGH	64QAM	17.96	18.21	18.46	19.00
	6	LOW	64QAM	17.14	17.08	17.49	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	19.79	20.20	20.19	21.00
		MID	QPSK	19.86	20.22	**20.32**	21.00
		HIGH	QPSK	19.83	20.18	20.29	21.00
	8	LOW	QPSK	19.25	19.11	19.48	20.00
		MID	QPSK	18.95	19.05	19.40	20.00
		HIGH	QPSK	19.06	19.31	19.49	20.00
	15	LOW	QPSK	19.01	19.11	19.32	20.00
3	1	LOW	Q16	19.58	19.52	19.76	20.00
		MID	Q16	19.45	19.51	19.72	20.00
		HIGH	Q16	19.29	19.57	19.72	20.00
	8	LOW	Q16	18.21	18.02	18.32	19.00
		MID	Q16	17.96	18.29	18.23	19.00
		HIGH	Q16	17.78	18.14	18.33	19.00
	15	LOW	Q16	17.92	18.19	18.38	19.00
3	1	LOW	64QAM	18.39	18.41	18.73	19.00
		MID	64QAM	18.52	18.58	18.84	19.00
		HIGH	64QAM	18.42	18.49	18.87	19.00
	8	LOW	64QAM	17.05	17.19	17.62	19.00
		MID	64QAM	17.14	17.10	17.25	19.00
		HIGH	64QAM	17.00	17.33	17.51	19.00
	15	LOW	64QAM	17.16	17.10	17.42	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	19.70	19.98	20.31	21.00
		MID	QPSK	20.03	20.39	20.36	21.00
		HIGH	QPSK	19.93	20.15	**20.41**	21.00
	12	LOW	QPSK	19.13	19.21	19.41	20.00
		MID	QPSK	19.00	19.20	19.42	20.00
		HIGH	QPSK	18.86	19.27	19.52	20.00
	25	LOW	QPSK	18.98	19.31	19.59	20.00
5	1	LOW	Q16	19.56	19.62	19.59	20.00
		MID	Q16	19.46	19.78	19.90	20.00
		HIGH	Q16	19.37	19.38	19.68	20.00
	12	LOW	Q16	18.21	17.98	18.35	19.00
		MID	Q16	18.06	18.19	18.45	19.00
		HIGH	Q16	18.00	18.09	18.47	19.00
	25	LOW	Q16	18.04	18.10	18.59	19.00
5	1	LOW	64QAM	18.44	18.45	18.56	19.00
		MID	64QAM	18.67	18.77	18.66	19.00
		HIGH	64QAM	18.31	18.43	18.84	19.00
	12	LOW	64QAM	16.94	17.21	17.44	18.00
		MID	64QAM	17.01	17.16	17.25	18.00
		HIGH	64QAM	16.83	17.21	17.31	18.00
	25	LOW	64QAM	16.89	17.09	17.34	18.00

LTE B2-Level2&4 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	19.95	20.01	20.14	21.00
		MID	QPSK	19.90	20.25	**20.31**	21.00
		HIGH	QPSK	19.94	20.15	20.13	21.00
	25	LOW	QPSK	19.18	19.20	19.63	20.00
		MID	QPSK	19.10	19.20	19.50	20.00
		HIGH	QPSK	18.96	19.22	19.41	20.00
	50	LOW	QPSK	18.96	19.07	19.34	20.00
10	1	LOW	Q16	19.54	19.62	19.66	20.00
		MID	Q16	19.50	19.60	19.90	20.00
		HIGH	Q16	19.30	19.59	19.67	20.00
	25	LOW	Q16	17.94	18.26	18.34	19.00
		MID	Q16	17.85	18.15	18.29	19.00
		HIGH	Q16	17.81	18.30	18.36	19.00
	50	LOW	Q16	18.15	18.06	18.55	19.00
10	1	LOW	64QAM	18.47	18.55	18.78	19.00
		MID	64QAM	18.68	18.77	18.76	19.00
		HIGH	64QAM	18.48	18.64	18.84	19.00
	25	LOW	64QAM	17.17	17.27	17.50	18.00
		MID	64QAM	16.85	17.06	17.45	18.00
		HIGH	64QAM	16.92	17.14	17.48	18.00
	50	LOW	64QAM	16.98	17.24	17.47	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	19.87	20.25	20.13	21.00
		MID	QPSK	20.03	**20.39**	20.27	21.00
		HIGH	QPSK	19.91	20.14	20.14	21.00
	36	LOW	QPSK	19.21	19.00	19.43	20.00
		MID	QPSK	19.14	19.25	19.39	20.00
		HIGH	QPSK	18.83	19.36	19.56	20.00
	75	LOW	QPSK	18.85	19.21	19.59	20.00
15	1	LOW	Q16	19.30	19.53	19.60	20.00
		MID	Q16	19.70	19.64	19.91	20.00
		HIGH	Q16	19.53	19.62	19.88	20.00
	36	LOW	Q16	18.13	18.21	18.49	19.00
		MID	Q16	18.03	18.21	18.28	19.00
		HIGH	Q16	17.80	18.37	18.44	19.00
	75	LOW	Q16	18.11	18.29	18.41	19.00
15	1	LOW	64QAM	18.47	18.44	18.63	19.00
		MID	64QAM	18.60	18.63	18.92	19.00
		HIGH	64QAM	18.37	18.64	18.76	19.00
	36	LOW	64QAM	17.06	17.26	17.34	18.00
		MID	64QAM	17.04	17.17	17.38	18.00
		HIGH	64QAM	16.90	17.24	17.33	18.00
	75	LOW	64QAM	17.03	17.08	17.58	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	19.80	20.11	20.21	21.00
		MID	QPSK	19.93	20.25	**20.30**	21.00
		HIGH	QPSK	19.94	20.11	20.28	21.00
	50	LOW	QPSK	19.11	19.11	19.50	20.00
		MID	QPSK	19.05	19.17	19.40	20.00
		HIGH	QPSK	18.93	19.22	19.46	20.00
	100	LOW	QPSK	18.99	19.18	19.45	20.00
20	1	LOW	Q16	19.43	19.48	19.68	20.00
		MID	Q16	19.57	19.65	19.79	20.00
		HIGH	Q16	19.44	19.50	19.75	20.00
	50	LOW	Q16	18.09	18.13	18.47	19.00
		MID	Q16	17.99	18.20	18.37	19.00
		HIGH	Q16	17.91	18.23	18.44	19.00
	100	LOW	Q16	18.01	18.18	18.45	19.00
20	1	LOW	64QAM	18.40	18.46	18.72	19.00
		MID	64QAM	18.45	18.78	18.81	19.00
		HIGH	64QAM	18.44	18.55	18.62	19.00
	50	LOW	64QAM	17.05	17.05	17.43	18.00
		MID	64QAM	16.95	17.34	17.26	18.00
		HIGH	64QAM	17.03	17.18	17.43	18.00
	100	LOW	64QAM	17.08	17.16	17.44	18.00

LTE B2-Level3 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	15.13	15.17	15.13	16.00
		MID	QPSK	15.03	15.03	15.09	16.00
		HIGH	QPSK	15.08	15.16	15.07	16.00
	3	LOW	QPSK	15.12	15.18	14.98	16.00
		MID	QPSK	15.20	14.92	15.11	16.00
		HIGH	QPSK	14.97	15.01	14.93	16.00
	6	LOW	QPSK	15.06	15.00	15.01	16.00
1.4	1	LOW	Q16	15.17	14.97	14.96	16.00
		MID	Q16	14.97	15.19	15.17	16.00
		HIGH	Q16	15.12	14.96	15.20	16.00
	3	LOW	Q16	15.09	15.11	15.05	16.00
		MID	Q16	14.99	15.18	14.94	16.00
		HIGH	Q16	15.19	15.17	14.90	16.00
	6	LOW	Q16	14.90	15.06	15.18	16.00
1.4	1	LOW	64QAM	15.04	15.12	15.10	16.00
		MID	64QAM	15.02	14.99	14.94	16.00
		HIGH	64QAM	15.17	14.90	15.03	16.00
	3	LOW	64QAM	15.10	15.04	14.97	16.00
		MID	64QAM	15.02	14.98	14.95	16.00
		HIGH	64QAM	15.02	15.14	14.91	16.00
	6	LOW	64QAM	14.98	15.06	14.91	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	15.08	15.04	15.20	16.00
		MID	QPSK	15.01	15.05	15.10	16.00
		HIGH	QPSK	15.13	14.90	15.09	16.00
	8	LOW	QPSK	15.02	15.05	15.17	16.00
		MID	QPSK	15.01	15.10	14.92	16.00
		HIGH	QPSK	15.02	15.01	15.10	16.00
	15	LOW	QPSK	15.09	14.94	15.03	16.00
3	1	LOW	Q16	15.08	15.14	15.16	16.00
		MID	Q16	14.94	15.05	15.07	16.00
		HIGH	Q16	15.05	15.09	15.02	16.00
	8	LOW	Q16	15.08	14.90	14.94	16.00
		MID	Q16	14.95	15.05	15.01	16.00
		HIGH	Q16	14.90	15.05	15.11	16.00
	15	LOW	Q16	15.06	14.92	15.18	16.00
3	1	LOW	64QAM	14.96	15.15	14.94	16.00
		MID	64QAM	15.05	15.10	15.05	16.00
		HIGH	64QAM	14.90	14.99	15.07	16.00
	8	LOW	64QAM	15.05	15.00	15.09	16.00
		MID	64QAM	15.20	14.93	14.98	16.00
		HIGH	64QAM	15.12	15.13	15.09	16.00
	15	LOW	64QAM	15.15	14.93	15.02	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	15.16	15.08	15.18	16.00
		MID	QPSK	14.97	14.90	15.01	16.00
		HIGH	QPSK	14.95	15.10	15.01	16.00
	12	LOW	QPSK	15.17	15.20	14.99	16.00
		MID	QPSK	15.14	15.06	14.98	16.00
		HIGH	QPSK	15.08	15.00	15.16	16.00
	25	LOW	QPSK	15.08	15.15	15.18	16.00
5	1	LOW	Q16	15.08	15.14	15.15	16.00
		MID	Q16	15.08	15.04	15.17	16.00
		HIGH	Q16	14.95	15.04	15.15	16.00
	12	LOW	Q16	14.91	15.13	14.93	16.00
		MID	Q16	15.11	15.11	15.14	16.00
		HIGH	Q16	15.05	14.98	15.19	16.00
	25	LOW	Q16	15.00	14.92	14.92	16.00
5	1	LOW	64QAM	14.90	15.20	14.92	16.00
		MID	64QAM	15.02	15.02	15.02	16.00
		HIGH	64QAM	14.99	14.93	15.19	16.00
	12	LOW	64QAM	15.18	14.90	15.12	16.00
		MID	64QAM	14.98	15.07	15.19	16.00
		HIGH	64QAM	15.20	15.06	14.96	16.00
	25	LOW	64QAM	15.08	15.08	15.09	16.00

LTE B2-Level3 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	15.09	14.99	15.05	16.00
		MID	QPSK	14.94	15.06	15.02	16.00
		HIGH	QPSK	15.13	15.00	14.92	16.00
	25	LOW	QPSK	14.95	15.08	15.05	16.00
		MID	QPSK	15.15	14.95	15.05	16.00
		HIGH	QPSK	15.18	14.92	15.09	16.00
	50	LOW	QPSK	15.07	15.14	15.15	16.00
10	1	LOW	Q16	14.97	15.11	15.00	16.00
		MID	Q16	15.01	15.12	15.12	16.00
		HIGH	Q16	15.01	15.20	15.05	16.00
	25	LOW	Q16	15.14	14.99	15.17	16.00
		MID	Q16	15.04	15.15	15.20	16.00
		HIGH	Q16	14.95	14.97	15.00	16.00
	50	LOW	Q16	15.02	15.05	14.95	16.00
10	1	LOW	64QAM	14.90	15.20	15.03	16.00
		MID	64QAM	14.97	15.08	14.95	16.00
		HIGH	64QAM	15.07	15.14	14.98	16.00
	25	LOW	64QAM	15.10	15.01	15.12	16.00
		MID	64QAM	15.12	15.02	15.01	16.00
		HIGH	64QAM	15.10	15.04	15.09	16.00
	50	LOW	64QAM	15.06	14.91	14.93	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	15.17	15.04	15.12	16.00
		MID	QPSK	14.97	15.08	14.93	16.00
		HIGH	QPSK	15.09	15.20	15.09	16.00
	36	LOW	QPSK	15.09	15.16	14.90	16.00
		MID	QPSK	14.96	15.06	14.99	16.00
		HIGH	QPSK	15.03	15.12	14.90	16.00
	75	LOW	QPSK	15.05	15.00	15.07	16.00
15	1	LOW	Q16	15.15	15.08	14.94	16.00
		MID	Q16	15.11	15.02	14.99	16.00
		HIGH	Q16	14.98	15.02	14.99	16.00
	36	LOW	Q16	15.06	14.95	15.08	16.00
		MID	Q16	15.09	15.00	15.06	16.00
		HIGH	Q16	15.07	15.04	15.08	16.00
	75	LOW	Q16	15.15	15.11	15.00	16.00
15	1	LOW	64QAM	15.11	15.04	14.99	16.00
		MID	64QAM	15.05	15.07	14.96	16.00
		HIGH	64QAM	15.07	15.06	15.16	16.00
	36	LOW	64QAM	15.06	15.14	15.17	16.00
		MID	64QAM	15.07	15.13	15.11	16.00
		HIGH	64QAM	15.17	15.01	15.19	16.00
	75	LOW	64QAM	14.92	14.92	15.11	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	15.18	15.09	15.19	16.00
		MID	QPSK	14.93	14.97	15.04	16.00
		HIGH	QPSK	15.00	14.96	15.00	16.00
	50	LOW	QPSK	14.99	15.11	15.12	16.00
		MID	QPSK	14.96	14.92	14.98	16.00
		HIGH	QPSK	15.13	15.07	15.17	16.00
	100	LOW	QPSK	14.91	14.92	15.19	16.00
20	1	LOW	Q16	15.20	15.10	14.90	16.00
		MID	Q16	15.14	15.06	15.18	16.00
		HIGH	Q16	15.18	14.90	15.10	16.00
	50	LOW	Q16	15.11	14.96	15.06	16.00
		MID	Q16	15.06	14.95	15.11	16.00
		HIGH	Q16	14.99	15.19	15.07	16.00
	100	LOW	Q16	14.90	15.02	15.10	16.00
20	1	LOW	64QAM	15.09	14.95	15.09	16.00
		MID	64QAM	14.99	15.07	15.11	16.00
		HIGH	64QAM	14.90	15.16	15.08	16.00
	50	LOW	64QAM	15.16	15.02	15.13	16.00
		MID	64QAM	14.92	14.91	15.06	16.00
		HIGH	64QAM	14.97	14.95	14.97	16.00
	100	LOW	64QAM	15.15	14.98	15.19	16.00

8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.58	22.47	22.40	23.00
		MID	QPSK	22.60	22.41	22.38	23.00
		HIGH	QPSK	22.60	22.42	22.39	23.00
	3	LOW	QPSK	22.68	22.52	22.42	23.00
		MID	QPSK	**22.73**	22.50	22.47	23.00
		HIGH	QPSK	22.67	22.49	22.44	23.00
	6	LOW	QPSK	21.67	21.50	21.50	22.00
1.4	1	LOW	Q16	21.66	21.64	21.86	22.00
		MID	Q16	21.66	21.64	21.83	22.00
		HIGH	Q16	21.68	21.65	21.83	22.00
	3	LOW	Q16	21.80	21.54	21.71	22.00
		MID	Q16	21.80	21.52	21.69	22.00
		HIGH	Q16	21.80	21.53	21.67	22.00
	6	LOW	Q16	20.80	20.63	20.35	21.00
1.4	1	LOW	64QAM	20.52	20.58	20.82	21.00
		MID	64QAM	20.68	20.55	20.79	21.00
		HIGH	64QAM	20.80	20.55	20.94	21.00
	3	LOW	64QAM	20.85	20.40	20.74	21.00
		MID	64QAM	20.80	20.44	20.75	21.00
		HIGH	64QAM	20.73	20.59	20.60	21.00
	6	LOW	64QAM	19.81	19.69	19.35	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.56	22.52	22.33	23.00
		MID	QPSK	22.46	**22.61**	22.32	23.00
		HIGH	QPSK	22.37	22.23	22.29	23.00
	8	LOW	QPSK	21.82	21.60	21.50	22.00
		MID	QPSK	21.69	21.56	21.58	22.00
		HIGH	QPSK	21.61	21.44	21.47	22.00
	15	LOW	QPSK	21.48	21.60	21.34	22.00
3	1	LOW	Q16	21.97	21.74	21.84	22.00
		MID	Q16	21.98	21.96	21.82	22.00
		HIGH	Q16	21.92	21.83	21.67	22.00
	8	LOW	Q16	20.64	20.57	20.35	21.00
		MID	Q16	20.77	20.50	20.37	21.00
		HIGH	Q16	20.57	20.30	20.25	21.00
	15	LOW	Q16	20.69	20.42	20.32	21.00
3	1	LOW	64QAM	20.95	20.88	20.80	21.00
		MID	64QAM	20.94	20.93	20.82	21.00
		HIGH	64QAM	20.82	20.87	20.72	21.00
	8	LOW	64QAM	19.81	19.52	19.42	20.00
		MID	64QAM	19.57	19.47	19.54	20.00
		HIGH	64QAM	19.68	19.53	19.51	20.00
	15	LOW	64QAM	19.64	19.62	19.43	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	**22.58**	22.48	22.51	23.00
		MID	QPSK	22.47	22.53	22.50	23.00
		HIGH	QPSK	22.41	22.49	22.19	23.00
	12	LOW	QPSK	21.82	21.51	21.59	22.00
		MID	QPSK	21.63	21.46	21.57	22.00
		HIGH	QPSK	21.49	21.45	21.34	22.00
	25	LOW	QPSK	21.75	21.60	21.48	22.00
5	1	LOW	Q16	21.99	21.89	21.91	22.00
		MID	Q16	21.91	21.98	21.93	22.00
		HIGH	Q16	21.84	21.71	21.91	22.00
	12	LOW	Q16	20.59	20.52	20.41	21.00
		MID	Q16	20.59	20.61	20.45	21.00
		HIGH	Q16	20.43	20.37	20.26	21.00
	25	LOW	Q16	20.64	20.43	20.56	21.00
5	1	LOW	64QAM	20.93	20.74	20.74	21.00
		MID	64QAM	20.90	20.93	20.76	21.00
		HIGH	64QAM	20.98	20.66	20.64	21.00
	12	LOW	64QAM	19.86	19.52	19.38	20.00
		MID	64QAM	19.54	19.52	19.55	20.00
		HIGH	64QAM	19.44	19.55	19.48	20.00
	25	LOW	64QAM	19.52	19.51	19.47	20.00

LTE B2-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.54	22.42	**22.58**	23.00
		MID	QPSK	22.56	22.48	22.31	23.00
		HIGH	QPSK	22.49	22.39	22.41	23.00
	25	LOW	QPSK	21.80	21.72	21.60	22.00
		MID	QPSK	21.58	21.49	21.62	22.00
		HIGH	QPSK	21.50	21.51	21.28	22.00
	50	LOW	QPSK	21.50	21.44	21.38	22.00
10	1	LOW	Q16	21.96	21.84	21.92	22.00
		MID	Q16	21.98	21.91	21.90	22.00
		HIGH	Q16	21.95	21.80	21.78	22.00
	25	LOW	Q16	20.61	20.51	20.53	21.00
		MID	Q16	20.66	20.64	20.47	21.00
		HIGH	Q16	20.68	20.55	20.40	21.00
	50	LOW	Q16	20.63	20.52	20.38	21.00
10	1	LOW	64QAM	20.98	21.00	20.80	21.00
		MID	64QAM	20.94	20.85	20.87	21.00
		HIGH	64QAM	20.95	20.85	20.87	21.00
	25	LOW	64QAM	19.66	19.59	19.57	20.00
		MID	64QAM	19.64	19.49	19.39	20.00
		HIGH	64QAM	19.51	19.41	19.47	20.00
	50	LOW	64QAM	19.54	19.65	19.29	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.65	22.54	22.51	23.00
		MID	QPSK	**22.72**	22.68	22.49	23.00
		HIGH	QPSK	22.52	22.33	22.16	23.00
	36	LOW	QPSK	21.60	21.70	21.58	22.00
		MID	QPSK	21.64	21.36	21.55	22.00
		HIGH	QPSK	21.53	21.50	21.30	22.00
	75	LOW	QPSK	21.58	21.67	21.33	22.00
15	1	LOW	Q16	21.94	21.78	21.77	22.00
		MID	Q16	21.98	21.82	21.81	22.00
		HIGH	Q16	21.96	21.89	21.90	22.00
	36	LOW	Q16	20.73	20.48	20.36	21.00
		MID	Q16	20.48	20.61	20.53	21.00
		HIGH	Q16	20.57	20.48	20.44	21.00
	75	LOW	Q16	20.67	20.36	20.53	21.00
15	1	LOW	64QAM	20.96	20.91	20.91	21.00
		MID	64QAM	20.97	20.98	20.82	21.00
		HIGH	64QAM	20.91	20.85	20.69	21.00
	36	LOW	64QAM	19.78	19.55	19.59	20.00
		MID	64QAM	19.56	19.44	19.54	20.00
		HIGH	64QAM	19.44	19.59	19.41	20.00
	75	LOW	64QAM	19.46	19.40	19.34	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.43	22.52	22.44	23.00
		MID	QPSK	22.46	22.56	**22.61**	23.00
		HIGH	QPSK	22.39	22.37	22.30	23.00
	50	LOW	QPSK	21.42	21.46	21.52	22.00
		MID	QPSK	21.34	21.47	21.47	22.00
		HIGH	QPSK	21.40	21.42	21.41	22.00
	100	LOW	QPSK	21.62	21.54	21.44	22.00
20	1	LOW	Q16	21.94	21.88	21.89	22.00
		MID	Q16	22.00	21.96	21.86	22.00
		HIGH	Q16	21.92	21.81	21.78	22.00
	50	LOW	Q16	20.71	20.61	20.45	21.00
		MID	Q16	20.63	20.50	20.46	21.00
		HIGH	Q16	20.53	20.44	20.38	21.00
	100	LOW	Q16	20.60	20.51	20.44	21.00
20	1	LOW	64QAM	20.98	20.92	20.90	21.00
		MID	64QAM	20.87	20.97	20.76	21.00
		HIGH	64QAM	20.82	20.69	20.83	21.00
	50	LOW	64QAM	19.85	19.64	19.58	20.00
		MID	64QAM	19.49	19.61	19.55	20.00
		HIGH	64QAM	19.61	19.51	19.23	20.00
	100	LOW	64QAM	19.58	19.39	19.39	20.00

LTE B2-Level1&2&3 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.58	22.47	22.40	23.00
		MID	QPSK	22.60	22.41	22.38	23.00
		HIGH	QPSK	22.60	22.42	22.39	23.00
	3	LOW	QPSK	22.68	22.52	22.42	23.00
		MID	QPSK	**22.73**	22.50	22.47	23.00
		HIGH	QPSK	22.67	22.49	22.44	23.00
	6	LOW	QPSK	21.67	21.50	21.50	22.00
1.4	1	LOW	Q16	21.66	21.64	21.86	22.00
		MID	Q16	21.66	21.64	21.83	22.00
		HIGH	Q16	21.68	21.65	21.83	22.00
	3	LOW	Q16	21.80	21.54	21.71	22.00
		MID	Q16	21.80	21.52	21.69	22.00
		HIGH	Q16	21.80	21.53	21.67	22.00
	6	LOW	Q16	20.80	20.63	20.35	21.00
1.4	1	LOW	64QAM	20.52	20.58	20.82	21.00
		MID	64QAM	20.68	20.55	20.79	21.00
		HIGH	64QAM	20.80	20.55	20.94	21.00
	3	LOW	64QAM	20.85	20.40	20.74	21.00
		MID	64QAM	20.80	20.44	20.75	21.00
		HIGH	64QAM	20.73	20.59	20.60	21.00
	6	LOW	64QAM	19.81	19.69	19.35	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.56	22.52	22.33	23.00
		MID	QPSK	22.46	**22.61**	22.32	23.00
		HIGH	QPSK	22.37	22.23	22.29	23.00
	8	LOW	QPSK	21.82	21.60	21.50	22.00
		MID	QPSK	21.69	21.56	21.58	22.00
		HIGH	QPSK	21.61	21.44	21.47	22.00
	15	LOW	QPSK	21.48	21.60	21.34	22.00
3	1	LOW	Q16	21.97	21.74	21.84	22.00
		MID	Q16	21.98	21.96	21.82	22.00
		HIGH	Q16	21.92	21.83	21.67	22.00
	8	LOW	Q16	20.64	20.57	20.35	21.00
		MID	Q16	20.77	20.50	20.37	21.00
		HIGH	Q16	20.57	20.30	20.25	21.00
	15	LOW	Q16	20.69	20.42	20.32	21.00
3	1	LOW	64QAM	20.95	20.88	20.80	21.00
		MID	64QAM	20.94	20.93	20.82	21.00
		HIGH	64QAM	20.82	20.87	20.72	21.00
	8	LOW	64QAM	19.81	19.52	19.42	20.00
		MID	64QAM	19.57	19.47	19.54	20.00
		HIGH	64QAM	19.68	19.53	19.51	20.00
	15	LOW	64QAM	19.64	19.62	19.43	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	**22.58**	22.48	22.51	23.00
		MID	QPSK	22.47	22.53	22.50	23.00
		HIGH	QPSK	22.41	22.49	22.19	23.00
	12	LOW	QPSK	21.82	21.51	21.59	22.00
		MID	QPSK	21.63	21.46	21.57	22.00
		HIGH	QPSK	21.49	21.45	21.34	22.00
	25	LOW	QPSK	21.75	21.60	21.48	22.00
5	1	LOW	Q16	21.99	21.89	21.91	22.00
		MID	Q16	21.91	21.98	21.93	22.00
		HIGH	Q16	21.84	21.71	21.91	22.00
	12	LOW	Q16	20.59	20.52	20.41	21.00
		MID	Q16	20.59	20.61	20.45	21.00
		HIGH	Q16	20.43	20.37	20.26	21.00
	25	LOW	Q16	20.64	20.43	20.56	21.00
5	1	LOW	64QAM	20.93	20.74	20.74	21.00
		MID	64QAM	20.90	20.93	20.76	21.00
		HIGH	64QAM	20.98	20.66	20.64	21.00
	12	LOW	64QAM	19.86	19.52	19.38	20.00
		MID	64QAM	19.54	19.52	19.55	20.00
		HIGH	64QAM	19.44	19.55	19.48	20.00
	25	LOW	64QAM	19.52	19.51	19.47	20.00

LTE B2-Level1&2&3 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.54	22.42	**22.58**	23.00
		MID	QPSK	22.56	22.48	22.31	23.00
		HIGH	QPSK	22.49	22.39	22.41	23.00
	25	LOW	QPSK	21.80	21.72	21.60	22.00
		MID	QPSK	21.58	21.49	21.62	22.00
		HIGH	QPSK	21.50	21.51	21.28	22.00
	50	LOW	QPSK	21.50	21.44	21.38	22.00
10	1	LOW	Q16	21.96	21.84	21.92	22.00
		MID	Q16	21.98	21.91	21.90	22.00
		HIGH	Q16	21.95	21.80	21.78	22.00
	25	LOW	Q16	20.61	20.51	20.53	21.00
		MID	Q16	20.66	20.64	20.47	21.00
		HIGH	Q16	20.68	20.55	20.40	21.00
	50	LOW	Q16	20.63	20.52	20.38	21.00
10	1	LOW	64QAM	20.98	21.00	20.80	21.00
		MID	64QAM	20.94	20.85	20.87	21.00
		HIGH	64QAM	20.95	20.85	20.87	21.00
	25	LOW	64QAM	19.66	19.59	19.57	20.00
		MID	64QAM	19.64	19.49	19.39	20.00
		HIGH	64QAM	19.51	19.41	19.47	20.00
	50	LOW	64QAM	19.54	19.65	19.29	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.65	22.54	22.51	23.00
		MID	QPSK	**22.72**	22.68	22.49	23.00
		HIGH	QPSK	22.52	22.33	22.16	23.00
	36	LOW	QPSK	21.60	21.70	21.58	22.00
		MID	QPSK	21.64	21.36	21.55	22.00
		HIGH	QPSK	21.53	21.50	21.30	22.00
	75	LOW	QPSK	21.58	21.67	21.33	22.00
15	1	LOW	Q16	21.94	21.78	21.77	22.00
		MID	Q16	21.98	21.82	21.81	22.00
		HIGH	Q16	21.96	21.89	21.90	22.00
	36	LOW	Q16	20.73	20.48	20.36	21.00
		MID	Q16	20.48	20.61	20.53	21.00
		HIGH	Q16	20.57	20.48	20.44	21.00
	75	LOW	Q16	20.67	20.36	20.53	21.00
15	1	LOW	64QAM	20.96	20.91	20.91	21.00
		MID	64QAM	20.97	20.98	20.82	21.00
		HIGH	64QAM	20.91	20.85	20.69	21.00
	36	LOW	64QAM	19.78	19.55	19.59	20.00
		MID	64QAM	19.56	19.44	19.54	20.00
		HIGH	64QAM	19.44	19.59	19.41	20.00
	75	LOW	64QAM	19.46	19.40	19.34	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.43	22.52	22.44	23.00
		MID	QPSK	22.46	22.56	**22.61**	23.00
		HIGH	QPSK	22.39	22.37	22.30	23.00
	50	LOW	QPSK	21.42	21.46	21.52	22.00
		MID	QPSK	21.34	21.47	21.47	22.00
		HIGH	QPSK	21.40	21.42	21.41	22.00
	100	LOW	QPSK	21.62	21.54	21.44	22.00
20	1	LOW	Q16	21.94	21.88	21.89	22.00
		MID	Q16	22.00	21.96	21.86	22.00
		HIGH	Q16	21.92	21.81	21.78	22.00
	50	LOW	Q16	20.71	20.61	20.45	21.00
		MID	Q16	20.63	20.50	20.46	21.00
		HIGH	Q16	20.53	20.44	20.38	21.00
	100	LOW	Q16	20.60	20.51	20.44	21.00
20	1	LOW	64QAM	20.98	20.92	20.90	21.00
		MID	64QAM	20.87	20.97	20.76	21.00
		HIGH	64QAM	20.82	20.69	20.83	21.00
	50	LOW	64QAM	19.85	19.64	19.58	20.00
		MID	64QAM	19.49	19.61	19.55	20.00
		HIGH	64QAM	19.61	19.51	19.23	20.00
	100	LOW	64QAM	19.58	19.39	19.39	20.00

LTE B2-Level4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.05	18.94	19.13	20.00
		MID	QPSK	19.12	19.14	18.95	20.00
		HIGH	QPSK	19.01	18.97	19.08	20.00
	3	LOW	QPSK	18.92	19.20	19.16	20.00
		MID	QPSK	19.09	18.99	18.98	20.00
		HIGH	QPSK	19.18	18.92	18.98	20.00
	6	LOW	QPSK	19.02	19.01	19.14	20.00
1.4	1	LOW	Q16	19.15	19.16	19.00	20.00
		MID	Q16	19.14	19.08	19.20	20.00
		HIGH	Q16	19.19	19.19	18.95	20.00
	3	LOW	Q16	18.91	19.15	19.16	20.00
		MID	Q16	18.99	19.19	19.14	20.00
		HIGH	Q16	19.07	19.16	19.13	20.00
	6	LOW	Q16	19.10	19.13	19.18	20.00
1.4	1	LOW	64QAM	19.18	18.92	19.05	20.00
		MID	64QAM	19.19	18.94	19.12	20.00
		HIGH	64QAM	19.20	19.07	19.08	20.00
	3	LOW	64QAM	18.93	19.17	18.93	20.00
		MID	64QAM	18.97	18.94	19.15	20.00
		HIGH	64QAM	19.01	19.10	19.01	20.00
	6	LOW	64QAM	19.09	19.14	19.18	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	19.06	19.12	19.07	20.00
		MID	QPSK	19.03	19.09	19.15	20.00
		HIGH	QPSK	19.04	18.91	19.14	20.00
	8	LOW	QPSK	19.14	19.20	18.91	20.00
		MID	QPSK	19.16	19.00	19.07	20.00
		HIGH	QPSK	19.01	19.03	18.98	20.00
	15	LOW	QPSK	19.14	19.01	18.98	20.00
3	1	LOW	Q16	19.16	18.94	19.14	20.00
		MID	Q16	18.93	19.11	19.09	20.00
		HIGH	Q16	18.90	18.97	18.92	20.00
	8	LOW	Q16	18.92	19.06	19.18	20.00
		MID	Q16	19.13	19.16	18.98	20.00
		HIGH	Q16	18.97	19.09	19.06	20.00
	15	LOW	Q16	18.95	19.03	19.00	20.00
3	1	LOW	64QAM	19.14	19.07	19.00	20.00
		MID	64QAM	18.99	19.08	19.11	20.00
		HIGH	64QAM	18.92	19.03	18.94	20.00
	8	LOW	64QAM	19.00	19.17	19.13	20.00
		MID	64QAM	19.05	19.01	19.06	20.00
		HIGH	64QAM	18.95	19.12	19.00	20.00
	15	LOW	64QAM	18.96	19.07	19.02	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	19.06	19.10	18.92	20.00
		MID	QPSK	18.99	19.15	19.17	20.00
		HIGH	QPSK	18.93	18.91	18.94	20.00
	12	LOW	QPSK	19.07	18.98	19.15	20.00
		MID	QPSK	19.09	18.97	18.95	20.00
		HIGH	QPSK	19.17	19.11	18.98	20.00
	25	LOW	QPSK	19.04	19.04	18.92	20.00
5	1	LOW	Q16	19.15	19.07	18.93	20.00
		MID	Q16	19.18	19.20	19.17	20.00
		HIGH	Q16	18.94	19.10	19.17	20.00
	12	LOW	Q16	19.09	18.90	19.13	20.00
		MID	Q16	18.96	19.07	19.19	20.00
		HIGH	Q16	18.97	19.14	19.01	20.00
	25	LOW	Q16	19.11	19.10	19.13	20.00
5	1	LOW	64QAM	19.01	19.14	19.18	20.00
		MID	64QAM	18.97	19.15	19.19	20.00
		HIGH	64QAM	18.99	19.11	19.00	20.00
	12	LOW	64QAM	19.13	18.97	19.05	20.00
		MID	64QAM	19.04	19.20	18.97	20.00
		HIGH	64QAM	19.17	19.16	19.11	20.00
	25	LOW	64QAM	19.07	19.19	19.19	20.00

LTE B2-Level4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	19.12	19.12	18.90	20.00
		MID	QPSK	18.99	18.90	18.90	20.00
		HIGH	QPSK	18.98	19.16	18.99	20.00
	25	LOW	QPSK	18.96	19.07	19.15	20.00
		MID	QPSK	18.95	18.94	19.15	20.00
		HIGH	QPSK	18.96	18.98	18.95	20.00
	50	LOW	QPSK	19.19	19.06	19.15	20.00
10	1	LOW	Q16	18.99	18.96	19.06	20.00
		MID	Q16	18.93	19.15	18.94	20.00
		HIGH	Q16	19.07	19.07	19.14	20.00
	25	LOW	Q16	18.92	18.93	19.19	20.00
		MID	Q16	18.95	19.11	19.16	20.00
		HIGH	Q16	19.12	19.01	19.11	20.00
	50	LOW	Q16	19.12	19.00	19.10	20.00
10	1	LOW	64QAM	19.02	18.95	19.12	20.00
		MID	64QAM	18.91	18.91	18.92	20.00
		HIGH	64QAM	19.16	19.16	19.05	20.00
	25	LOW	64QAM	19.02	18.90	19.13	20.00
		MID	64QAM	19.06	19.03	19.09	20.00
		HIGH	64QAM	19.16	19.10	18.96	20.00
	50	LOW	64QAM	19.06	18.91	19.05	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	19.17	19.18	19.04	20.00
		MID	QPSK	19.09	19.19	18.99	20.00
		HIGH	QPSK	19.18	19.03	19.19	20.00
	36	LOW	QPSK	18.90	19.18	18.92	20.00
		MID	QPSK	19.08	18.96	19.01	20.00
		HIGH	QPSK	18.96	18.91	19.14	20.00
	75	LOW	QPSK	19.13	19.19	19.15	20.00
15	1	LOW	Q16	18.98	19.15	19.05	20.00
		MID	Q16	19.07	18.93	19.10	20.00
		HIGH	Q16	18.92	19.02	19.18	20.00
	36	LOW	Q16	19.03	18.95	19.17	20.00
		MID	Q16	18.99	19.20	19.03	20.00
		HIGH	Q16	18.91	19.09	19.00	20.00
	75	LOW	Q16	18.98	18.94	19.04	20.00
15	1	LOW	64QAM	18.95	18.99	18.93	20.00
		MID	64QAM	19.15	18.97	18.94	20.00
		HIGH	64QAM	18.96	19.00	18.97	20.00
	36	LOW	64QAM	19.02	18.90	19.06	20.00
		MID	64QAM	18.97	19.05	19.04	20.00
		HIGH	64QAM	18.98	18.92	19.06	20.00
	75	LOW	64QAM	19.15	19.14	19.14	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	19.18	18.96	19.15	20.00
		MID	QPSK	18.93	18.99	19.13	20.00
		HIGH	QPSK	19.11	19.15	19.07	20.00
	50	LOW	QPSK	19.16	19.14	19.16	20.00
		MID	QPSK	18.91	19.08	19.13	20.00
		HIGH	QPSK	18.95	19.01	19.14	20.00
	100	LOW	QPSK	19.09	19.01	18.98	20.00
20	1	LOW	Q16	19.19	19.01	19.14	20.00
		MID	Q16	19.01	18.96	18.99	20.00
		HIGH	Q16	19.01	19.05	19.11	20.00
	50	LOW	Q16	19.03	19.04	19.16	20.00
		MID	Q16	19.05	19.19	19.01	20.00
		HIGH	Q16	18.90	19.10	19.07	20.00
	100	LOW	Q16	18.91	18.90	19.08	20.00
20	1	LOW	64QAM	19.13	19.07	18.96	20.00
		MID	64QAM	18.98	19.05	18.94	20.00
		HIGH	64QAM	19.03	18.96	19.11	20.00
	50	LOW	64QAM	19.00	19.08	19.20	20.00
		MID	64QAM	19.05	19.13	18.94	20.00
		HIGH	64QAM	19.16	18.96	19.09	20.00
	100	LOW	64QAM	19.00	19.16	19.17	20.00

8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.58	22.47	22.40	23.00
		MID	QPSK	22.60	22.41	22.38	23.00
		HIGH	QPSK	22.60	22.42	22.39	23.00
	3	LOW	QPSK	22.68	22.52	22.42	23.00
		MID	QPSK	**22.73**	22.50	22.47	23.00
		HIGH	QPSK	22.67	22.49	22.44	23.00
	6	LOW	QPSK	21.67	21.50	21.50	22.00
1.4	1	LOW	Q16	21.66	21.64	21.86	22.00
		MID	Q16	21.66	21.64	21.83	22.00
		HIGH	Q16	21.68	21.65	21.83	22.00
	3	LOW	Q16	21.80	21.54	21.71	22.00
		MID	Q16	21.80	21.52	21.69	22.00
		HIGH	Q16	21.80	21.53	21.67	22.00
	6	LOW	Q16	20.80	20.63	20.35	21.00
1.4	1	LOW	64QAM	20.52	20.58	20.82	21.00
		MID	64QAM	20.68	20.55	20.79	21.00
		HIGH	64QAM	20.80	20.55	20.94	21.00
	3	LOW	64QAM	20.85	20.40	20.74	21.00
		MID	64QAM	20.80	20.44	20.75	21.00
		HIGH	64QAM	20.73	20.59	20.60	21.00
	6	LOW	64QAM	19.81	19.69	19.35	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.56	22.52	22.33	23.00
		MID	QPSK	22.46	**22.61**	22.32	23.00
		HIGH	QPSK	22.37	22.23	22.29	23.00
	8	LOW	QPSK	21.82	21.60	21.50	22.00
		MID	QPSK	21.69	21.56	21.58	22.00
		HIGH	QPSK	21.61	21.44	21.47	22.00
	15	LOW	QPSK	21.48	21.60	21.34	22.00
3	1	LOW	Q16	21.97	21.74	21.84	22.00
		MID	Q16	21.98	21.96	21.82	22.00
		HIGH	Q16	21.92	21.83	21.67	22.00
	8	LOW	Q16	20.64	20.57	20.35	21.00
		MID	Q16	20.77	20.50	20.37	21.00
		HIGH	Q16	20.57	20.30	20.25	21.00
	15	LOW	Q16	20.69	20.42	20.32	21.00
3	1	LOW	64QAM	20.95	20.88	20.80	21.00
		MID	64QAM	20.94	20.93	20.82	21.00
		HIGH	64QAM	20.82	20.87	20.72	21.00
	8	LOW	64QAM	19.81	19.52	19.42	20.00
		MID	64QAM	19.57	19.47	19.54	20.00
		HIGH	64QAM	19.68	19.53	19.51	20.00
	15	LOW	64QAM	19.64	19.62	19.43	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	**22.58**	22.48	22.51	23.00
		MID	QPSK	22.47	22.53	22.50	23.00
		HIGH	QPSK	22.41	22.49	22.19	23.00
	12	LOW	QPSK	21.82	21.51	21.59	22.00
		MID	QPSK	21.63	21.46	21.57	22.00
		HIGH	QPSK	21.49	21.45	21.34	22.00
	25	LOW	QPSK	21.75	21.60	21.48	22.00
5	1	LOW	Q16	21.99	21.89	21.91	22.00
		MID	Q16	21.91	21.98	21.93	22.00
		HIGH	Q16	21.84	21.71	21.91	22.00
	12	LOW	Q16	20.59	20.52	20.41	21.00
		MID	Q16	20.59	20.61	20.45	21.00
		HIGH	Q16	20.43	20.37	20.26	21.00
	25	LOW	Q16	20.64	20.43	20.56	21.00
5	1	LOW	64QAM	20.93	20.74	20.74	21.00
		MID	64QAM	20.90	20.93	20.76	21.00
		HIGH	64QAM	20.98	20.66	20.64	21.00
	12	LOW	64QAM	19.86	19.52	19.38	20.00
		MID	64QAM	19.54	19.52	19.55	20.00
		HIGH	64QAM	19.44	19.55	19.48	20.00
	25	LOW	64QAM	19.52	19.51	19.47	20.00

LTE B2-Full Power -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.54	22.42	**22.58**	23.00
		MID	QPSK	22.56	22.48	22.31	23.00
		HIGH	QPSK	22.49	22.39	22.41	23.00
	25	LOW	QPSK	21.80	21.72	21.60	22.00
		MID	QPSK	21.58	21.49	21.62	22.00
		HIGH	QPSK	21.50	21.51	21.28	22.00
	50	LOW	QPSK	21.50	21.44	21.38	22.00
10	1	LOW	Q16	21.96	21.84	21.92	22.00
		MID	Q16	21.98	21.91	21.90	22.00
		HIGH	Q16	21.95	21.80	21.78	22.00
	25	LOW	Q16	20.61	20.51	20.53	21.00
		MID	Q16	20.66	20.64	20.47	21.00
		HIGH	Q16	20.68	20.55	20.40	21.00
	50	LOW	Q16	20.63	20.52	20.38	21.00
10	1	LOW	64QAM	20.98	21.00	20.80	21.00
		MID	64QAM	20.94	20.85	20.87	21.00
		HIGH	64QAM	20.95	20.85	20.87	21.00
	25	LOW	64QAM	19.66	19.59	19.57	20.00
		MID	64QAM	19.64	19.49	19.39	20.00
		HIGH	64QAM	19.51	19.41	19.47	20.00
	50	LOW	64QAM	19.54	19.65	19.29	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.65	22.54	22.51	23.00
		MID	QPSK	**22.72**	22.68	22.49	23.00
		HIGH	QPSK	22.52	22.33	22.16	23.00
	36	LOW	QPSK	21.60	21.70	21.58	22.00
		MID	QPSK	21.64	21.36	21.55	22.00
		HIGH	QPSK	21.53	21.50	21.30	22.00
	75	LOW	QPSK	21.58	21.67	21.33	22.00
15	1	LOW	Q16	21.94	21.78	21.77	22.00
		MID	Q16	21.98	21.82	21.81	22.00
		HIGH	Q16	21.96	21.89	21.90	22.00
	36	LOW	Q16	20.73	20.48	20.36	21.00
		MID	Q16	20.48	20.61	20.53	21.00
		HIGH	Q16	20.57	20.48	20.44	21.00
	75	LOW	Q16	20.67	20.36	20.53	21.00
15	1	LOW	64QAM	20.96	20.91	20.91	21.00
		MID	64QAM	20.97	20.98	20.82	21.00
		HIGH	64QAM	20.91	20.85	20.69	21.00
	36	LOW	64QAM	19.78	19.55	19.59	20.00
		MID	64QAM	19.56	19.44	19.54	20.00
		HIGH	64QAM	19.44	19.59	19.41	20.00
	75	LOW	64QAM	19.46	19.40	19.34	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.43	22.52	22.44	23.00
		MID	QPSK	22.46	22.56	**22.61**	23.00
		HIGH	QPSK	22.39	22.37	22.30	23.00
	50	LOW	QPSK	21.42	21.46	21.52	22.00
		MID	QPSK	21.34	21.47	21.47	22.00
		HIGH	QPSK	21.40	21.42	21.41	22.00
	100	LOW	QPSK	21.62	21.54	21.44	22.00
20	1	LOW	Q16	21.94	21.88	21.89	22.00
		MID	Q16	22.00	21.96	21.86	22.00
		HIGH	Q16	21.92	21.81	21.78	22.00
	50	LOW	Q16	20.71	20.61	20.45	21.00
		MID	Q16	20.63	20.50	20.46	21.00
		HIGH	Q16	20.53	20.44	20.38	21.00
	100	LOW	Q16	20.60	20.51	20.44	21.00
20	1	LOW	64QAM	20.98	20.92	20.90	21.00
		MID	64QAM	20.87	20.97	20.76	21.00
		HIGH	64QAM	20.82	20.69	20.83	21.00
	50	LOW	64QAM	19.85	19.64	19.58	20.00
		MID	64QAM	19.49	19.61	19.55	20.00
		HIGH	64QAM	19.61	19.51	19.23	20.00
	100	LOW	64QAM	19.58	19.39	19.39	20.00

LTE B2-Level1&3 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.58	22.47	22.40	23.00
		MID	QPSK	22.60	22.41	22.38	23.00
		HIGH	QPSK	22.60	22.42	22.39	23.00
	3	LOW	QPSK	22.68	22.52	22.42	23.00
		MID	QPSK	**22.73**	22.50	22.47	23.00
		HIGH	QPSK	22.67	22.49	22.44	23.00
	6	LOW	QPSK	21.67	21.50	21.50	22.00
1.4	1	LOW	Q16	21.66	21.64	21.86	22.00
		MID	Q16	21.66	21.64	21.83	22.00
		HIGH	Q16	21.68	21.65	21.83	22.00
	3	LOW	Q16	21.80	21.54	21.71	22.00
		MID	Q16	21.80	21.52	21.69	22.00
		HIGH	Q16	21.80	21.53	21.67	22.00
	6	LOW	Q16	20.80	20.63	20.35	21.00
1.4	1	LOW	64QAM	20.52	20.58	20.82	21.00
		MID	64QAM	20.68	20.55	20.79	21.00
		HIGH	64QAM	20.80	20.55	20.94	21.00
	3	LOW	64QAM	20.85	20.40	20.74	21.00
		MID	64QAM	20.80	20.44	20.75	21.00
		HIGH	64QAM	20.73	20.59	20.60	21.00
	6	LOW	64QAM	19.81	19.69	19.35	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.56	22.52	22.33	23.00
		MID	QPSK	22.46	**22.61**	22.32	23.00
		HIGH	QPSK	22.37	22.23	22.29	23.00
	8	LOW	QPSK	21.82	21.60	21.50	22.00
		MID	QPSK	21.69	21.56	21.58	22.00
		HIGH	QPSK	21.61	21.44	21.47	22.00
	15	LOW	QPSK	21.48	21.60	21.34	22.00
3	1	LOW	Q16	21.97	21.74	21.84	22.00
		MID	Q16	21.98	21.96	21.82	22.00
		HIGH	Q16	21.92	21.83	21.67	22.00
	8	LOW	Q16	20.64	20.57	20.35	21.00
		MID	Q16	20.77	20.50	20.37	21.00
		HIGH	Q16	20.57	20.30	20.25	21.00
	15	LOW	Q16	20.69	20.42	20.32	21.00
3	1	LOW	64QAM	20.95	20.88	20.80	21.00
		MID	64QAM	20.94	20.93	20.82	21.00
		HIGH	64QAM	20.82	20.87	20.72	21.00
	8	LOW	64QAM	19.81	19.52	19.42	20.00
		MID	64QAM	19.57	19.47	19.54	20.00
		HIGH	64QAM	19.68	19.53	19.51	20.00
	15	LOW	64QAM	19.64	19.62	19.43	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	**22.58**	22.48	22.51	23.00
		MID	QPSK	22.47	22.53	22.50	23.00
		HIGH	QPSK	22.41	22.49	22.19	23.00
	12	LOW	QPSK	21.82	21.51	21.59	22.00
		MID	QPSK	21.63	21.46	21.57	22.00
		HIGH	QPSK	21.49	21.45	21.34	22.00
	25	LOW	QPSK	21.75	21.60	21.48	22.00
5	1	LOW	Q16	21.99	21.89	21.91	22.00
		MID	Q16	21.91	21.98	21.93	22.00
		HIGH	Q16	21.84	21.71	21.91	22.00
	12	LOW	Q16	20.59	20.52	20.41	21.00
		MID	Q16	20.59	20.61	20.45	21.00
		HIGH	Q16	20.43	20.37	20.26	21.00
	25	LOW	Q16	20.64	20.43	20.56	21.00
5	1	LOW	64QAM	20.93	20.74	20.74	21.00
		MID	64QAM	20.90	20.93	20.76	21.00
		HIGH	64QAM	20.98	20.66	20.64	21.00
	12	LOW	64QAM	19.86	19.52	19.38	20.00
		MID	64QAM	19.54	19.52	19.55	20.00
		HIGH	64QAM	19.44	19.55	19.48	20.00
	25	LOW	64QAM	19.52	19.51	19.47	20.00

LTE B2-Level1&3 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.54	22.42	**22.58**	23.00
		MID	QPSK	22.56	22.48	22.31	23.00
		HIGH	QPSK	22.49	22.39	22.41	23.00
	25	LOW	QPSK	21.80	21.72	21.60	22.00
		MID	QPSK	21.58	21.49	21.62	22.00
		HIGH	QPSK	21.50	21.51	21.28	22.00
	50	LOW	QPSK	21.50	21.44	21.38	22.00
10	1	LOW	Q16	21.96	21.84	21.92	22.00
		MID	Q16	21.98	21.91	21.90	22.00
		HIGH	Q16	21.95	21.80	21.78	22.00
	25	LOW	Q16	20.61	20.51	20.53	21.00
		MID	Q16	20.66	20.64	20.47	21.00
		HIGH	Q16	20.68	20.55	20.40	21.00
	50	LOW	Q16	20.63	20.52	20.38	21.00
10	1	LOW	64QAM	20.98	21.00	20.80	21.00
		MID	64QAM	20.94	20.85	20.87	21.00
		HIGH	64QAM	20.95	20.85	20.87	21.00
	25	LOW	64QAM	19.66	19.59	19.57	20.00
		MID	64QAM	19.64	19.49	19.39	20.00
		HIGH	64QAM	19.51	19.41	19.47	20.00
	50	LOW	64QAM	19.54	19.65	19.29	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.65	22.54	22.51	23.00
		MID	QPSK	**22.72**	22.68	22.49	23.00
		HIGH	QPSK	22.52	22.33	22.16	23.00
	36	LOW	QPSK	21.60	21.70	21.58	22.00
		MID	QPSK	21.64	21.36	21.55	22.00
		HIGH	QPSK	21.53	21.50	21.30	22.00
	75	LOW	QPSK	21.58	21.67	21.33	22.00
15	1	LOW	Q16	21.94	21.78	21.77	22.00
		MID	Q16	21.98	21.82	21.81	22.00
		HIGH	Q16	21.96	21.89	21.90	22.00
	36	LOW	Q16	20.73	20.48	20.36	21.00
		MID	Q16	20.48	20.61	20.53	21.00
		HIGH	Q16	20.57	20.48	20.44	21.00
	75	LOW	Q16	20.67	20.36	20.53	21.00
15	1	LOW	64QAM	20.96	20.91	20.91	21.00
		MID	64QAM	20.97	20.98	20.82	21.00
		HIGH	64QAM	20.91	20.85	20.69	21.00
	36	LOW	64QAM	19.78	19.55	19.59	20.00
		MID	64QAM	19.56	19.44	19.54	20.00
		HIGH	64QAM	19.44	19.59	19.41	20.00
	75	LOW	64QAM	19.46	19.40	19.34	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.43	22.52	22.44	23.00
		MID	QPSK	22.46	22.56	**22.61**	23.00
		HIGH	QPSK	22.39	22.37	22.30	23.00
	50	LOW	QPSK	21.42	21.46	21.52	22.00
		MID	QPSK	21.34	21.47	21.47	22.00
		HIGH	QPSK	21.40	21.42	21.41	22.00
	100	LOW	QPSK	21.62	21.54	21.44	22.00
20	1	LOW	Q16	21.94	21.88	21.89	22.00
		MID	Q16	22.00	21.96	21.86	22.00
		HIGH	Q16	21.92	21.81	21.78	22.00
	50	LOW	Q16	20.71	20.61	20.45	21.00
		MID	Q16	20.63	20.50	20.46	21.00
		HIGH	Q16	20.53	20.44	20.38	21.00
	100	LOW	Q16	20.60	20.51	20.44	21.00
20	1	LOW	64QAM	20.98	20.92	20.90	21.00
		MID	64QAM	20.87	20.97	20.76	21.00
		HIGH	64QAM	20.82	20.69	20.83	21.00
	50	LOW	64QAM	19.85	19.64	19.58	20.00
		MID	64QAM	19.49	19.61	19.55	20.00
		HIGH	64QAM	19.61	19.51	19.23	20.00
	100	LOW	64QAM	19.58	19.39	19.39	20.00

LTE B2-Level2 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.51	21.39	21.43	22.00
		MID	QPSK	21.53	21.38	21.34	22.00
		HIGH	QPSK	21.48	21.23	21.37	22.00
	3	LOW	QPSK	21.57	21.30	21.28	22.00
		MID	QPSK	21.77	21.41	21.34	22.00
		HIGH	QPSK	21.68	21.28	21.21	22.00
	6	LOW	QPSK	21.43	21.51	21.46	22.00
1.4	1	LOW	Q16	21.60	21.55	21.64	22.00
		MID	Q16	21.57	21.51	21.59	22.00
		HIGH	Q16	21.65	21.46	21.81	22.00
	3	LOW	Q16	21.80	21.41	21.68	22.00
		MID	Q16	21.62	21.33	21.60	22.00
		HIGH	Q16	21.64	21.46	21.49	22.00
	6	LOW	Q16	20.55	20.44	20.26	21.00
1.4	1	LOW	64QAM	20.29	20.40	20.77	21.00
		MID	64QAM	20.72	20.36	20.62	21.00
		HIGH	64QAM	20.62	20.32	20.74	21.00
	3	LOW	64QAM	20.64	20.34	20.50	21.00
		MID	64QAM	20.66	20.33	20.75	21.00
		HIGH	64QAM	20.52	20.58	20.43	21.00
	6	LOW	64QAM	19.80	19.66	19.24	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	21.39	21.39	21.34	22.00
		MID	QPSK	21.48	21.51	21.18	22.00
		HIGH	QPSK	21.17	21.11	21.23	22.00
	8	LOW	QPSK	21.73	21.38	21.26	22.00
		MID	QPSK	21.53	21.55	21.52	22.00
		HIGH	QPSK	21.65	21.32	21.45	22.00
	15	LOW	QPSK	21.50	21.58	21.31	22.00
3	1	LOW	Q16	21.86	21.72	21.71	22.00
		MID	Q16	21.73	21.75	21.86	22.00
		HIGH	Q16	21.93	21.74	21.47	22.00
	8	LOW	Q16	20.41	20.37	20.15	21.00
		MID	Q16	20.75	20.46	20.14	21.00
		HIGH	Q16	20.59	20.15	20.19	21.00
	15	LOW	Q16	20.49	20.39	20.23	21.00
3	1	LOW	64QAM	20.73	20.91	20.80	21.00
		MID	64QAM	20.95	20.89	20.69	21.00
		HIGH	64QAM	20.64	20.82	20.70	21.00
	8	LOW	64QAM	19.75	19.34	19.29	20.00
		MID	64QAM	19.38	19.27	19.40	20.00
		HIGH	64QAM	19.50	19.28	19.35	20.00
	15	LOW	64QAM	19.50	19.55	19.43	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	21.48	21.47	21.43	22.00
		MID	QPSK	21.28	21.39	21.38	22.00
		HIGH	QPSK	21.37	21.47	20.99	22.00
	12	LOW	QPSK	21.61	21.26	21.44	22.00
		MID	QPSK	21.47	21.50	21.59	22.00
		HIGH	QPSK	21.45	21.28	21.18	22.00
	25	LOW	QPSK	21.77	21.48	21.28	22.00
5	1	LOW	Q16	21.97	21.74	21.85	22.00
		MID	Q16	21.81	21.90	21.83	22.00
		HIGH	Q16	21.67	21.59	21.93	22.00
	12	LOW	Q16	20.41	20.50	20.27	21.00
		MID	Q16	20.55	20.43	20.32	21.00
		HIGH	Q16	20.47	20.26	20.26	21.00
	25	LOW	Q16	20.48	20.47	20.56	21.00
5	1	LOW	64QAM	20.72	20.55	20.60	21.00
		MID	64QAM	20.92	20.80	20.54	21.00
		HIGH	64QAM	20.85	20.67	20.53	21.00
	12	LOW	64QAM	19.66	19.49	19.20	20.00
		MID	64QAM	19.46	19.28	19.43	20.00
		HIGH	64QAM	19.41	19.41	19.48	20.00
	25	LOW	64QAM	19.35	19.45	19.40	20.00

LTE B2-Level2 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	21.55	21.27	21.55	22.00
		MID	QPSK	21.36	21.51	21.20	22.00
		HIGH	QPSK	21.33	21.21	21.32	22.00
	25	LOW	QPSK	21.71	21.47	21.58	22.00
		MID	QPSK	21.50	21.28	21.44	22.00
		HIGH	QPSK	21.32	21.45	21.18	22.00
	50	LOW	QPSK	21.52	21.44	21.17	22.00
10	1	LOW	Q16	21.75	21.71	21.90	22.00
		MID	Q16	21.76	21.74	21.72	22.00
		HIGH	Q16	21.80	21.71	21.65	22.00
	25	LOW	Q16	20.52	20.50	20.44	21.00
		MID	Q16	20.67	20.67	20.23	21.00
		HIGH	Q16	20.67	20.48	20.37	21.00
	50	LOW	Q16	20.67	20.35	20.37	21.00
10	1	LOW	64QAM	20.99	21.00	20.56	21.00
		MID	64QAM	20.92	20.82	20.62	21.00
		HIGH	64QAM	20.78	20.80	20.91	21.00
	25	LOW	64QAM	19.55	19.42	19.47	20.00
		MID	64QAM	19.53	19.38	19.17	20.00
		HIGH	64QAM	19.47	19.18	19.48	20.00
	50	LOW	64QAM	19.39	19.66	19.25	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	21.42	21.31	21.29	22.00
		MID	QPSK	21.57	21.45	21.46	22.00
		HIGH	QPSK	21.30	21.35	21.04	22.00
	36	LOW	QPSK	21.45	21.47	21.60	22.00
		MID	QPSK	21.42	21.31	21.30	22.00
		HIGH	QPSK	21.37	21.32	21.12	22.00
	75	LOW	QPSK	21.33	21.67	21.11	22.00
15	1	LOW	Q16	21.84	21.63	21.55	22.00
		MID	Q16	21.84	21.68	21.59	22.00
		HIGH	Q16	21.97	21.84	21.90	22.00
	36	LOW	Q16	20.72	20.49	20.38	21.00
		MID	Q16	20.49	20.64	20.53	21.00
		HIGH	Q16	20.53	20.52	20.36	21.00
	75	LOW	Q16	20.63	20.21	20.45	21.00
15	1	LOW	64QAM	20.80	20.76	20.86	21.00
		MID	64QAM	20.93	20.82	20.72	21.00
		HIGH	64QAM	20.70	20.89	20.62	21.00
	36	LOW	64QAM	19.72	19.46	19.57	20.00
		MID	64QAM	19.43	19.22	19.58	20.00
		HIGH	64QAM	19.39	19.44	19.24	20.00
	75	LOW	64QAM	19.38	19.39	19.37	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	21.45	21.56	21.23	22.00
		MID	QPSK	21.25	21.41	21.55	22.00
		HIGH	QPSK	21.20	21.14	21.20	22.00
	50	LOW	QPSK	21.24	21.38	21.51	22.00
		MID	QPSK	21.18	21.24	21.26	22.00
		HIGH	QPSK	21.18	21.35	21.33	22.00
	100	LOW	QPSK	21.40	21.56	21.45	22.00
20	1	LOW	Q16	21.81	21.78	21.86	22.00
		MID	Q16	21.87	21.75	21.84	22.00
		HIGH	Q16	21.88	21.60	21.65	22.00
	50	LOW	Q16	20.73	20.63	20.43	21.00
		MID	Q16	20.43	20.43	20.42	21.00
		HIGH	Q16	20.49	20.29	20.25	21.00
	100	LOW	Q16	20.51	20.45	20.23	21.00
20	1	LOW	64QAM	20.83	20.85	20.86	21.00
		MID	64QAM	20.81	20.90	20.57	21.00
		HIGH	64QAM	20.59	20.66	20.81	21.00
	50	LOW	64QAM	19.78	19.68	19.47	20.00
		MID	64QAM	19.53	19.58	19.33	20.00
		HIGH	64QAM	19.57	19.28	19.01	20.00
	100	LOW	64QAM	19.52	19.38	19.27	20.00

LTE B2-Level4 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.05	18.94	19.13	20.00
		MID	QPSK	19.12	19.14	18.95	20.00
		HIGH	QPSK	19.01	18.97	19.08	20.00
	3	LOW	QPSK	18.92	19.20	19.16	20.00
		MID	QPSK	19.09	18.99	18.98	20.00
		HIGH	QPSK	19.18	18.92	18.98	20.00
	6	LOW	QPSK	19.02	19.01	19.14	20.00
1.4	1	LOW	Q16	19.15	19.16	19.00	20.00
		MID	Q16	19.14	19.08	19.20	20.00
		HIGH	Q16	19.19	19.19	18.95	20.00
	3	LOW	Q16	18.91	19.15	19.16	20.00
		MID	Q16	18.99	19.19	19.14	20.00
		HIGH	Q16	19.07	19.16	19.13	20.00
	6	LOW	Q16	19.10	19.13	19.18	20.00
1.4	1	LOW	64QAM	19.18	18.92	19.05	20.00
		MID	64QAM	19.19	18.94	19.12	20.00
		HIGH	64QAM	19.20	19.07	19.08	20.00
	3	LOW	64QAM	18.93	19.17	18.93	20.00
		MID	64QAM	18.97	18.94	19.15	20.00
		HIGH	64QAM	19.01	19.10	19.01	20.00
	6	LOW	64QAM	19.09	19.14	19.18	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	19.06	19.12	19.07	20.00
		MID	QPSK	19.03	19.09	19.15	20.00
		HIGH	QPSK	19.04	18.91	19.14	20.00
	8	LOW	QPSK	19.14	19.20	18.91	20.00
		MID	QPSK	19.16	19.00	19.07	20.00
		HIGH	QPSK	19.01	19.03	18.98	20.00
	15	LOW	QPSK	19.14	19.01	18.98	20.00
3	1	LOW	Q16	19.16	18.94	19.14	20.00
		MID	Q16	18.93	19.11	19.09	20.00
		HIGH	Q16	18.90	18.97	18.92	20.00
	8	LOW	Q16	18.92	19.06	19.18	20.00
		MID	Q16	19.13	19.16	18.98	20.00
		HIGH	Q16	18.97	19.09	19.06	20.00
	15	LOW	Q16	18.95	19.03	19.00	20.00
3	1	LOW	64QAM	19.14	19.07	19.00	20.00
		MID	64QAM	18.99	19.08	19.11	20.00
		HIGH	64QAM	18.92	19.03	18.94	20.00
	8	LOW	64QAM	19.00	19.17	19.13	20.00
		MID	64QAM	19.05	19.01	19.06	20.00
		HIGH	64QAM	18.95	19.12	19.00	20.00
	15	LOW	64QAM	18.96	19.07	19.02	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	19.06	19.10	18.92	20.00
		MID	QPSK	18.99	19.15	19.17	20.00
		HIGH	QPSK	18.93	18.91	18.94	20.00
	12	LOW	QPSK	19.07	18.98	19.15	20.00
		MID	QPSK	19.09	18.97	18.95	20.00
		HIGH	QPSK	19.17	19.11	18.98	20.00
	25	LOW	QPSK	19.04	19.04	18.92	20.00
5	1	LOW	Q16	19.15	19.07	18.93	20.00
		MID	Q16	19.18	19.20	19.17	20.00
		HIGH	Q16	18.94	19.10	19.17	20.00
	12	LOW	Q16	19.09	18.90	19.13	20.00
		MID	Q16	18.96	19.07	19.19	20.00
		HIGH	Q16	18.97	19.14	19.01	20.00
	25	LOW	Q16	19.11	19.10	19.13	20.00
5	1	LOW	64QAM	19.01	19.14	19.18	20.00
		MID	64QAM	18.97	19.15	19.19	20.00
		HIGH	64QAM	18.99	19.11	19.00	20.00
	12	LOW	64QAM	19.13	18.97	19.05	20.00
		MID	64QAM	19.04	19.20	18.97	20.00
		HIGH	64QAM	19.17	19.16	19.11	20.00
	25	LOW	64QAM	19.07	19.19	19.19	20.00

LTE B2-Level4 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	19.12	19.12	18.90	20.00
		MID	QPSK	18.99	18.90	18.90	20.00
		HIGH	QPSK	18.98	19.16	18.99	20.00
	25	LOW	QPSK	18.96	19.07	19.15	20.00
		MID	QPSK	18.95	18.94	19.15	20.00
		HIGH	QPSK	18.96	18.98	18.95	20.00
	50	LOW	QPSK	19.19	19.06	19.15	20.00
10	1	LOW	Q16	18.99	18.96	19.06	20.00
		MID	Q16	18.93	19.15	18.94	20.00
		HIGH	Q16	19.07	19.07	19.14	20.00
	25	LOW	Q16	18.92	18.93	19.19	20.00
		MID	Q16	18.95	19.11	19.16	20.00
		HIGH	Q16	19.12	19.01	19.11	20.00
	50	LOW	Q16	19.12	19.00	19.10	20.00
10	1	LOW	64QAM	19.02	18.95	19.12	20.00
		MID	64QAM	18.91	18.91	18.92	20.00
		HIGH	64QAM	19.16	19.16	19.05	20.00
	25	LOW	64QAM	19.02	18.90	19.13	20.00
		MID	64QAM	19.06	19.03	19.09	20.00
		HIGH	64QAM	19.16	19.10	18.96	20.00
	50	LOW	64QAM	19.06	18.91	19.05	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	19.17	19.18	19.04	20.00
		MID	QPSK	19.09	19.19	18.99	20.00
		HIGH	QPSK	19.18	19.03	19.19	20.00
	36	LOW	QPSK	18.90	19.18	18.92	20.00
		MID	QPSK	19.08	18.96	19.01	20.00
		HIGH	QPSK	18.96	18.91	19.14	20.00
	75	LOW	QPSK	19.13	19.19	19.15	20.00
15	1	LOW	Q16	18.98	19.15	19.05	20.00
		MID	Q16	19.07	18.93	19.10	20.00
		HIGH	Q16	18.92	19.02	19.18	20.00
	36	LOW	Q16	19.03	18.95	19.17	20.00
		MID	Q16	18.99	19.20	19.03	20.00
		HIGH	Q16	18.91	19.09	19.00	20.00
	75	LOW	Q16	18.98	18.94	19.04	20.00
15	1	LOW	64QAM	18.95	18.99	18.93	20.00
		MID	64QAM	19.15	18.97	18.94	20.00
		HIGH	64QAM	18.96	19.00	18.97	20.00
	36	LOW	64QAM	19.02	18.90	19.06	20.00
		MID	64QAM	18.97	19.05	19.04	20.00
		HIGH	64QAM	18.98	18.92	19.06	20.00
	75	LOW	64QAM	19.15	19.14	19.14	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	19.18	18.96	19.15	20.00
		MID	QPSK	18.93	18.99	19.13	20.00
		HIGH	QPSK	19.11	19.15	19.07	20.00
	50	LOW	QPSK	19.16	19.14	19.16	20.00
		MID	QPSK	18.91	19.08	19.13	20.00
		HIGH	QPSK	18.95	19.01	19.14	20.00
	100	LOW	QPSK	19.09	19.01	18.98	20.00
20	1	LOW	Q16	19.19	19.01	19.14	20.00
		MID	Q16	19.01	18.96	18.99	20.00
		HIGH	Q16	19.01	19.05	19.11	20.00
	50	LOW	Q16	19.03	19.04	19.16	20.00
		MID	Q16	19.05	19.19	19.01	20.00
		HIGH	Q16	18.90	19.10	19.07	20.00
	100	LOW	Q16	18.91	18.90	19.08	20.00
20	1	LOW	64QAM	19.13	19.07	18.96	20.00
		MID	64QAM	18.98	19.05	18.94	20.00
		HIGH	64QAM	19.03	18.96	19.11	20.00
	50	LOW	64QAM	19.00	19.08	19.20	20.00
		MID	64QAM	19.05	19.13	18.94	20.00
		HIGH	64QAM	19.16	18.96	19.09	20.00
	100	LOW	64QAM	19.00	19.16	19.17	20.00

8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.79	18.58	18.57	19.50
		MID	QPSK	18.83	18.62	18.52	19.50
		HIGH	QPSK	18.81	18.61	18.52	19.50
	3	LOW	QPSK	18.84	18.68	18.54	19.50
		MID	QPSK	**18.88**	18.67	18.56	19.50
		HIGH	QPSK	18.87	18.66	18.54	19.50
	6	LOW	QPSK	17.82	17.66	17.60	18.50
1.4	1	LOW	Q16	17.95	17.81	17.95	18.50
		MID	Q16	17.94	17.80	17.91	18.50
		HIGH	Q16	17.95	17.82	17.95	18.50
	3	LOW	Q16	18.01	17.73	17.79	18.50
		MID	Q16	18.02	17.69	17.78	18.50
		HIGH	Q16	17.99	17.69	17.76	18.50
	6	LOW	Q16	16.99	16.78	16.46	17.50
1.4	1	LOW	64QAM	17.03	16.71	17.07	17.50
		MID	64QAM	16.83	16.88	16.89	17.50
		HIGH	64QAM	16.83	16.71	16.98	17.50
	3	LOW	64QAM	16.99	16.84	16.74	17.50
		MID	64QAM	17.09	16.78	16.87	17.50
		HIGH	64QAM	16.97	16.68	16.75	17.50
	6	LOW	64QAM	16.12	15.80	15.45	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	**18.81**	18.58	18.72	19.50
		MID	QPSK	18.70	18.71	18.73	19.50
		HIGH	QPSK	18.73	18.41	18.49	19.50
	8	LOW	QPSK	17.57	17.92	17.67	18.50
		MID	QPSK	17.78	17.80	17.55	18.50
		HIGH	QPSK	17.66	17.62	17.68	18.50
	15	LOW	QPSK	17.58	17.72	17.53	18.50
3	1	LOW	Q16	18.32	18.23	17.95	18.50
		MID	Q16	18.47	18.11	17.95	18.50
		HIGH	Q16	18.17	17.92	17.86	18.50
	8	LOW	Q16	16.70	16.95	16.54	17.50
		MID	Q16	16.82	16.87	16.68	17.50
		HIGH	Q16	16.67	16.72	16.42	17.50
	15	LOW	Q16	16.59	16.69	16.41	17.50
3	1	LOW	64QAM	17.28	16.97	17.11	17.50
		MID	64QAM	17.41	17.17	16.97	17.50
		HIGH	64QAM	16.99	16.87	16.91	17.50
	8	LOW	64QAM	15.72	15.87	15.56	16.50
		MID	64QAM	15.87	15.63	15.55	16.50
		HIGH	64QAM	15.39	15.69	15.71	16.50
	15	LOW	64QAM	15.69	15.67	15.56	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	18.75	**18.77**	18.44	19.50
		MID	QPSK	18.66	18.75	18.65	19.50
		HIGH	QPSK	18.73	18.59	18.36	19.50
	12	LOW	QPSK	17.51	17.91	17.54	18.50
		MID	QPSK	17.90	17.58	17.63	18.50
		HIGH	QPSK	17.36	17.72	17.53	18.50
	25	LOW	QPSK	17.60	17.63	17.47	18.50
5	1	LOW	Q16	18.33	18.02	18.16	18.50
		MID	Q16	18.28	18.20	17.96	18.50
		HIGH	Q16	18.03	17.85	17.83	18.50
	12	LOW	Q16	16.70	16.95	16.40	17.50
		MID	Q16	16.95	16.84	16.52	17.50
		HIGH	Q16	16.51	16.74	16.72	17.50
	25	LOW	Q16	16.51	16.75	16.69	17.50
5	1	LOW	64QAM	17.36	16.96	17.10	17.50
		MID	64QAM	17.22	17.05	17.16	17.50
		HIGH	64QAM	17.23	17.10	16.77	17.50
	12	LOW	64QAM	15.78	16.02	15.67	16.50
		MID	64QAM	15.69	15.70	15.76	16.50
		HIGH	64QAM	15.55	15.69	15.56	16.50
	25	LOW	64QAM	15.54	15.70	15.61	16.50

LTE B4-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	**18.91**	18.60	18.68	19.50
		MID	QPSK	18.90	18.70	18.47	19.50
		HIGH	QPSK	18.49	18.66	18.56	19.50
	25	LOW	QPSK	17.54	17.85	17.75	18.50
		MID	QPSK	17.77	17.70	17.78	18.50
		HIGH	QPSK	17.56	17.47	17.47	18.50
	50	LOW	QPSK	17.49	17.68	17.56	18.50
10	1	LOW	Q16	18.20	18.13	17.95	18.50
		MID	Q16	18.33	18.14	17.94	18.50
		HIGH	Q16	18.15	18.12	17.88	18.50
	25	LOW	Q16	16.77	16.84	16.61	17.50
		MID	Q16	16.77	16.60	16.64	17.50
		HIGH	Q16	16.63	16.75	16.46	17.50
	50	LOW	Q16	16.56	16.78	16.58	17.50
10	1	LOW	64QAM	17.33	17.13	16.96	17.50
		MID	64QAM	17.23	17.08	17.05	17.50
		HIGH	64QAM	17.15	16.96	16.80	17.50
	25	LOW	64QAM	15.57	15.79	15.66	16.50
		MID	64QAM	15.67	15.81	15.68	16.50
		HIGH	64QAM	15.56	15.68	15.68	16.50
	50	LOW	64QAM	15.70	15.77	15.50	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	**18.84**	18.72	18.72	19.50
		MID	QPSK	18.74	18.68	18.71	19.50
		HIGH	QPSK	18.61	18.41	18.28	19.50
	36	LOW	QPSK	17.79	17.92	17.65	18.50
		MID	QPSK	17.88	17.73	17.72	18.50
		HIGH	QPSK	17.49	17.64	17.62	18.50
	75	LOW	QPSK	17.65	17.64	17.52	18.50
15	1	LOW	Q16	18.27	18.02	17.93	18.50
		MID	Q16	18.41	18.07	18.02	18.50
		HIGH	Q16	18.17	17.83	18.00	18.50
	36	LOW	Q16	16.53	17.07	16.42	17.50
		MID	Q16	16.93	16.81	16.49	17.50
		HIGH	Q16	16.47	16.64	16.51	17.50
	75	LOW	Q16	16.65	16.62	16.55	17.50
15	1	LOW	64QAM	17.34	17.04	17.16	17.50
		MID	64QAM	17.30	17.16	17.04	17.50
		HIGH	64QAM	16.99	16.82	16.87	17.50
	36	LOW	64QAM	15.72	16.07	15.47	16.50
		MID	64QAM	15.95	15.69	15.68	16.50
		HIGH	64QAM	15.63	15.58	15.42	16.50
	75	LOW	64QAM	15.54	15.63	15.49	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	18.64	18.72	18.61	19.50
		MID	QPSK	18.54	**18.73**	18.59	19.50
		HIGH	QPSK	18.59	18.56	18.43	19.50
	50	LOW	QPSK	17.79	17.95	17.65	18.50
		MID	QPSK	17.62	17.72	17.61	18.50
		HIGH	QPSK	17.51	17.62	17.59	18.50
	100	LOW	QPSK	17.60	17.78	17.61	18.50
20	1	LOW	Q16	18.30	18.09	18.04	18.50
		MID	Q16	18.33	18.14	18.03	18.50
		HIGH	Q16	18.10	17.97	17.86	18.50
	50	LOW	Q16	16.65	16.93	16.55	17.50
		MID	Q16	16.80	16.72	16.63	17.50
		HIGH	Q16	16.53	16.64	16.57	17.50
	100	LOW	Q16	16.58	16.77	16.56	17.50
20	1	LOW	64QAM	17.20	17.18	16.92	17.50
		MID	64QAM	17.28	17.08	17.14	17.50
		HIGH	64QAM	17.10	16.93	16.77	17.50
	50	LOW	64QAM	15.68	16.03	15.54	16.50
		MID	64QAM	15.95	15.73	15.70	16.50
		HIGH	64QAM	15.53	15.59	15.56	16.50
	100	LOW	64QAM	15.51	15.82	15.51	16.50

LTE B4-Level1-Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	16.12	16.10	16.05	17.00
		MID	QPSK	15.91	16.02	15.91	17.00
		HIGH	QPSK	16.06	15.94	15.91	17.00
	3	LOW	QPSK	16.03	15.94	15.98	17.00
		MID	QPSK	15.99	15.93	16.16	17.00
		HIGH	QPSK	15.93	15.93	16.16	17.00
	6	LOW	QPSK	16.20	16.19	16.03	17.00
1.4	1	LOW	Q16	16.18	16.18	16.06	17.00
		MID	Q16	16.03	15.97	15.94	17.00
		HIGH	Q16	16.14	16.05	16.16	17.00
	3	LOW	Q16	16.14	16.04	16.19	17.00
		MID	Q16	16.04	16.11	15.92	17.00
		HIGH	Q16	16.08	16.06	16.01	17.00
	6	LOW	Q16	15.99	16.17	15.95	17.00
1.4	1	LOW	64QAM	16.18	16.14	16.01	17.00
		MID	64QAM	16.09	16.10	16.14	17.00
		HIGH	64QAM	15.97	16.01	16.13	17.00
	3	LOW	64QAM	15.45	15.56	15.59	16.50
		MID	64QAM	15.45	15.70	15.51	16.50
		HIGH	64QAM	15.40	15.62	15.46	16.50
	6	LOW	64QAM	15.66	15.52	15.66	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	15.98	16.06	16.00	17.00
		MID	QPSK	16.04	16.13	16.02	17.00
		HIGH	QPSK	15.98	16.00	16.17	17.00
	8	LOW	QPSK	16.00	15.97	16.07	17.00
		MID	QPSK	15.92	16.00	16.13	17.00
		HIGH	QPSK	16.10	15.90	15.91	17.00
	15	LOW	QPSK	16.17	15.93	15.99	17.00
3	1	LOW	Q16	16.05	16.09	16.04	17.00
		MID	Q16	15.98	16.02	16.15	17.00
		HIGH	Q16	15.99	16.06	15.94	17.00
	8	LOW	Q16	15.95	15.96	16.11	17.00
		MID	Q16	16.08	16.13	16.07	17.00
		HIGH	Q16	16.02	16.07	16.20	17.00
	15	LOW	Q16	15.98	15.94	16.08	17.00
3	1	LOW	64QAM	16.04	16.07	16.15	17.00
		MID	64QAM	16.11	15.92	16.08	17.00
		HIGH	64QAM	16.16	16.10	16.16	17.00
	8	LOW	64QAM	15.60	15.56	15.57	16.50
		MID	64QAM	15.64	15.57	15.56	16.50
		HIGH	64QAM	15.44	15.52	15.49	16.50
	15	LOW	64QAM	15.58	15.52	15.65	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	16.12	16.19	15.97	17.00
		MID	QPSK	16.02	15.99	16.18	17.00
		HIGH	QPSK	15.93	16.08	16.19	17.00
	12	LOW	QPSK	16.15	16.15	16.04	17.00
		MID	QPSK	16.19	16.00	16.05	17.00
		HIGH	QPSK	16.10	15.91	15.98	17.00
	25	LOW	QPSK	16.00	16.17	15.99	17.00
5	1	LOW	Q16	15.99	15.97	15.96	17.00
		MID	Q16	15.95	15.94	16.06	17.00
		HIGH	Q16	15.93	16.09	16.03	17.00
	12	LOW	Q16	16.00	16.08	16.09	17.00
		MID	Q16	15.93	16.02	16.00	17.00
		HIGH	Q16	16.10	16.16	15.99	17.00
	25	LOW	Q16	15.97	16.18	16.07	17.00
5	1	LOW	64QAM	16.07	15.92	15.97	17.00
		MID	64QAM	16.04	15.99	16.08	17.00
		HIGH	64QAM	16.06	15.97	16.02	17.00
	12	LOW	64QAM	15.42	15.51	15.60	16.50
		MID	64QAM	15.59	15.67	15.52	16.50
		HIGH	64QAM	15.60	15.60	15.45	16.50
	25	LOW	64QAM	15.62	15.45	15.62	16.50

LTE B4-Level1-Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	15.98	15.95	16.03	17.00
		MID	QPSK	16.11	16.18	16.07	17.00
		HIGH	QPSK	15.92	16.18	16.17	17.00
	25	LOW	QPSK	16.03	15.93	16.18	17.00
		MID	QPSK	15.96	15.99	16.15	17.00
		HIGH	QPSK	16.00	15.95	15.97	17.00
	50	LOW	QPSK	15.91	16.08	16.19	17.00
10	1	LOW	Q16	16.03	16.12	15.90	17.00
		MID	Q16	16.07	16.10	15.93	17.00
		HIGH	Q16	15.91	16.01	16.06	17.00
	25	LOW	Q16	16.12	16.18	15.90	17.00
		MID	Q16	16.00	16.03	16.06	17.00
		HIGH	Q16	16.19	15.92	16.03	17.00
	50	LOW	Q16	16.05	16.17	15.92	17.00
10	1	LOW	64QAM	16.00	15.96	16.16	17.00
		MID	64QAM	16.06	16.06	15.92	17.00
		HIGH	64QAM	16.05	15.97	15.92	17.00
	25	LOW	64QAM	15.65	15.56	15.60	16.50
		MID	64QAM	15.62	15.61	15.68	16.50
		HIGH	64QAM	15.51	15.62	15.52	16.50
	50	LOW	64QAM	15.62	15.64	15.42	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	16.05	15.92	16.00	17.00
		MID	QPSK	16.15	15.98	16.03	17.00
		HIGH	QPSK	16.17	16.08	16.06	17.00
	36	LOW	QPSK	15.94	15.96	16.01	17.00
		MID	QPSK	16.13	15.90	16.09	17.00
		HIGH	QPSK	16.14	16.11	16.14	17.00
	75	LOW	QPSK	16.08	16.07	16.09	17.00
15	1	LOW	Q16	15.98	15.97	16.17	17.00
		MID	Q16	15.97	16.09	16.19	17.00
		HIGH	Q16	16.05	16.17	15.99	17.00
	36	LOW	Q16	16.10	15.99	16.09	17.00
		MID	Q16	15.91	15.96	16.09	17.00
		HIGH	Q16	16.12	16.01	15.98	17.00
	75	LOW	Q16	16.15	16.04	16.17	17.00
15	1	LOW	64QAM	15.93	16.12	16.19	17.00
		MID	64QAM	15.95	15.92	16.00	17.00
		HIGH	64QAM	16.18	15.97	16.07	17.00
	36	LOW	64QAM	15.50	15.47	15.40	16.50
		MID	64QAM	15.50	15.53	15.69	16.50
		HIGH	64QAM	15.58	15.67	15.58	16.50
	75	LOW	64QAM	15.68	15.43	15.54	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	15.96	16.07	16.11	17.00
		MID	QPSK	16.10	16.05	16.04	17.00
		HIGH	QPSK	16.09	16.04	16.19	17.00
	50	LOW	QPSK	16.07	16.00	15.97	17.00
		MID	QPSK	16.17	16.17	16.18	17.00
		HIGH	QPSK	15.91	16.17	16.02	17.00
	100	LOW	QPSK	16.10	16.17	16.19	17.00
20	1	LOW	Q16	16.19	15.99	16.10	17.00
		MID	Q16	15.95	16.14	16.13	17.00
		HIGH	Q16	16.20	16.06	16.09	17.00
	50	LOW	Q16	16.09	15.91	15.98	17.00
		MID	Q16	16.16	15.93	16.04	17.00
		HIGH	Q16	15.96	15.94	16.03	17.00
	100	LOW	Q16	15.91	16.04	16.19	17.00
20	1	LOW	64QAM	15.91	15.91	16.03	17.00
		MID	64QAM	16.01	15.96	16.10	17.00
		HIGH	64QAM	16.17	15.98	16.19	17.00
	50	LOW	64QAM	15.64	15.59	15.45	16.50
		MID	64QAM	15.41	15.49	15.56	16.50
		HIGH	64QAM	15.58	15.46	15.70	16.50
	100	LOW	64QAM	15.40	15.47	15.49	16.50

LTE B4-Level2&4-Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.79	18.58	18.57	19.50
		MID	QPSK	18.83	18.62	18.52	19.50
		HIGH	QPSK	18.81	18.61	18.52	19.50
	3	LOW	QPSK	18.84	18.68	18.54	19.50
		MID	QPSK	**18.88**	18.67	18.56	19.50
		HIGH	QPSK	18.87	18.66	18.54	19.50
	6	LOW	QPSK	17.82	17.66	17.60	18.50
1.4	1	LOW	Q16	17.95	17.81	17.95	18.50
		MID	Q16	17.94	17.80	17.91	18.50
		HIGH	Q16	17.95	17.82	17.95	18.50
	3	LOW	Q16	18.01	17.73	17.79	18.50
		MID	Q16	18.02	17.69	17.78	18.50
		HIGH	Q16	17.99	17.69	17.76	18.50
	6	LOW	Q16	16.99	16.78	16.46	17.50
1.4	1	LOW	64QAM	17.03	16.71	17.07	17.50
		MID	64QAM	16.83	16.88	16.89	17.50
		HIGH	64QAM	16.83	16.71	16.98	17.50
	3	LOW	64QAM	16.99	16.84	16.74	17.50
		MID	64QAM	17.09	16.78	16.87	17.50
		HIGH	64QAM	16.97	16.68	16.75	17.50
	6	LOW	64QAM	16.12	15.80	15.45	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	**18.81**	18.58	18.72	19.50
		MID	QPSK	18.70	18.71	18.73	19.50
		HIGH	QPSK	18.73	18.41	18.49	19.50
	8	LOW	QPSK	17.57	17.92	17.67	18.50
		MID	QPSK	17.78	17.80	17.55	18.50
		HIGH	QPSK	17.66	17.62	17.68	18.50
	15	LOW	QPSK	17.58	17.72	17.53	18.50
3	1	LOW	Q16	18.32	18.23	17.95	18.50
		MID	Q16	18.47	18.11	17.95	18.50
		HIGH	Q16	18.17	17.92	17.86	18.50
	8	LOW	Q16	16.70	16.95	16.54	17.50
		MID	Q16	16.82	16.87	16.68	17.50
		HIGH	Q16	16.67	16.72	16.42	17.50
	15	LOW	Q16	16.59	16.69	16.41	17.50
3	1	LOW	64QAM	17.28	16.97	17.11	17.50
		MID	64QAM	17.41	17.17	16.97	17.50
		HIGH	64QAM	16.99	16.87	16.91	17.50
	8	LOW	64QAM	15.72	15.87	15.56	16.50
		MID	64QAM	15.87	15.63	15.55	16.50
		HIGH	64QAM	15.39	15.69	15.71	16.50
	15	LOW	64QAM	15.69	15.67	15.56	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	18.75	**18.77**	18.44	19.50
		MID	QPSK	18.66	18.75	18.65	19.50
		HIGH	QPSK	18.73	18.59	18.36	19.50
	12	LOW	QPSK	17.51	17.91	17.54	18.50
		MID	QPSK	17.90	17.58	17.63	18.50
		HIGH	QPSK	17.36	17.72	17.53	18.50
	25	LOW	QPSK	17.60	17.63	17.47	18.50
5	1	LOW	Q16	18.33	18.02	18.16	18.50
		MID	Q16	18.28	18.20	17.96	18.50
		HIGH	Q16	18.03	17.85	17.83	18.50
	12	LOW	Q16	16.70	16.95	16.40	17.50
		MID	Q16	16.95	16.84	16.52	17.50
		HIGH	Q16	16.51	16.74	16.72	17.50
	25	LOW	Q16	16.51	16.75	16.69	17.50
5	1	LOW	64QAM	17.36	16.96	17.10	17.50
		MID	64QAM	17.22	17.05	17.16	17.50
		HIGH	64QAM	17.23	17.10	16.77	17.50
	12	LOW	64QAM	15.78	16.02	15.67	16.50
		MID	64QAM	15.69	15.70	15.76	16.50
		HIGH	64QAM	15.55	15.69	15.56	16.50
	25	LOW	64QAM	15.54	15.70	15.61	16.50

LTE B4-Level2&4-Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	**18.91**	18.60	18.68	19.50
		MID	QPSK	18.90	18.70	18.47	19.50
		HIGH	QPSK	18.49	18.66	18.56	19.50
	25	LOW	QPSK	17.54	17.85	17.75	18.50
		MID	QPSK	17.77	17.70	17.78	18.50
		HIGH	QPSK	17.56	17.47	17.47	18.50
	50	LOW	QPSK	17.49	17.68	17.56	18.50
10	1	LOW	Q16	18.20	18.13	17.95	18.50
		MID	Q16	18.33	18.14	17.94	18.50
		HIGH	Q16	18.15	18.12	17.88	18.50
	25	LOW	Q16	16.77	16.84	16.61	17.50
		MID	Q16	16.77	16.60	16.64	17.50
		HIGH	Q16	16.63	16.75	16.46	17.50
	50	LOW	Q16	16.56	16.78	16.58	17.50
10	1	LOW	64QAM	17.33	17.13	16.96	17.50
		MID	64QAM	17.23	17.08	17.05	17.50
		HIGH	64QAM	17.15	16.96	16.80	17.50
	25	LOW	64QAM	15.57	15.79	15.66	16.50
		MID	64QAM	15.67	15.81	15.68	16.50
		HIGH	64QAM	15.56	15.68	15.68	16.50
	50	LOW	64QAM	15.70	15.77	15.50	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	**18.84**	18.72	18.72	19.50
		MID	QPSK	18.74	18.68	18.71	19.50
		HIGH	QPSK	18.61	18.41	18.28	19.50
	36	LOW	QPSK	17.79	17.92	17.65	18.50
		MID	QPSK	17.88	17.73	17.72	18.50
		HIGH	QPSK	17.49	17.64	17.62	18.50
	75	LOW	QPSK	17.65	17.64	17.52	18.50
15	1	LOW	Q16	18.27	18.02	17.93	18.50
		MID	Q16	18.41	18.07	18.02	18.50
		HIGH	Q16	18.17	17.83	18.00	18.50
	36	LOW	Q16	16.53	17.07	16.42	17.50
		MID	Q16	16.93	16.81	16.49	17.50
		HIGH	Q16	16.47	16.64	16.51	17.50
	75	LOW	Q16	16.65	16.62	16.55	17.50
15	1	LOW	64QAM	17.34	17.04	17.16	17.50
		MID	64QAM	17.30	17.16	17.04	17.50
		HIGH	64QAM	16.99	16.82	16.87	17.50
	36	LOW	64QAM	15.72	16.07	15.47	16.50
		MID	64QAM	15.95	15.69	15.68	16.50
		HIGH	64QAM	15.63	15.58	15.42	16.50
	75	LOW	64QAM	15.54	15.63	15.49	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	18.64	18.72	18.61	19.50
		MID	QPSK	18.54	**18.73**	18.59	19.50
		HIGH	QPSK	18.59	18.56	18.43	19.50
	50	LOW	QPSK	17.79	17.95	17.65	18.50
		MID	QPSK	17.62	17.72	17.61	18.50
		HIGH	QPSK	17.51	17.62	17.59	18.50
	100	LOW	QPSK	17.60	17.78	17.61	18.50
20	1	LOW	Q16	18.30	18.09	18.04	18.50
		MID	Q16	18.33	18.14	18.03	18.50
		HIGH	Q16	18.10	17.97	17.86	18.50
	50	LOW	Q16	16.65	16.93	16.55	17.50
		MID	Q16	16.80	16.72	16.63	17.50
		HIGH	Q16	16.53	16.64	16.57	17.50
	100	LOW	Q16	16.58	16.77	16.56	17.50
20	1	LOW	64QAM	17.20	17.18	16.92	17.50
		MID	64QAM	17.28	17.08	17.14	17.50
		HIGH	64QAM	17.10	16.93	16.77	17.50
	50	LOW	64QAM	15.68	16.03	15.54	16.50
		MID	64QAM	15.95	15.73	15.70	16.50
		HIGH	64QAM	15.53	15.59	15.56	16.50
	100	LOW	64QAM	15.51	15.82	15.51	16.50

LTE B4-Level3-Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	14.97	15.00	14.90	16.00
		MID	QPSK	15.08	15.17	15.11	16.00
		HIGH	QPSK	14.97	15.02	14.98	16.00
	3	LOW	QPSK	14.92	15.19	14.96	16.00
		MID	QPSK	15.05	15.16	15.15	16.00
		HIGH	QPSK	15.02	14.92	15.18	16.00
	6	LOW	QPSK	14.96	15.08	15.06	16.00
1.4	1	LOW	Q16	15.17	15.11	15.16	16.00
		MID	Q16	15.10	14.98	15.04	16.00
		HIGH	Q16	15.04	14.92	14.91	16.00
	3	LOW	Q16	15.04	15.15	15.18	16.00
		MID	Q16	14.90	14.92	15.12	16.00
		HIGH	Q16	15.19	15.17	15.15	16.00
	6	LOW	Q16	14.92	15.18	15.05	16.00
1.4	1	LOW	64QAM	15.14	15.11	15.06	16.00
		MID	64QAM	14.96	15.04	15.13	16.00
		HIGH	64QAM	15.09	15.17	15.13	16.00
	3	LOW	64QAM	14.95	15.10	14.98	16.00
		MID	64QAM	15.10	15.13	14.90	16.00
		HIGH	64QAM	15.17	15.03	15.12	16.00
	6	LOW	64QAM	15.17	15.11	15.10	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	14.92	15.12	15.17	16.00
		MID	QPSK	15.01	14.93	14.97	16.00
		HIGH	QPSK	14.92	14.92	14.90	16.00
	8	LOW	QPSK	14.93	14.92	15.19	16.00
		MID	QPSK	14.99	14.95	14.97	16.00
		HIGH	QPSK	15.11	15.11	14.94	16.00
	15	LOW	QPSK	14.96	15.13	15.00	16.00
3	1	LOW	Q16	15.15	15.06	15.16	16.00
		MID	Q16	14.97	15.04	15.19	16.00
		HIGH	Q16	15.05	15.16	15.16	16.00
	8	LOW	Q16	14.91	14.92	15.02	16.00
		MID	Q16	15.00	15.15	15.09	16.00
		HIGH	Q16	14.98	15.11	15.12	16.00
	15	LOW	Q16	15.13	15.09	15.12	16.00
3	1	LOW	64QAM	14.98	14.99	14.93	16.00
		MID	64QAM	15.05	14.99	15.13	16.00
		HIGH	64QAM	15.16	14.91	15.03	16.00
	8	LOW	64QAM	15.10	15.19	15.00	16.00
		MID	64QAM	15.14	15.05	15.03	16.00
		HIGH	64QAM	15.19	14.95	15.09	16.00
	15	LOW	64QAM	15.07	15.00	14.96	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	14.93	14.95	14.94	16.00
		MID	QPSK	15.01	15.08	15.04	16.00
		HIGH	QPSK	15.07	15.18	14.96	16.00
	12	LOW	QPSK	14.93	15.03	15.14	16.00
		MID	QPSK	14.99	15.17	14.93	16.00
		HIGH	QPSK	15.04	15.19	14.94	16.00
	25	LOW	QPSK	14.97	14.91	15.12	16.00
5	1	LOW	Q16	15.04	15.19	15.13	16.00
		MID	Q16	15.02	15.07	15.07	16.00
		HIGH	Q16	15.07	15.15	14.94	16.00
	12	LOW	Q16	15.08	15.09	15.16	16.00
		MID	Q16	15.19	14.99	15.10	16.00
		HIGH	Q16	14.99	14.99	15.05	16.00
	25	LOW	Q16	15.09	14.98	14.99	16.00
5	1	LOW	64QAM	15.06	15.16	15.09	16.00
		MID	64QAM	14.96	15.01	14.99	16.00
		HIGH	64QAM	15.07	15.08	14.94	16.00
	12	LOW	64QAM	14.95	15.19	15.10	16.00
		MID	64QAM	15.02	15.06	15.05	16.00
		HIGH	64QAM	14.96	14.92	15.06	16.00
	25	LOW	64QAM	15.06	14.96	14.90	16.00

LTE B4-Level3-Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	14.92	15.17	14.93	16.00
		MID	QPSK	15.01	15.02	15.08	16.00
		HIGH	QPSK	14.94	15.02	14.90	16.00
	25	LOW	QPSK	15.14	14.90	15.14	16.00
		MID	QPSK	15.17	14.91	15.04	16.00
		HIGH	QPSK	14.98	15.00	15.04	16.00
	50	LOW	QPSK	14.94	15.02	14.90	16.00
10	1	LOW	Q16	15.04	15.13	14.93	16.00
		MID	Q16	15.03	15.13	15.08	16.00
		HIGH	Q16	14.98	15.20	15.05	16.00
	25	LOW	Q16	15.00	14.98	15.10	16.00
		MID	Q16	15.05	15.11	15.13	16.00
		HIGH	Q16	15.00	14.99	15.10	16.00
	50	LOW	Q16	15.06	15.14	15.14	16.00
10	1	LOW	64QAM	15.06	14.95	15.10	16.00
		MID	64QAM	15.18	15.14	15.19	16.00
		HIGH	64QAM	14.99	14.96	15.04	16.00
	25	LOW	64QAM	14.91	15.12	15.05	16.00
		MID	64QAM	15.17	15.16	15.03	16.00
		HIGH	64QAM	15.11	14.93	15.07	16.00
	50	LOW	64QAM	15.10	14.92	15.16	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	15.10	14.95	15.14	16.00
		MID	QPSK	15.08	15.05	15.20	16.00
		HIGH	QPSK	14.99	15.01	15.03	16.00
	36	LOW	QPSK	14.96	15.08	14.94	16.00
		MID	QPSK	14.91	14.99	14.99	16.00
		HIGH	QPSK	15.17	15.05	14.96	16.00
	75	LOW	QPSK	15.12	15.20	15.03	16.00
15	1	LOW	Q16	14.94	14.96	15.01	16.00
		MID	Q16	15.07	14.98	14.93	16.00
		HIGH	Q16	15.09	15.07	15.19	16.00
	36	LOW	Q16	15.14	15.13	15.19	16.00
		MID	Q16	15.01	15.11	15.11	16.00
		HIGH	Q16	14.96	14.98	15.17	16.00
	75	LOW	Q16	15.03	14.92	14.93	16.00
15	1	LOW	64QAM	15.11	14.93	15.11	16.00
		MID	64QAM	14.95	15.06	15.17	16.00
		HIGH	64QAM	15.18	15.19	14.96	16.00
	36	LOW	64QAM	14.95	15.06	15.11	16.00
		MID	64QAM	14.90	14.92	15.08	16.00
		HIGH	64QAM	14.96	15.13	15.18	16.00
	75	LOW	64QAM	15.16	15.12	15.06	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	15.09	15.06	15.19	16.00
		MID	QPSK	15.08	15.08	15.12	16.00
		HIGH	QPSK	14.93	15.16	14.98	16.00
	50	LOW	QPSK	15.03	15.20	14.98	16.00
		MID	QPSK	15.11	15.12	15.17	16.00
		HIGH	QPSK	14.92	15.12	14.98	16.00
	100	LOW	QPSK	15.08	15.20	14.90	16.00
20	1	LOW	Q16	15.19	14.90	15.08	16.00
		MID	Q16	15.06	15.09	14.98	16.00
		HIGH	Q16	14.95	14.91	15.01	16.00
	50	LOW	Q16	15.13	15.19	15.03	16.00
		MID	Q16	14.97	15.20	15.19	16.00
		HIGH	Q16	15.11	15.19	15.20	16.00
	100	LOW	Q16	15.03	14.95	15.19	16.00
20	1	LOW	64QAM	14.98	15.13	15.14	16.00
		MID	64QAM	15.01	15.13	15.04	16.00
		HIGH	64QAM	15.09	15.04	14.98	16.00
	50	LOW	64QAM	14.95	15.06	14.94	16.00
		MID	64QAM	15.09	14.99	15.15	16.00
		HIGH	64QAM	15.12	15.04	15.13	16.00
	100	LOW	64QAM	15.06	15.08	15.14	16.00

8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.30	22.31	22.36	23.00
		MID	QPSK	22.27	22.28	22.36	23.00
		HIGH	QPSK	22.31	22.32	22.36	23.00
	3	LOW	QPSK	22.29	22.31	22.43	23.00
		MID	QPSK	22.33	22.31	**22.45**	23.00
		HIGH	QPSK	22.29	22.29	22.42	23.00
	6	LOW	QPSK	21.28	21.36	21.39	22.00
1.4	1	LOW	Q16	21.42	21.72	21.44	22.00
		MID	Q16	21.46	21.70	21.46	22.00
		HIGH	Q16	21.43	21.73	21.46	22.00
	3	LOW	Q16	21.32	21.54	21.58	22.00
		MID	Q16	21.33	21.49	21.57	22.00
		HIGH	Q16	21.34	21.51	21.55	22.00
	6	LOW	Q16	20.38	20.21	20.56	21.00
1.4	1	LOW	64QAM	20.53	20.68	20.56	21.00
		MID	64QAM	20.49	20.55	20.35	21.00
		HIGH	64QAM	20.42	20.74	20.33	21.00
	3	LOW	64QAM	20.47	20.48	20.49	21.00
		MID	64QAM	20.46	20.35	20.47	21.00
		HIGH	64QAM	20.33	20.56	20.44	21.00
	6	LOW	64QAM	19.31	19.27	19.53	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.40	22.39	22.34	23.00
		MID	QPSK	22.47	**22.48**	22.47	23.00
		HIGH	QPSK	22.22	22.30	22.18	23.00
	8	LOW	QPSK	21.23	21.36	21.37	22.00
		MID	QPSK	21.42	21.30	21.32	22.00
		HIGH	QPSK	21.11	21.10	21.59	22.00
	15	LOW	QPSK	21.14	21.21	21.35	22.00
3	1	LOW	Q16	21.69	21.65	21.87	22.00
		MID	Q16	21.85	21.69	21.95	22.00
		HIGH	Q16	21.81	21.79	21.67	22.00
	8	LOW	Q16	20.22	20.33	20.46	21.00
		MID	Q16	20.38	20.29	20.40	21.00
		HIGH	Q16	20.15	20.27	20.43	21.00
	15	LOW	Q16	20.19	20.36	20.54	21.00
3	1	LOW	64QAM	20.70	20.74	20.63	21.00
		MID	64QAM	20.80	20.79	20.82	21.00
		HIGH	64QAM	20.72	20.73	20.60	21.00
	8	LOW	64QAM	19.18	19.42	19.51	20.00
		MID	64QAM	19.32	19.45	19.30	20.00
		HIGH	64QAM	19.09	19.30	19.32	20.00
	15	LOW	64QAM	19.37	19.25	19.45	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.21	22.19	22.33	23.00
		MID	QPSK	**22.49**	22.38	22.29	23.00
		HIGH	QPSK	22.26	22.32	22.36	23.00
	12	LOW	QPSK	21.09	21.40	21.55	22.00
		MID	QPSK	21.25	21.38	21.41	22.00
		HIGH	QPSK	21.16	21.26	21.49	22.00
	25	LOW	QPSK	21.37	21.20	21.30	22.00
5	1	LOW	Q16	21.78	21.64	21.61	22.00
		MID	Q16	21.95	21.90	21.67	22.00
		HIGH	Q16	21.82	21.61	21.57	22.00
	12	LOW	Q16	20.14	20.40	20.39	21.00
		MID	Q16	20.24	20.51	20.49	21.00
		HIGH	Q16	20.13	20.14	20.50	21.00
	25	LOW	Q16	20.26	20.22	20.53	21.00
5	1	LOW	64QAM	20.61	20.58	20.64	21.00
		MID	64QAM	20.97	20.76	20.90	21.00
		HIGH	64QAM	20.89	20.74	20.60	21.00
	12	LOW	64QAM	19.33	19.43	19.43	20.00
		MID	64QAM	19.37	19.44	19.50	20.00
		HIGH	64QAM	19.27	19.20	19.40	20.00
	25	LOW	64QAM	19.18	19.34	19.36	20.00

LTE B4-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	**22.46**	22.37	22.15	23.00
		MID	QPSK	22.38	22.30	22.42	23.00
		HIGH	QPSK	22.16	22.17	22.20	23.00
	25	LOW	QPSK	21.27	21.35	21.46	22.00
		MID	QPSK	21.37	21.37	21.52	22.00
		HIGH	QPSK	21.35	21.29	21.46	22.00
	50	LOW	QPSK	21.33	21.36	21.35	22.00
10	1	LOW	Q16	21.91	21.59	21.60	22.00
		MID	Q16	22.00	21.78	21.75	22.00
		HIGH	Q16	21.63	21.72	21.80	22.00
	25	LOW	Q16	20.19	20.54	20.44	21.00
		MID	Q16	20.44	20.43	20.51	21.00
		HIGH	Q16	20.15	20.25	20.37	21.00
	50	LOW	Q16	20.29	20.20	20.38	21.00
10	1	LOW	64QAM	20.80	20.82	20.84	21.00
		MID	64QAM	20.89	20.77	20.91	21.00
		HIGH	64QAM	20.83	20.75	20.65	21.00
	25	LOW	64QAM	19.32	19.59	19.54	20.00
		MID	64QAM	19.20	19.24	19.42	20.00
		HIGH	64QAM	19.18	19.37	19.49	20.00
	50	LOW	64QAM	19.32	19.44	19.46	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.26	22.24	22.16	23.00
		MID	QPSK	22.50	**22.52**	22.28	23.00
		HIGH	QPSK	22.13	22.35	22.36	23.00
	36	LOW	QPSK	21.10	21.50	21.48	22.00
		MID	QPSK	21.45	21.49	21.37	22.00
		HIGH	QPSK	21.22	21.18	21.57	22.00
	75	LOW	QPSK	21.16	21.43	21.31	22.00
15	1	LOW	Q16	21.65	21.65	21.81	22.00
		MID	Q16	22.00	21.88	21.69	22.00
		HIGH	Q16	21.66	21.80	21.70	22.00
	36	LOW	Q16	20.32	20.38	20.31	21.00
		MID	Q16	20.44	20.27	20.41	21.00
		HIGH	Q16	20.13	20.21	20.46	21.00
	75	LOW	Q16	20.33	20.46	20.33	21.00
15	1	LOW	64QAM	20.89	20.66	20.57	21.00
		MID	64QAM	20.72	20.70	20.95	21.00
		HIGH	64QAM	20.76	20.62	20.77	21.00
	36	LOW	64QAM	19.12	19.39	19.45	20.00
		MID	64QAM	19.23	19.47	19.50	20.00
		HIGH	64QAM	19.36	19.21	19.33	20.00
	75	LOW	64QAM	19.30	19.30	19.37	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.33	22.30	22.29	23.00
		MID	QPSK	22.37	**22.41**	22.39	23.00
		HIGH	QPSK	22.20	22.30	22.25	23.00
	50	LOW	QPSK	21.20	21.51	21.46	22.00
		MID	QPSK	21.35	21.36	21.45	22.00
		HIGH	QPSK	21.24	21.24	21.49	22.00
	100	LOW	QPSK	21.22	21.35	21.44	22.00
20	1	LOW	Q16	21.76	21.73	21.72	22.00
		MID	Q16	21.87	21.79	21.80	22.00
		HIGH	Q16	21.76	21.70	21.67	22.00
	50	LOW	Q16	20.23	20.48	20.41	21.00
		MID	Q16	20.35	20.37	20.38	21.00
		HIGH	Q16	20.24	20.22	20.44	21.00
	100	LOW	Q16	20.26	20.34	20.41	21.00
20	1	LOW	64QAM	20.82	20.79	20.77	21.00
		MID	64QAM	20.87	20.79	20.87	21.00
		HIGH	64QAM	20.75	20.56	20.53	21.00
	50	LOW	64QAM	19.32	19.33	19.29	20.00
		MID	64QAM	19.28	19.28	19.31	20.00
		HIGH	64QAM	19.37	19.08	19.48	20.00
	100	LOW	64QAM	19.20	19.43	19.34	20.00

LTE B4-Level1&2&3&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.30	22.31	22.36	23.00
		MID	QPSK	22.27	22.28	22.36	23.00
		HIGH	QPSK	22.31	22.32	22.36	23.00
	3	LOW	QPSK	22.29	22.31	22.43	23.00
		MID	QPSK	22.33	22.31	**22.45**	23.00
		HIGH	QPSK	22.29	22.29	22.42	23.00
	6	LOW	QPSK	21.28	21.36	21.39	22.00
1.4	1	LOW	Q16	21.42	21.72	21.44	22.00
		MID	Q16	21.46	21.70	21.46	22.00
		HIGH	Q16	21.43	21.73	21.46	22.00
	3	LOW	Q16	21.32	21.54	21.58	22.00
		MID	Q16	21.33	21.49	21.57	22.00
		HIGH	Q16	21.34	21.51	21.55	22.00
	6	LOW	Q16	20.38	20.21	20.56	21.00
1.4	1	LOW	64QAM	20.53	20.68	20.56	21.00
		MID	64QAM	20.49	20.55	20.35	21.00
		HIGH	64QAM	20.42	20.74	20.33	21.00
	3	LOW	64QAM	20.47	20.48	20.49	21.00
		MID	64QAM	20.46	20.35	20.47	21.00
		HIGH	64QAM	20.33	20.56	20.44	21.00
	6	LOW	64QAM	19.31	19.27	19.53	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.40	22.39	22.34	23.00
		MID	QPSK	22.47	**22.48**	22.47	23.00
		HIGH	QPSK	22.22	22.30	22.18	23.00
	8	LOW	QPSK	21.23	21.36	21.37	22.00
		MID	QPSK	21.42	21.30	21.32	22.00
		HIGH	QPSK	21.11	21.10	21.59	22.00
	15	LOW	QPSK	21.14	21.21	21.35	22.00
3	1	LOW	Q16	21.69	21.65	21.87	22.00
		MID	Q16	21.85	21.69	21.95	22.00
		HIGH	Q16	21.81	21.79	21.67	22.00
	8	LOW	Q16	20.22	20.33	20.46	21.00
		MID	Q16	20.38	20.29	20.40	21.00
		HIGH	Q16	20.15	20.27	20.43	21.00
	15	LOW	Q16	20.19	20.36	20.54	21.00
3	1	LOW	64QAM	20.70	20.74	20.63	21.00
		MID	64QAM	20.80	20.79	20.82	21.00
		HIGH	64QAM	20.72	20.73	20.60	21.00
	8	LOW	64QAM	19.18	19.42	19.51	20.00
		MID	64QAM	19.32	19.45	19.30	20.00
		HIGH	64QAM	19.09	19.30	19.32	20.00
	15	LOW	64QAM	19.37	19.25	19.45	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.21	22.19	22.33	23.00
		MID	QPSK	**22.49**	22.38	22.29	23.00
		HIGH	QPSK	22.26	22.32	22.36	23.00
	12	LOW	QPSK	21.09	21.40	21.55	22.00
		MID	QPSK	21.25	21.38	21.41	22.00
		HIGH	QPSK	21.16	21.26	21.49	22.00
	25	LOW	QPSK	21.37	21.20	21.30	22.00
5	1	LOW	Q16	21.78	21.64	21.61	22.00
		MID	Q16	21.95	21.90	21.67	22.00
		HIGH	Q16	21.82	21.61	21.57	22.00
	12	LOW	Q16	20.14	20.40	20.39	21.00
		MID	Q16	20.24	20.51	20.49	21.00
		HIGH	Q16	20.13	20.14	20.50	21.00
	25	LOW	Q16	20.26	20.22	20.53	21.00
5	1	LOW	64QAM	20.61	20.58	20.64	21.00
		MID	64QAM	20.97	20.76	20.90	21.00
		HIGH	64QAM	20.89	20.74	20.60	21.00
	12	LOW	64QAM	19.33	19.43	19.43	20.00
		MID	64QAM	19.37	19.44	19.50	20.00
		HIGH	64QAM	19.27	19.20	19.40	20.00
	25	LOW	64QAM	19.18	19.34	19.36	20.00

LTE B4-Level1&2&3&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	**22.46**	22.37	22.15	23.00
		MID	QPSK	22.38	22.30	22.42	23.00
		HIGH	QPSK	22.16	22.17	22.20	23.00
	25	LOW	QPSK	21.27	21.35	21.46	22.00
		MID	QPSK	21.37	21.37	21.52	22.00
		HIGH	QPSK	21.35	21.29	21.46	22.00
	50	LOW	QPSK	21.33	21.36	21.35	22.00
10	1	LOW	Q16	21.91	21.59	21.60	22.00
		MID	Q16	22.00	21.78	21.75	22.00
		HIGH	Q16	21.63	21.72	21.80	22.00
	25	LOW	Q16	20.19	20.54	20.44	21.00
		MID	Q16	20.44	20.43	20.51	21.00
		HIGH	Q16	20.15	20.25	20.37	21.00
	50	LOW	Q16	20.29	20.20	20.38	21.00
10	1	LOW	64QAM	20.80	20.82	20.84	21.00
		MID	64QAM	20.89	20.77	20.91	21.00
		HIGH	64QAM	20.83	20.75	20.65	21.00
	25	LOW	64QAM	19.32	19.59	19.54	20.00
		MID	64QAM	19.20	19.24	19.42	20.00
		HIGH	64QAM	19.18	19.37	19.49	20.00
	50	LOW	64QAM	19.32	19.44	19.46	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.26	22.24	22.16	23.00
		MID	QPSK	22.50	**22.52**	22.28	23.00
		HIGH	QPSK	22.13	22.35	22.36	23.00
	36	LOW	QPSK	21.10	21.50	21.48	22.00
		MID	QPSK	21.45	21.49	21.37	22.00
		HIGH	QPSK	21.22	21.18	21.57	22.00
	75	LOW	QPSK	21.16	21.43	21.31	22.00
15	1	LOW	Q16	21.65	21.65	21.81	22.00
		MID	Q16	22.00	21.88	21.69	22.00
		HIGH	Q16	21.66	21.80	21.70	22.00
	36	LOW	Q16	20.32	20.38	20.31	21.00
		MID	Q16	20.44	20.27	20.41	21.00
		HIGH	Q16	20.13	20.21	20.46	21.00
	75	LOW	Q16	20.33	20.46	20.33	21.00
15	1	LOW	64QAM	20.89	20.66	20.57	21.00
		MID	64QAM	20.72	20.70	20.95	21.00
		HIGH	64QAM	20.76	20.62	20.77	21.00
	36	LOW	64QAM	19.12	19.39	19.45	20.00
		MID	64QAM	19.23	19.47	19.50	20.00
		HIGH	64QAM	19.36	19.21	19.33	20.00
	75	LOW	64QAM	19.30	19.30	19.37	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.33	22.30	22.29	23.00
		MID	QPSK	22.37	**22.41**	22.39	23.00
		HIGH	QPSK	22.20	22.30	22.25	23.00
	50	LOW	QPSK	21.20	21.51	21.46	22.00
		MID	QPSK	21.35	21.36	21.45	22.00
		HIGH	QPSK	21.24	21.24	21.49	22.00
	100	LOW	QPSK	21.22	21.35	21.44	22.00
20	1	LOW	Q16	21.76	21.73	21.72	22.00
		MID	Q16	21.87	21.79	21.80	22.00
		HIGH	Q16	21.76	21.70	21.67	22.00
	50	LOW	Q16	20.23	20.48	20.41	21.00
		MID	Q16	20.35	20.37	20.38	21.00
		HIGH	Q16	20.24	20.22	20.44	21.00
	100	LOW	Q16	20.26	20.34	20.41	21.00
20	1	LOW	64QAM	20.82	20.79	20.77	21.00
		MID	64QAM	20.87	20.79	20.87	21.00
		HIGH	64QAM	20.75	20.56	20.53	21.00
	50	LOW	64QAM	19.32	19.33	19.29	20.00
		MID	64QAM	19.28	19.28	19.31	20.00
		HIGH	64QAM	19.37	19.08	19.48	20.00
	100	LOW	64QAM	19.20	19.43	19.34	20.00

8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.30	22.31	22.36	23.00
		MID	QPSK	22.27	22.28	22.36	23.00
		HIGH	QPSK	22.31	22.32	22.36	23.00
	3	LOW	QPSK	22.29	22.31	22.43	23.00
		MID	QPSK	22.33	22.31	**22.45**	23.00
		HIGH	QPSK	22.29	22.29	22.42	23.00
	6	LOW	QPSK	21.28	21.36	21.39	22.00
1.4	1	LOW	Q16	21.42	21.72	21.44	22.00
		MID	Q16	21.46	21.70	21.46	22.00
		HIGH	Q16	21.43	21.73	21.46	22.00
	3	LOW	Q16	21.32	21.54	21.58	22.00
		MID	Q16	21.33	21.49	21.57	22.00
		HIGH	Q16	21.34	21.51	21.55	22.00
	6	LOW	Q16	20.38	20.21	20.56	21.00
1.4	1	LOW	64QAM	20.53	20.68	20.56	21.00
		MID	64QAM	20.49	20.55	20.35	21.00
		HIGH	64QAM	20.42	20.74	20.33	21.00
	3	LOW	64QAM	20.47	20.48	20.49	21.00
		MID	64QAM	20.46	20.35	20.47	21.00
		HIGH	64QAM	20.33	20.56	20.44	21.00
	6	LOW	64QAM	19.31	19.27	19.53	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.40	22.39	22.34	23.00
		MID	QPSK	22.47	**22.48**	22.47	23.00
		HIGH	QPSK	22.22	22.30	22.18	23.00
	8	LOW	QPSK	21.23	21.36	21.37	22.00
		MID	QPSK	21.42	21.30	21.32	22.00
		HIGH	QPSK	21.11	21.10	21.59	22.00
	15	LOW	QPSK	21.14	21.21	21.35	22.00
3	1	LOW	Q16	21.69	21.65	21.87	22.00
		MID	Q16	21.85	21.69	21.95	22.00
		HIGH	Q16	21.81	21.79	21.67	22.00
	8	LOW	Q16	20.22	20.33	20.46	21.00
		MID	Q16	20.38	20.29	20.40	21.00
		HIGH	Q16	20.15	20.27	20.43	21.00
	15	LOW	Q16	20.19	20.36	20.54	21.00
3	1	LOW	64QAM	20.70	20.74	20.63	21.00
		MID	64QAM	20.80	20.79	20.82	21.00
		HIGH	64QAM	20.72	20.73	20.60	21.00
	8	LOW	64QAM	19.18	19.42	19.51	20.00
		MID	64QAM	19.32	19.45	19.30	20.00
		HIGH	64QAM	19.09	19.30	19.32	20.00
	15	LOW	64QAM	19.37	19.25	19.45	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.21	22.19	22.33	23.00
		MID	QPSK	**22.49**	22.38	22.29	23.00
		HIGH	QPSK	22.26	22.32	22.36	23.00
	12	LOW	QPSK	21.09	21.40	21.55	22.00
		MID	QPSK	21.25	21.38	21.41	22.00
		HIGH	QPSK	21.16	21.26	21.49	22.00
	25	LOW	QPSK	21.37	21.20	21.30	22.00
5	1	LOW	Q16	21.78	21.64	21.61	22.00
		MID	Q16	21.95	21.90	21.67	22.00
		HIGH	Q16	21.82	21.61	21.57	22.00
	12	LOW	Q16	20.14	20.40	20.39	21.00
		MID	Q16	20.24	20.51	20.49	21.00
		HIGH	Q16	20.13	20.14	20.50	21.00
	25	LOW	Q16	20.26	20.22	20.53	21.00
5	1	LOW	64QAM	20.61	20.58	20.64	21.00
		MID	64QAM	20.97	20.76	20.90	21.00
		HIGH	64QAM	20.89	20.74	20.60	21.00
	12	LOW	64QAM	19.33	19.43	19.43	20.00
		MID	64QAM	19.37	19.44	19.50	20.00
		HIGH	64QAM	19.27	19.20	19.40	20.00
	25	LOW	64QAM	19.18	19.34	19.36	20.00

LTE B4-Full Power -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	**22.46**	22.37	22.15	23.00
		MID	QPSK	22.38	22.30	22.42	23.00
		HIGH	QPSK	22.16	22.17	22.20	23.00
	25	LOW	QPSK	21.27	21.35	21.46	22.00
		MID	QPSK	21.37	21.37	21.52	22.00
		HIGH	QPSK	21.35	21.29	21.46	22.00
	50	LOW	QPSK	21.33	21.36	21.35	22.00
10	1	LOW	Q16	21.91	21.59	21.60	22.00
		MID	Q16	22.00	21.78	21.75	22.00
		HIGH	Q16	21.63	21.72	21.80	22.00
	25	LOW	Q16	20.19	20.54	20.44	21.00
		MID	Q16	20.44	20.43	20.51	21.00
		HIGH	Q16	20.15	20.25	20.37	21.00
	50	LOW	Q16	20.29	20.20	20.38	21.00
10	1	LOW	64QAM	20.80	20.82	20.84	21.00
		MID	64QAM	20.89	20.77	20.91	21.00
		HIGH	64QAM	20.83	20.75	20.65	21.00
	25	LOW	64QAM	19.32	19.59	19.54	20.00
		MID	64QAM	19.20	19.24	19.42	20.00
		HIGH	64QAM	19.18	19.37	19.49	20.00
	50	LOW	64QAM	19.32	19.44	19.46	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.26	22.24	22.16	23.00
		MID	QPSK	22.50	**22.52**	22.28	23.00
		HIGH	QPSK	22.13	22.35	22.36	23.00
	36	LOW	QPSK	21.10	21.50	21.48	22.00
		MID	QPSK	21.45	21.49	21.37	22.00
		HIGH	QPSK	21.22	21.18	21.57	22.00
	75	LOW	QPSK	21.16	21.43	21.31	22.00
15	1	LOW	Q16	21.65	21.65	21.81	22.00
		MID	Q16	22.00	21.88	21.69	22.00
		HIGH	Q16	21.66	21.80	21.70	22.00
	36	LOW	Q16	20.32	20.38	20.31	21.00
		MID	Q16	20.44	20.27	20.41	21.00
		HIGH	Q16	20.13	20.21	20.46	21.00
	75	LOW	Q16	20.33	20.46	20.33	21.00
15	1	LOW	64QAM	20.89	20.66	20.57	21.00
		MID	64QAM	20.72	20.70	20.95	21.00
		HIGH	64QAM	20.76	20.62	20.77	21.00
	36	LOW	64QAM	19.12	19.39	19.45	20.00
		MID	64QAM	19.23	19.47	19.50	20.00
		HIGH	64QAM	19.36	19.21	19.33	20.00
	75	LOW	64QAM	19.30	19.30	19.37	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.33	22.30	22.29	23.00
		MID	QPSK	22.37	**22.41**	22.39	23.00
		HIGH	QPSK	22.20	22.30	22.25	23.00
	50	LOW	QPSK	21.20	21.51	21.46	22.00
		MID	QPSK	21.35	21.36	21.45	22.00
		HIGH	QPSK	21.24	21.24	21.49	22.00
	100	LOW	QPSK	21.22	21.35	21.44	22.00
20	1	LOW	Q16	21.76	21.73	21.72	22.00
		MID	Q16	21.87	21.79	21.80	22.00
		HIGH	Q16	21.76	21.70	21.67	22.00
	50	LOW	Q16	20.23	20.48	20.41	21.00
		MID	Q16	20.35	20.37	20.38	21.00
		HIGH	Q16	20.24	20.22	20.44	21.00
	100	LOW	Q16	20.26	20.34	20.41	21.00
20	1	LOW	64QAM	20.82	20.79	20.77	21.00
		MID	64QAM	20.87	20.79	20.87	21.00
		HIGH	64QAM	20.75	20.56	20.53	21.00
	50	LOW	64QAM	19.32	19.33	19.29	20.00
		MID	64QAM	19.28	19.28	19.31	20.00
		HIGH	64QAM	19.37	19.08	19.48	20.00
	100	LOW	64QAM	19.20	19.43	19.34	20.00

LTE B4-Level1&2&3 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.30	22.31	22.36	23.00
		MID	QPSK	22.27	22.28	22.36	23.00
		HIGH	QPSK	22.31	22.32	22.36	23.00
	3	LOW	QPSK	22.29	22.31	22.43	23.00
		MID	QPSK	22.33	22.31	**22.45**	23.00
		HIGH	QPSK	22.29	22.29	22.42	23.00
	6	LOW	QPSK	21.28	21.36	21.39	22.00
1.4	1	LOW	Q16	21.42	21.72	21.44	22.00
		MID	Q16	21.46	21.70	21.46	22.00
		HIGH	Q16	21.43	21.73	21.46	22.00
	3	LOW	Q16	21.32	21.54	21.58	22.00
		MID	Q16	21.33	21.49	21.57	22.00
		HIGH	Q16	21.34	21.51	21.55	22.00
	6	LOW	Q16	20.38	20.21	20.56	21.00
1.4	1	LOW	64QAM	20.53	20.68	20.56	21.00
		MID	64QAM	20.49	20.55	20.35	21.00
		HIGH	64QAM	20.42	20.74	20.33	21.00
	3	LOW	64QAM	20.47	20.48	20.49	21.00
		MID	64QAM	20.46	20.35	20.47	21.00
		HIGH	64QAM	20.33	20.56	20.44	21.00
	6	LOW	64QAM	19.31	19.27	19.53	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.40	22.39	22.34	23.00
		MID	QPSK	22.47	**22.48**	22.47	23.00
		HIGH	QPSK	22.22	22.30	22.18	23.00
	8	LOW	QPSK	21.23	21.36	21.37	22.00
		MID	QPSK	21.42	21.30	21.32	22.00
		HIGH	QPSK	21.11	21.10	21.59	22.00
	15	LOW	QPSK	21.14	21.21	21.35	22.00
3	1	LOW	Q16	21.69	21.65	21.87	22.00
		MID	Q16	21.85	21.69	21.95	22.00
		HIGH	Q16	21.81	21.79	21.67	22.00
	8	LOW	Q16	20.22	20.33	20.46	21.00
		MID	Q16	20.38	20.29	20.40	21.00
		HIGH	Q16	20.15	20.27	20.43	21.00
	15	LOW	Q16	20.19	20.36	20.54	21.00
3	1	LOW	64QAM	20.70	20.74	20.63	21.00
		MID	64QAM	20.80	20.79	20.82	21.00
		HIGH	64QAM	20.72	20.73	20.60	21.00
	8	LOW	64QAM	19.18	19.42	19.51	20.00
		MID	64QAM	19.32	19.45	19.30	20.00
		HIGH	64QAM	19.09	19.30	19.32	20.00
	15	LOW	64QAM	19.37	19.25	19.45	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.21	22.19	22.33	23.00
		MID	QPSK	**22.49**	22.38	22.29	23.00
		HIGH	QPSK	22.26	22.32	22.36	23.00
	12	LOW	QPSK	21.09	21.40	21.55	22.00
		MID	QPSK	21.25	21.38	21.41	22.00
		HIGH	QPSK	21.16	21.26	21.49	22.00
	25	LOW	QPSK	21.37	21.20	21.30	22.00
5	1	LOW	Q16	21.78	21.64	21.61	22.00
		MID	Q16	21.95	21.90	21.67	22.00
		HIGH	Q16	21.82	21.61	21.57	22.00
	12	LOW	Q16	20.14	20.40	20.39	21.00
		MID	Q16	20.24	20.51	20.49	21.00
		HIGH	Q16	20.13	20.14	20.50	21.00
	25	LOW	Q16	20.26	20.22	20.53	21.00
5	1	LOW	64QAM	20.61	20.58	20.64	21.00
		MID	64QAM	20.97	20.76	20.90	21.00
		HIGH	64QAM	20.89	20.74	20.60	21.00
	12	LOW	64QAM	19.33	19.43	19.43	20.00
		MID	64QAM	19.37	19.44	19.50	20.00
		HIGH	64QAM	19.27	19.20	19.40	20.00
	25	LOW	64QAM	19.18	19.34	19.36	20.00

LTE B4-Level1&2&3 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	**22.46**	22.37	22.15	23.00
		MID	QPSK	22.38	22.30	22.42	23.00
		HIGH	QPSK	22.16	22.17	22.20	23.00
	25	LOW	QPSK	21.27	21.35	21.46	22.00
		MID	QPSK	21.37	21.37	21.52	22.00
		HIGH	QPSK	21.35	21.29	21.46	22.00
	50	LOW	QPSK	21.33	21.36	21.35	22.00
10	1	LOW	Q16	21.91	21.59	21.60	22.00
		MID	Q16	22.00	21.78	21.75	22.00
		HIGH	Q16	21.63	21.72	21.80	22.00
	25	LOW	Q16	20.19	20.54	20.44	21.00
		MID	Q16	20.44	20.43	20.51	21.00
		HIGH	Q16	20.15	20.25	20.37	21.00
	50	LOW	Q16	20.29	20.20	20.38	21.00
10	1	LOW	64QAM	20.80	20.82	20.84	21.00
		MID	64QAM	20.89	20.77	20.91	21.00
		HIGH	64QAM	20.83	20.75	20.65	21.00
	25	LOW	64QAM	19.32	19.59	19.54	20.00
		MID	64QAM	19.20	19.24	19.42	20.00
		HIGH	64QAM	19.18	19.37	19.49	20.00
	50	LOW	64QAM	19.32	19.44	19.46	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.26	22.24	22.16	23.00
		MID	QPSK	22.50	**22.52**	22.28	23.00
		HIGH	QPSK	22.13	22.35	22.36	23.00
	36	LOW	QPSK	21.10	21.50	21.48	22.00
		MID	QPSK	21.45	21.49	21.37	22.00
		HIGH	QPSK	21.22	21.18	21.57	22.00
	75	LOW	QPSK	21.16	21.43	21.31	22.00
15	1	LOW	Q16	21.65	21.65	21.81	22.00
		MID	Q16	22.00	21.88	21.69	22.00
		HIGH	Q16	21.66	21.80	21.70	22.00
	36	LOW	Q16	20.32	20.38	20.31	21.00
		MID	Q16	20.44	20.27	20.41	21.00
		HIGH	Q16	20.13	20.21	20.46	21.00
	75	LOW	Q16	20.33	20.46	20.33	21.00
15	1	LOW	64QAM	20.89	20.66	20.57	21.00
		MID	64QAM	20.72	20.70	20.95	21.00
		HIGH	64QAM	20.76	20.62	20.77	21.00
	36	LOW	64QAM	19.12	19.39	19.45	20.00
		MID	64QAM	19.23	19.47	19.50	20.00
		HIGH	64QAM	19.36	19.21	19.33	20.00
	75	LOW	64QAM	19.30	19.30	19.37	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.33	22.30	22.29	23.00
		MID	QPSK	22.37	**22.41**	22.39	23.00
		HIGH	QPSK	22.20	22.30	22.25	23.00
	50	LOW	QPSK	21.20	21.51	21.46	22.00
		MID	QPSK	21.35	21.36	21.45	22.00
		HIGH	QPSK	21.24	21.24	21.49	22.00
	100	LOW	QPSK	21.22	21.35	21.44	22.00
20	1	LOW	Q16	21.76	21.73	21.72	22.00
		MID	Q16	21.87	21.79	21.80	22.00
		HIGH	Q16	21.76	21.70	21.67	22.00
	50	LOW	Q16	20.23	20.48	20.41	21.00
		MID	Q16	20.35	20.37	20.38	21.00
		HIGH	Q16	20.24	20.22	20.44	21.00
	100	LOW	Q16	20.26	20.34	20.41	21.00
20	1	LOW	64QAM	20.82	20.79	20.77	21.00
		MID	64QAM	20.87	20.79	20.87	21.00
		HIGH	64QAM	20.75	20.56	20.53	21.00
	50	LOW	64QAM	19.32	19.33	19.29	20.00
		MID	64QAM	19.28	19.28	19.31	20.00
		HIGH	64QAM	19.37	19.08	19.48	20.00
	100	LOW	64QAM	19.20	19.43	19.34	20.00

LTE B4-Level4 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.73	20.82	20.71	21.50
		MID	QPSK	20.65	20.79	20.77	21.50
		HIGH	QPSK	20.76	20.78	20.74	21.50
	3	LOW	QPSK	20.77	20.78	20.95	21.50
		MID	QPSK	20.73	20.70	20.83	21.50
		HIGH	QPSK	20.78	20.69	20.81	21.50
	6	LOW	QPSK	20.66	20.72	20.86	21.50
1.4	1	LOW	Q16	20.84	21.19	20.80	21.50
		MID	Q16	20.98	21.22	20.95	21.50
		HIGH	Q16	20.96	21.11	20.90	21.50
	3	LOW	Q16	20.80	21.04	21.08	21.50
		MID	Q16	20.70	20.86	20.99	21.50
		HIGH	Q16	20.70	20.86	21.06	21.50
	6	LOW	Q16	20.37	20.10	20.40	21.00
1.4	1	LOW	64QAM	20.53	20.65	20.41	21.00
		MID	64QAM	20.44	20.57	20.35	21.00
		HIGH	64QAM	20.41	20.77	20.29	21.00
	3	LOW	64QAM	20.48	20.43	20.47	21.00
		MID	64QAM	20.47	20.33	20.36	21.00
		HIGH	64QAM	20.28	20.53	20.36	21.00
	6	LOW	64QAM	19.30	19.13	19.51	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	20.78	20.73	20.78	21.50
		MID	QPSK	20.87	20.96	20.93	21.50
		HIGH	QPSK	20.75	20.77	20.69	21.50
	8	LOW	QPSK	20.63	20.84	20.75	21.50
		MID	QPSK	20.91	20.73	20.68	21.50
		HIGH	QPSK	20.58	20.62	21.09	21.50
	15	LOW	QPSK	20.51	20.71	20.76	21.50
3	1	LOW	Q16	21.21	21.17	21.27	21.50
		MID	Q16	21.26	21.14	21.46	21.50
		HIGH	Q16	21.28	21.14	21.07	21.50
	8	LOW	Q16	20.12	20.26	20.35	21.00
		MID	Q16	20.23	20.26	20.33	21.00
		HIGH	Q16	20.09	20.17	20.31	21.00
	15	LOW	Q16	20.15	20.30	20.48	21.00
3	1	LOW	64QAM	20.65	20.75	20.54	21.00
		MID	64QAM	20.64	20.78	20.85	21.00
		HIGH	64QAM	20.67	20.61	20.55	21.00
	8	LOW	64QAM	19.13	19.37	19.47	20.00
		MID	64QAM	19.33	19.48	19.27	20.00
		HIGH	64QAM	19.08	19.17	19.26	20.00
	15	LOW	64QAM	19.28	19.24	19.41	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	20.56	20.66	20.76	21.50
		MID	QPSK	20.96	20.86	20.74	21.50
		HIGH	QPSK	20.62	20.69	20.80	21.50
	12	LOW	QPSK	20.58	20.85	20.98	21.50
		MID	QPSK	20.76	20.75	20.79	21.50
		HIGH	QPSK	20.55	20.68	20.84	21.50
	25	LOW	QPSK	20.83	20.61	20.66	21.50
5	1	LOW	Q16	21.29	21.06	21.06	21.50
		MID	Q16	21.43	21.40	21.03	21.50
		HIGH	Q16	21.17	21.13	21.02	21.50
	12	LOW	Q16	20.16	20.35	20.36	21.00
		MID	Q16	20.11	20.46	20.41	21.00
		HIGH	Q16	19.97	19.99	20.48	21.00
	25	LOW	Q16	20.15	20.22	20.50	21.00
5	1	LOW	64QAM	20.60	20.59	20.54	21.00
		MID	64QAM	20.81	20.64	20.83	21.00
		HIGH	64QAM	20.81	20.70	20.61	21.00
	12	LOW	64QAM	19.33	19.41	19.37	20.00
		MID	64QAM	19.33	19.42	19.34	20.00
		HIGH	64QAM	19.20	19.23	19.36	20.00
	25	LOW	64QAM	19.04	19.32	19.32	20.00

LTE B4-Level4 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	20.97	20.83	20.65	21.50
		MID	QPSK	20.86	20.81	20.83	21.50
		HIGH	QPSK	20.67	20.51	20.58	21.50
	25	LOW	QPSK	20.70	20.83	20.82	21.50
		MID	QPSK	20.79	20.90	20.97	21.50
		HIGH	QPSK	20.76	20.67	20.88	21.50
	50	LOW	QPSK	20.74	20.81	20.86	21.50
10	1	LOW	Q16	21.40	21.11	21.06	21.50
		MID	Q16	21.52	21.27	21.18	21.50
		HIGH	Q16	21.13	21.23	21.19	21.50
	25	LOW	Q16	20.20	20.38	20.42	21.00
		MID	Q16	20.36	20.43	20.39	21.00
		HIGH	Q16	20.00	20.27	20.38	21.00
	50	LOW	Q16	20.24	20.10	20.29	21.00
10	1	LOW	64QAM	20.66	20.69	20.70	21.00
		MID	64QAM	20.78	20.68	20.90	21.00
		HIGH	64QAM	20.79	20.75	20.58	21.00
	25	LOW	64QAM	19.30	19.53	19.51	20.00
		MID	64QAM	19.21	19.11	19.37	20.00
		HIGH	64QAM	19.09	19.21	19.48	20.00
	50	LOW	64QAM	19.26	19.28	19.49	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	20.67	20.58	20.53	21.50
		MID	QPSK	20.91	20.86	20.76	21.50
		HIGH	QPSK	20.54	20.76	20.84	21.50
	36	LOW	QPSK	20.63	20.88	20.91	21.50
		MID	QPSK	20.79	21.01	20.83	21.50
		HIGH	QPSK	20.65	20.54	21.04	21.50
	75	LOW	QPSK	20.51	20.89	20.80	21.50
15	1	LOW	Q16	21.15	21.01	21.19	21.50
		MID	Q16	21.50	21.34	21.09	21.50
		HIGH	Q16	21.05	21.19	21.16	21.50
	36	LOW	Q16	20.28	20.39	20.27	21.00
		MID	Q16	20.33	20.11	20.32	21.00
		HIGH	Q16	20.08	20.21	20.31	21.00
	75	LOW	Q16	20.31	20.43	20.25	21.00
15	1	LOW	64QAM	20.78	20.56	20.44	21.00
		MID	64QAM	20.69	20.65	20.91	21.00
		HIGH	64QAM	20.69	20.57	20.65	21.00
	36	LOW	64QAM	19.08	19.27	19.45	20.00
		MID	64QAM	19.10	19.50	19.35	20.00
		HIGH	64QAM	19.21	19.23	19.32	20.00
	75	LOW	64QAM	19.16	19.18	19.32	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	20.77	20.68	20.67	21.50
		MID	QPSK	20.90	20.94	20.73	21.50
		HIGH	QPSK	20.64	20.76	20.63	21.50
	50	LOW	QPSK	20.65	20.98	20.87	21.50
		MID	QPSK	20.87	20.71	20.84	21.50
		HIGH	QPSK	20.64	20.58	20.97	21.50
	100	LOW	QPSK	20.63	20.73	20.96	21.50
20	1	LOW	Q16	21.22	21.17	21.19	21.50
		MID	Q16	21.24	21.18	21.33	21.50
		HIGH	Q16	21.25	21.23	21.08	21.50
	50	LOW	Q16	20.17	20.47	20.34	21.00
		MID	Q16	20.26	20.32	20.39	21.00
		HIGH	Q16	20.08	20.07	20.42	21.00
	100	LOW	Q16	20.16	20.30	20.33	21.00
20	1	LOW	64QAM	20.70	20.67	20.71	21.00
		MID	64QAM	20.72	20.81	20.73	21.00
		HIGH	64QAM	20.75	20.57	20.50	21.00
	50	LOW	64QAM	19.17	19.22	19.18	20.00
		MID	64QAM	19.18	19.15	19.23	20.00
		HIGH	64QAM	19.40	19.02	19.38	20.00
	100	LOW	64QAM	19.20	19.43	19.24	20.00

8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.82	20.77	20.72	21.50
		MID	QPSK	20.79	20.76	20.75	21.50
		HIGH	QPSK	20.78	20.77	20.75	21.50
	3	LOW	QPSK	20.89	20.83	20.87	21.50
		MID	QPSK	**20.90**	20.83	**20.90**	21.50
		HIGH	QPSK	20.89	20.80	20.86	21.50
	6	LOW	QPSK	19.82	19.87	19.85	20.50
1.4	1	LOW	Q16	20.00	20.23	19.78	20.50
		MID	Q16	20.00	20.19	19.79	20.50
		HIGH	Q16	19.96	20.25	19.84	20.50
	3	LOW	Q16	19.94	20.07	19.96	20.50
		MID	Q16	19.92	20.02	19.95	20.50
		HIGH	Q16	19.94	20.02	19.95	20.50
	6	LOW	Q16	18.92	18.69	18.99	19.50
1.4	1	LOW	64QAM	19.07	19.15	18.66	19.50
		MID	64QAM	19.13	19.24	18.83	19.50
		HIGH	64QAM	18.85	19.10	18.95	19.50
	3	LOW	64QAM	18.95	18.98	19.00	19.50
		MID	64QAM	18.90	18.98	18.94	19.50
		HIGH	64QAM	18.99	19.15	18.84	19.50
	6	LOW	64QAM	18.03	17.79	17.87	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	**20.91**	20.66	20.75	21.50
		MID	QPSK	20.87	20.88	20.90	21.50
		HIGH	QPSK	20.76	20.85	20.62	21.50
	8	LOW	QPSK	19.78	19.93	19.85	20.50
		MID	QPSK	19.81	19.95	19.92	20.50
		HIGH	QPSK	19.99	19.94	19.88	20.50
	15	LOW	QPSK	19.99	19.84	19.89	20.50
3	1	LOW	Q16	19.90	20.24	19.84	20.50
		MID	Q16	19.68	20.30	19.77	20.50
		HIGH	Q16	19.74	20.08	19.88	20.50
	8	LOW	Q16	18.89	18.82	18.92	19.50
		MID	Q16	18.91	18.92	19.05	19.50
		HIGH	Q16	18.98	18.87	18.89	19.50
	15	LOW	Q16	18.72	19.03	18.75	19.50
3	1	LOW	64QAM	18.74	19.14	18.85	19.50
		MID	64QAM	18.74	19.36	18.74	19.50
		HIGH	64QAM	18.76	19.18	18.65	19.50
	8	LOW	64QAM	17.93	18.05	17.84	18.50
		MID	64QAM	17.86	17.85	17.97	18.50
		HIGH	64QAM	17.86	17.85	17.78	18.50
	15	LOW	64QAM	17.96	17.75	17.83	18.50

LTE B5-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	**20.97**	20.75	20.93	21.50
		MID	QPSK	20.93	20.70	20.86	21.50
		HIGH	QPSK	20.77	20.86	20.81	21.50
	12	LOW	QPSK	19.96	19.92	20.01	20.50
		MID	QPSK	19.96	19.72	19.95	20.50
		HIGH	QPSK	19.79	19.71	19.78	20.50
	25	LOW	QPSK	19.95	19.91	19.83	20.50
5	1	LOW	Q16	19.77	20.31	19.75	20.50
		MID	Q16	19.86	20.07	19.76	20.50
		HIGH	Q16	19.75	20.15	19.79	20.50
	12	LOW	Q16	18.93	18.91	18.94	19.50
		MID	Q16	18.85	19.08	18.94	19.50
		HIGH	Q16	18.88	18.86	18.77	19.50
	25	LOW	Q16	18.80	18.81	18.82	19.50
5	1	LOW	64QAM	18.71	19.16	18.72	19.50
		MID	64QAM	18.90	19.23	18.73	19.50
		HIGH	64QAM	18.55	19.23	18.82	19.50
	12	LOW	64QAM	17.97	17.85	18.01	18.50
		MID	64QAM	17.83	17.86	17.94	18.50
		HIGH	64QAM	17.68	17.98	18.03	18.50
	25	LOW	64QAM	17.78	17.84	17.74	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	20.75	**20.85**	20.83	21.50
		MID	QPSK	20.64	20.78	20.79	21.50
		HIGH	QPSK	20.84	20.79	20.75	21.50
	25	LOW	QPSK	19.86	19.89	19.86	20.50
		MID	QPSK	19.83	19.83	19.82	20.50
		HIGH	QPSK	19.84	19.84	19.75	20.50
	50	LOW	QPSK	19.85	19.89	19.85	20.50
10	1	LOW	Q16	19.79	20.19	19.85	20.50
		MID	Q16	19.76	20.21	19.82	20.50
		HIGH	Q16	19.69	20.16	19.78	20.50
	25	LOW	Q16	18.88	18.90	18.97	19.50
		MID	Q16	18.88	18.94	18.93	19.50
		HIGH	Q16	18.83	18.90	18.90	19.50
	50	LOW	Q16	18.82	18.89	18.87	19.50
10	1	LOW	64QAM	18.75	19.31	18.83	19.50
		MID	64QAM	18.67	19.35	18.95	19.50
		HIGH	64QAM	18.66	19.27	18.89	19.50
	25	LOW	64QAM	17.96	18.01	17.83	18.50
		MID	64QAM	17.95	17.98	17.87	18.50
		HIGH	64QAM	17.89	17.86	17.79	18.50
	50	LOW	64QAM	17.94	17.90	17.81	18.50

LTE B5-Level1&2&3&4 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.82	20.77	20.72	21.50
		MID	QPSK	20.79	20.76	20.75	21.50
		HIGH	QPSK	20.78	20.77	20.75	21.50
	3	LOW	QPSK	20.89	20.83	20.87	21.50
		MID	QPSK	**20.90**	20.83	**20.90**	21.50
		HIGH	QPSK	20.89	20.80	20.86	21.50
	6	LOW	QPSK	19.82	19.87	19.85	20.50
1.4	1	LOW	Q16	20.00	20.23	19.78	20.50
		MID	Q16	20.00	20.19	19.79	20.50
		HIGH	Q16	19.96	20.25	19.84	20.50
	3	LOW	Q16	19.94	20.07	19.96	20.50
		MID	Q16	19.92	20.02	19.95	20.50
		HIGH	Q16	19.94	20.02	19.95	20.50
	6	LOW	Q16	18.92	18.69	18.99	19.50
1.4	1	LOW	64QAM	19.07	19.15	18.66	19.50
		MID	64QAM	19.13	19.24	18.83	19.50
		HIGH	64QAM	18.85	19.10	18.95	19.50
	3	LOW	64QAM	18.95	18.98	19.00	19.50
		MID	64QAM	18.90	18.98	18.94	19.50
		HIGH	64QAM	18.99	19.15	18.84	19.50
	6	LOW	64QAM	18.03	17.79	17.87	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	**20.91**	20.66	20.75	21.50
		MID	QPSK	20.87	20.88	20.90	21.50
		HIGH	QPSK	20.76	20.85	20.62	21.50
	8	LOW	QPSK	19.78	19.93	19.85	20.50
		MID	QPSK	19.81	19.95	19.92	20.50
		HIGH	QPSK	19.99	19.94	19.88	20.50
	15	LOW	QPSK	19.99	19.84	19.89	20.50
3	1	LOW	Q16	19.90	20.24	19.84	20.50
		MID	Q16	19.68	20.30	19.77	20.50
		HIGH	Q16	19.74	20.08	19.88	20.50
	8	LOW	Q16	18.89	18.82	18.92	19.50
		MID	Q16	18.91	18.92	19.05	19.50
		HIGH	Q16	18.98	18.87	18.89	19.50
	15	LOW	Q16	18.72	19.03	18.75	19.50
3	1	LOW	64QAM	18.74	19.14	18.85	19.50
		MID	64QAM	18.74	19.36	18.74	19.50
		HIGH	64QAM	18.76	19.18	18.65	19.50
	8	LOW	64QAM	17.93	18.05	17.84	18.50
		MID	64QAM	17.86	17.85	17.97	18.50
		HIGH	64QAM	17.86	17.85	17.78	18.50
	15	LOW	64QAM	17.96	17.75	17.83	18.50

LTE B5-Level1&2&3&4 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	**20.97**	20.75	20.93	21.50
		MID	QPSK	20.93	20.70	20.86	21.50
		HIGH	QPSK	20.77	20.86	20.81	21.50
	12	LOW	QPSK	19.96	19.92	20.01	20.50
		MID	QPSK	19.96	19.72	19.95	20.50
		HIGH	QPSK	19.79	19.71	19.78	20.50
	25	LOW	QPSK	19.95	19.91	19.83	20.50
5	1	LOW	Q16	19.77	20.31	19.75	20.50
		MID	Q16	19.86	20.07	19.76	20.50
		HIGH	Q16	19.75	20.15	19.79	20.50
	12	LOW	Q16	18.93	18.91	18.94	19.50
		MID	Q16	18.85	19.08	18.94	19.50
		HIGH	Q16	18.88	18.86	18.77	19.50
	25	LOW	Q16	18.80	18.81	18.82	19.50
5	1	LOW	64QAM	18.71	19.16	18.72	19.50
		MID	64QAM	18.90	19.23	18.73	19.50
		HIGH	64QAM	18.55	19.23	18.82	19.50
	12	LOW	64QAM	17.97	17.85	18.01	18.50
		MID	64QAM	17.83	17.86	17.94	18.50
		HIGH	64QAM	17.68	17.98	18.03	18.50
	25	LOW	64QAM	17.78	17.84	17.74	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	20.75	**20.85**	20.83	21.50
		MID	QPSK	20.64	20.78	20.79	21.50
		HIGH	QPSK	20.84	20.79	20.75	21.50
	25	LOW	QPSK	19.86	19.89	19.86	20.50
		MID	QPSK	19.83	19.83	19.82	20.50
		HIGH	QPSK	19.84	19.84	19.75	20.50
	50	LOW	QPSK	19.85	19.89	19.85	20.50
10	1	LOW	Q16	19.79	20.19	19.85	20.50
		MID	Q16	19.76	20.21	19.82	20.50
		HIGH	Q16	19.69	20.16	19.78	20.50
	25	LOW	Q16	18.88	18.90	18.97	19.50
		MID	Q16	18.88	18.94	18.93	19.50
		HIGH	Q16	18.83	18.90	18.90	19.50
	50	LOW	Q16	18.82	18.89	18.87	19.50
10	1	LOW	64QAM	18.75	19.31	18.83	19.50
		MID	64QAM	18.67	19.35	18.95	19.50
		HIGH	64QAM	18.66	19.27	18.89	19.50
	25	LOW	64QAM	17.96	18.01	17.83	18.50
		MID	64QAM	17.95	17.98	17.87	18.50
		HIGH	64QAM	17.89	17.86	17.79	18.50
	50	LOW	64QAM	17.94	17.90	17.81	18.50

8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.46	22.40	22.36	23.00
		MID	QPSK	22.47	22.40	22.36	23.00
		HIGH	QPSK	22.43	22.42	22.35	23.00
	3	LOW	QPSK	22.57	22.49	22.43	23.00
		MID	QPSK	**22.59**	22.49	22.44	23.00
		HIGH	QPSK	22.57	22.46	22.45	23.00
	6	LOW	QPSK	21.53	21.52	21.51	22.00
1.4	1	LOW	Q16	21.54	21.60	21.80	22.00
		MID	Q16	21.52	21.62	21.81	22.00
		HIGH	Q16	21.52	21.63	21.82	22.00
	3	LOW	Q16	21.69	21.56	21.69	22.00
		MID	Q16	21.66	21.54	21.68	22.00
		HIGH	Q16	21.66	21.54	21.69	22.00
	6	LOW	Q16	20.65	20.65	20.34	21.00
1.4	1	LOW	64QAM	20.58	20.65	20.93	21.00
		MID	64QAM	20.47	20.61	20.67	21.00
		HIGH	64QAM	20.49	20.51	20.80	21.00
	3	LOW	64QAM	20.54	20.58	20.64	21.00
		MID	64QAM	20.78	20.45	20.71	21.00
		HIGH	64QAM	20.76	20.46	20.57	21.00
	6	LOW	64QAM	19.66	19.72	19.39	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.50	22.41	22.50	23.00
		MID	QPSK	**22.61**	22.60	22.59	23.00
		HIGH	QPSK	22.37	22.34	22.40	23.00
	8	LOW	QPSK	21.64	21.53	21.42	22.00
		MID	QPSK	21.64	21.59	21.46	22.00
		HIGH	QPSK	21.44	21.37	21.50	22.00
	15	LOW	QPSK	21.41	21.68	21.36	22.00
3	1	LOW	Q16	21.38	21.93	21.40	22.00
		MID	Q16	21.42	21.91	21.39	22.00
		HIGH	Q16	21.49	21.88	21.37	22.00
	8	LOW	Q16	20.60	20.64	20.66	21.00
		MID	Q16	20.60	20.60	20.46	21.00
		HIGH	Q16	20.33	20.71	20.53	21.00
	15	LOW	Q16	20.51	20.43	20.41	21.00
3	1	LOW	64QAM	20.46	20.81	20.38	21.00
		MID	64QAM	20.39	20.85	20.41	21.00
		HIGH	64QAM	20.47	20.94	20.37	21.00
	8	LOW	64QAM	19.53	19.51	19.71	20.00
		MID	64QAM	19.55	19.50	19.59	20.00
		HIGH	64QAM	19.50	19.45	19.53	20.00
	15	LOW	64QAM	19.53	19.46	19.40	20.00

LTE B5-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.49	**22.61**	22.38	23.00
		MID	QPSK	22.51	22.58	22.48	23.00
		HIGH	QPSK	**22.61**	22.41	22.29	23.00
	12	LOW	QPSK	21.55	21.52	21.64	22.00
		MID	QPSK	21.58	21.43	21.57	22.00
		HIGH	QPSK	21.43	21.62	21.59	22.00
	25	LOW	QPSK	21.45	21.73	21.43	22.00
5	1	LOW	Q16	21.31	21.96	21.37	22.00
		MID	Q16	21.55	21.80	21.52	22.00
		HIGH	Q16	21.40	21.64	21.34	22.00
	12	LOW	Q16	20.49	20.46	20.52	21.00
		MID	Q16	20.52	20.74	20.62	21.00
		HIGH	Q16	20.44	20.64	20.65	21.00
	25	LOW	Q16	20.61	20.44	20.57	21.00
5	1	LOW	64QAM	20.39	20.90	20.46	21.00
		MID	64QAM	20.51	20.73	20.49	21.00
		HIGH	64QAM	20.38	20.65	20.57	21.00
	12	LOW	64QAM	19.62	19.63	19.66	20.00
		MID	64QAM	19.58	19.52	19.53	20.00
		HIGH	64QAM	19.62	19.45	19.59	20.00
	25	LOW	64QAM	19.34	19.63	19.57	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	**22.56**	22.49	23.00
		MID	QPSK	22.36	22.51	22.46	23.00
		HIGH	QPSK	22.51	22.44	22.43	23.00
	25	LOW	QPSK	21.51	21.59	21.50	22.00
		MID	QPSK	21.51	21.54	21.48	22.00
		HIGH	QPSK	21.46	21.52	21.45	22.00
	50	LOW	QPSK	21.49	21.60	21.50	22.00
10	1	LOW	Q16	21.46	21.84	21.49	22.00
		MID	Q16	21.44	21.87	21.48	22.00
		HIGH	Q16	21.34	21.79	21.43	22.00
	25	LOW	Q16	20.56	20.61	20.62	21.00
		MID	Q16	20.55	20.63	20.58	21.00
		HIGH	Q16	20.48	20.58	20.56	21.00
	50	LOW	Q16	20.48	20.56	20.51	21.00
10	1	LOW	64QAM	20.47	20.71	20.58	21.00
		MID	64QAM	20.53	20.90	20.63	21.00
		HIGH	64QAM	20.23	20.78	20.54	21.00
	25	LOW	64QAM	19.53	19.56	19.72	20.00
		MID	64QAM	19.68	19.58	19.69	20.00
		HIGH	64QAM	19.50	19.66	19.41	20.00
	50	LOW	64QAM	19.52	19.63	19.59	20.00

LTE B5-Level1&2&3&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.46	22.40	22.36	23.00
		MID	QPSK	22.47	22.40	22.36	23.00
		HIGH	QPSK	22.43	22.42	22.35	23.00
	3	LOW	QPSK	22.57	22.49	22.43	23.00
		MID	QPSK	**22.59**	22.49	22.44	23.00
		HIGH	QPSK	22.57	22.46	22.45	23.00
	6	LOW	QPSK	21.53	21.52	21.51	22.00
1.4	1	LOW	Q16	21.54	21.60	21.80	22.00
		MID	Q16	21.52	21.62	21.81	22.00
		HIGH	Q16	21.52	21.63	21.82	22.00
	3	LOW	Q16	21.69	21.56	21.69	22.00
		MID	Q16	21.66	21.54	21.68	22.00
		HIGH	Q16	21.66	21.54	21.69	22.00
	6	LOW	Q16	20.65	20.65	20.34	21.00
1.4	1	LOW	64QAM	20.58	20.65	20.93	21.00
		MID	64QAM	20.47	20.61	20.67	21.00
		HIGH	64QAM	20.49	20.51	20.80	21.00
	3	LOW	64QAM	20.54	20.58	20.64	21.00
		MID	64QAM	20.78	20.45	20.71	21.00
		HIGH	64QAM	20.76	20.46	20.57	21.00
	6	LOW	64QAM	19.66	19.72	19.39	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.50	22.41	22.50	23.00
		MID	QPSK	**22.61**	22.60	22.59	23.00
		HIGH	QPSK	22.37	22.34	22.40	23.00
	8	LOW	QPSK	21.64	21.53	21.42	22.00
		MID	QPSK	21.64	21.59	21.46	22.00
		HIGH	QPSK	21.44	21.37	21.50	22.00
	15	LOW	QPSK	21.41	21.68	21.36	22.00
3	1	LOW	Q16	21.38	21.93	21.40	22.00
		MID	Q16	21.42	21.91	21.39	22.00
		HIGH	Q16	21.49	21.88	21.37	22.00
	8	LOW	Q16	20.60	20.64	20.66	21.00
		MID	Q16	20.60	20.60	20.46	21.00
		HIGH	Q16	20.33	20.71	20.53	21.00
	15	LOW	Q16	20.51	20.43	20.41	21.00
3	1	LOW	64QAM	20.46	20.81	20.38	21.00
		MID	64QAM	20.39	20.85	20.41	21.00
		HIGH	64QAM	20.47	20.94	20.37	21.00
	8	LOW	64QAM	19.53	19.51	19.71	20.00
		MID	64QAM	19.55	19.50	19.59	20.00
		HIGH	64QAM	19.50	19.45	19.53	20.00
	15	LOW	64QAM	19.53	19.46	19.40	20.00

LTE B5-Level1&2&3&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.49	**22.61**	22.38	23.00
		MID	QPSK	22.51	22.58	22.48	23.00
		HIGH	QPSK	**22.61**	22.41	22.29	23.00
	12	LOW	QPSK	21.55	21.52	21.64	22.00
		MID	QPSK	21.58	21.43	21.57	22.00
		HIGH	QPSK	21.43	21.62	21.59	22.00
	25	LOW	QPSK	21.45	21.73	21.43	22.00
5	1	LOW	Q16	21.31	21.96	21.37	22.00
		MID	Q16	21.55	21.80	21.52	22.00
		HIGH	Q16	21.40	21.64	21.34	22.00
	12	LOW	Q16	20.49	20.46	20.52	21.00
		MID	Q16	20.52	20.74	20.62	21.00
		HIGH	Q16	20.44	20.64	20.65	21.00
	25	LOW	Q16	20.61	20.44	20.57	21.00
5	1	LOW	64QAM	20.39	20.90	20.46	21.00
		MID	64QAM	20.51	20.73	20.49	21.00
		HIGH	64QAM	20.38	20.65	20.57	21.00
	12	LOW	64QAM	19.62	19.63	19.66	20.00
		MID	64QAM	19.58	19.52	19.53	20.00
		HIGH	64QAM	19.62	19.45	19.59	20.00
	25	LOW	64QAM	19.34	19.63	19.57	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	**22.56**	22.49	23.00
		MID	QPSK	22.36	22.51	22.46	23.00
		HIGH	QPSK	22.51	22.44	22.43	23.00
	25	LOW	QPSK	21.51	21.59	21.50	22.00
		MID	QPSK	21.51	21.54	21.48	22.00
		HIGH	QPSK	21.46	21.52	21.45	22.00
	50	LOW	QPSK	21.49	21.60	21.50	22.00
10	1	LOW	Q16	21.46	21.84	21.49	22.00
		MID	Q16	21.44	21.87	21.48	22.00
		HIGH	Q16	21.34	21.79	21.43	22.00
	25	LOW	Q16	20.56	20.61	20.62	21.00
		MID	Q16	20.55	20.63	20.58	21.00
		HIGH	Q16	20.48	20.58	20.56	21.00
	50	LOW	Q16	20.48	20.56	20.51	21.00
10	1	LOW	64QAM	20.47	20.71	20.58	21.00
		MID	64QAM	20.53	20.90	20.63	21.00
		HIGH	64QAM	20.23	20.78	20.54	21.00
	25	LOW	64QAM	19.53	19.56	19.72	20.00
		MID	64QAM	19.68	19.58	19.69	20.00
		HIGH	64QAM	19.50	19.66	19.41	20.00
	50	LOW	64QAM	19.52	19.63	19.59	20.00

8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.46	22.40	22.36	23.00
		MID	QPSK	22.47	22.40	22.36	23.00
		HIGH	QPSK	22.43	22.42	22.35	23.00
	3	LOW	QPSK	22.57	22.49	22.43	23.00
		MID	QPSK	**22.59**	22.49	22.44	23.00
		HIGH	QPSK	22.57	22.46	22.45	23.00
	6	LOW	QPSK	21.53	21.52	21.51	22.00
1.4	1	LOW	Q16	21.54	21.60	21.80	22.00
		MID	Q16	21.52	21.62	21.81	22.00
		HIGH	Q16	21.52	21.63	21.82	22.00
	3	LOW	Q16	21.69	21.56	21.69	22.00
		MID	Q16	21.66	21.54	21.68	22.00
		HIGH	Q16	21.66	21.54	21.69	22.00
	6	LOW	Q16	20.65	20.65	20.34	21.00
1.4	1	LOW	64QAM	20.58	20.65	20.93	21.00
		MID	64QAM	20.47	20.61	20.67	21.00
		HIGH	64QAM	20.49	20.51	20.80	21.00
	3	LOW	64QAM	20.54	20.58	20.64	21.00
		MID	64QAM	20.78	20.45	20.71	21.00
		HIGH	64QAM	20.76	20.46	20.57	21.00
	6	LOW	64QAM	19.66	19.72	19.39	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.50	22.41	22.50	23.00
		MID	QPSK	**22.61**	22.60	22.59	23.00
		HIGH	QPSK	22.37	22.34	22.40	23.00
	8	LOW	QPSK	21.64	21.53	21.42	22.00
		MID	QPSK	21.64	21.59	21.46	22.00
		HIGH	QPSK	21.44	21.37	21.50	22.00
	15	LOW	QPSK	21.41	21.68	21.36	22.00
3	1	LOW	Q16	21.38	21.93	21.40	22.00
		MID	Q16	21.42	21.91	21.39	22.00
		HIGH	Q16	21.49	21.88	21.37	22.00
	8	LOW	Q16	20.60	20.64	20.66	21.00
		MID	Q16	20.60	20.60	20.46	21.00
		HIGH	Q16	20.33	20.71	20.53	21.00
	15	LOW	Q16	20.51	20.43	20.41	21.00
3	1	LOW	64QAM	20.46	20.81	20.38	21.00
		MID	64QAM	20.39	20.85	20.41	21.00
		HIGH	64QAM	20.47	20.94	20.37	21.00
	8	LOW	64QAM	19.53	19.51	19.71	20.00
		MID	64QAM	19.55	19.50	19.59	20.00
		HIGH	64QAM	19.50	19.45	19.53	20.00
	15	LOW	64QAM	19.53	19.46	19.40	20.00

LTE B5-Full Power -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.49	**22.61**	22.38	23.00
		MID	QPSK	22.51	22.58	22.48	23.00
		HIGH	QPSK	**22.61**	22.41	22.29	23.00
	12	LOW	QPSK	21.55	21.52	21.64	22.00
		MID	QPSK	21.58	21.43	21.57	22.00
		HIGH	QPSK	21.43	21.62	21.59	22.00
	25	LOW	QPSK	21.45	21.73	21.43	22.00
5	1	LOW	Q16	21.31	21.96	21.37	22.00
		MID	Q16	21.55	21.80	21.52	22.00
		HIGH	Q16	21.40	21.64	21.34	22.00
	12	LOW	Q16	20.49	20.46	20.52	21.00
		MID	Q16	20.52	20.74	20.62	21.00
		HIGH	Q16	20.44	20.64	20.65	21.00
	25	LOW	Q16	20.61	20.44	20.57	21.00
5	1	LOW	64QAM	20.39	20.90	20.46	21.00
		MID	64QAM	20.51	20.73	20.49	21.00
		HIGH	64QAM	20.38	20.65	20.57	21.00
	12	LOW	64QAM	19.62	19.63	19.66	20.00
		MID	64QAM	19.58	19.52	19.53	20.00
		HIGH	64QAM	19.62	19.45	19.59	20.00
	25	LOW	64QAM	19.34	19.63	19.57	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	**22.56**	22.49	23.00
		MID	QPSK	22.36	22.51	22.46	23.00
		HIGH	QPSK	22.51	22.44	22.43	23.00
	25	LOW	QPSK	21.51	21.59	21.50	22.00
		MID	QPSK	21.51	21.54	21.48	22.00
		HIGH	QPSK	21.46	21.52	21.45	22.00
	50	LOW	QPSK	21.49	21.60	21.50	22.00
10	1	LOW	Q16	21.46	21.84	21.49	22.00
		MID	Q16	21.44	21.87	21.48	22.00
		HIGH	Q16	21.34	21.79	21.43	22.00
	25	LOW	Q16	20.56	20.61	20.62	21.00
		MID	Q16	20.55	20.63	20.58	21.00
		HIGH	Q16	20.48	20.58	20.56	21.00
	50	LOW	Q16	20.48	20.56	20.51	21.00
10	1	LOW	64QAM	20.47	20.71	20.58	21.00
		MID	64QAM	20.53	20.90	20.63	21.00
		HIGH	64QAM	20.23	20.78	20.54	21.00
	25	LOW	64QAM	19.53	19.56	19.72	20.00
		MID	64QAM	19.68	19.58	19.69	20.00
		HIGH	64QAM	19.50	19.66	19.41	20.00
	50	LOW	64QAM	19.52	19.63	19.59	20.00

LTE B5-Level1&2&3&4 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.46	22.40	22.36	23.00
		MID	QPSK	22.47	22.40	22.36	23.00
		HIGH	QPSK	22.43	22.42	22.35	23.00
	3	LOW	QPSK	22.57	22.49	22.43	23.00
		MID	QPSK	**22.59**	22.49	22.44	23.00
		HIGH	QPSK	22.57	22.46	22.45	23.00
	6	LOW	QPSK	21.53	21.52	21.51	22.00
1.4	1	LOW	Q16	21.54	21.60	21.80	22.00
		MID	Q16	21.52	21.62	21.81	22.00
		HIGH	Q16	21.52	21.63	21.82	22.00
	3	LOW	Q16	21.69	21.56	21.69	22.00
		MID	Q16	21.66	21.54	21.68	22.00
		HIGH	Q16	21.66	21.54	21.69	22.00
	6	LOW	Q16	20.65	20.65	20.34	21.00
1.4	1	LOW	64QAM	20.58	20.65	20.93	21.00
		MID	64QAM	20.47	20.61	20.67	21.00
		HIGH	64QAM	20.49	20.51	20.80	21.00
	3	LOW	64QAM	20.54	20.58	20.64	21.00
		MID	64QAM	20.78	20.45	20.71	21.00
		HIGH	64QAM	20.76	20.46	20.57	21.00
	6	LOW	64QAM	19.66	19.72	19.39	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.50	22.41	22.50	23.00
		MID	QPSK	**22.61**	22.60	22.59	23.00
		HIGH	QPSK	22.37	22.34	22.40	23.00
	8	LOW	QPSK	21.64	21.53	21.42	22.00
		MID	QPSK	21.64	21.59	21.46	22.00
		HIGH	QPSK	21.44	21.37	21.50	22.00
	15	LOW	QPSK	21.41	21.68	21.36	22.00
3	1	LOW	Q16	21.38	21.93	21.40	22.00
		MID	Q16	21.42	21.91	21.39	22.00
		HIGH	Q16	21.49	21.88	21.37	22.00
	8	LOW	Q16	20.60	20.64	20.66	21.00
		MID	Q16	20.60	20.60	20.46	21.00
		HIGH	Q16	20.33	20.71	20.53	21.00
	15	LOW	Q16	20.51	20.43	20.41	21.00
3	1	LOW	64QAM	20.46	20.81	20.38	21.00
		MID	64QAM	20.39	20.85	20.41	21.00
		HIGH	64QAM	20.47	20.94	20.37	21.00
	8	LOW	64QAM	19.53	19.51	19.71	20.00
		MID	64QAM	19.55	19.50	19.59	20.00
		HIGH	64QAM	19.50	19.45	19.53	20.00
	15	LOW	64QAM	19.53	19.46	19.40	20.00

LTE B5-Level1&2&3&4 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.49	**22.61**	22.38	23.00
		MID	QPSK	22.51	22.58	22.48	23.00
		HIGH	QPSK	**22.61**	22.41	22.29	23.00
	12	LOW	QPSK	21.55	21.52	21.64	22.00
		MID	QPSK	21.58	21.43	21.57	22.00
		HIGH	QPSK	21.43	21.62	21.59	22.00
	25	LOW	QPSK	21.45	21.73	21.43	22.00
5	1	LOW	Q16	21.31	21.96	21.37	22.00
		MID	Q16	21.55	21.80	21.52	22.00
		HIGH	Q16	21.40	21.64	21.34	22.00
	12	LOW	Q16	20.49	20.46	20.52	21.00
		MID	Q16	20.52	20.74	20.62	21.00
		HIGH	Q16	20.44	20.64	20.65	21.00
	25	LOW	Q16	20.61	20.44	20.57	21.00
5	1	LOW	64QAM	20.39	20.90	20.46	21.00
		MID	64QAM	20.51	20.73	20.49	21.00
		HIGH	64QAM	20.38	20.65	20.57	21.00
	12	LOW	64QAM	19.62	19.63	19.66	20.00
		MID	64QAM	19.58	19.52	19.53	20.00
		HIGH	64QAM	19.62	19.45	19.59	20.00
	25	LOW	64QAM	19.34	19.63	19.57	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	**22.56**	22.49	23.00
		MID	QPSK	22.36	22.51	22.46	23.00
		HIGH	QPSK	22.51	22.44	22.43	23.00
	25	LOW	QPSK	21.51	21.59	21.50	22.00
		MID	QPSK	21.51	21.54	21.48	22.00
		HIGH	QPSK	21.46	21.52	21.45	22.00
	50	LOW	QPSK	21.49	21.60	21.50	22.00
10	1	LOW	Q16	21.46	21.84	21.49	22.00
		MID	Q16	21.44	21.87	21.48	22.00
		HIGH	Q16	21.34	21.79	21.43	22.00
	25	LOW	Q16	20.56	20.61	20.62	21.00
		MID	Q16	20.55	20.63	20.58	21.00
		HIGH	Q16	20.48	20.58	20.56	21.00
	50	LOW	Q16	20.48	20.56	20.51	21.00
10	1	LOW	64QAM	20.47	20.71	20.58	21.00
		MID	64QAM	20.53	20.90	20.63	21.00
		HIGH	64QAM	20.23	20.78	20.54	21.00
	25	LOW	64QAM	19.53	19.56	19.72	20.00
		MID	64QAM	19.68	19.58	19.69	20.00
		HIGH	64QAM	19.50	19.66	19.41	20.00
	50	LOW	64QAM	19.52	19.63	19.59	20.00

8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.63	22.53	22.54	23.00
		MID	QPSK	22.52	22.46	22.54	23.00
		HIGH	QPSK	22.51	22.55	**22.65**	23.00
	12	LOW	QPSK	21.72	21.61	21.61	22.00
		MID	QPSK	21.67	21.58	21.56	22.00
		HIGH	QPSK	21.62	21.58	21.59	22.00
	25	LOW	QPSK	21.73	21.60	21.58	22.00
5	1	LOW	Q16	22.00	21.69	21.80	22.00
		MID	Q16	21.88	21.67	21.81	22.00
		HIGH	Q16	21.99	21.66	21.85	22.00
	12	LOW	Q16	20.85	20.63	20.63	21.00
		MID	Q16	20.83	20.61	20.63	21.00
		HIGH	Q16	20.73	20.61	20.61	21.00
	25	LOW	Q16	20.80	20.54	20.63	21.00
5	1	LOW	64QAM	20.97	20.82	20.91	21.00
		MID	64QAM	21.00	20.92	20.89	21.00
		HIGH	64QAM	20.96	20.87	20.83	21.00
	12	LOW	64QAM	19.66	19.50	19.49	20.00
		MID	64QAM	19.51	19.75	19.68	20.00
		HIGH	64QAM	19.48	19.54	19.34	20.00
	25	LOW	64QAM	19.45	19.45	19.36	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	**22.64**	22.33	22.44	23.00
		MID	QPSK	22.29	22.50	22.23	23.00
		HIGH	QPSK	22.38	22.27	22.28	23.00
	25	LOW	QPSK	21.54	21.52	21.64	22.00
		MID	QPSK	21.63	21.78	21.74	22.00
		HIGH	QPSK	21.69	21.64	21.39	22.00
	50	LOW	QPSK	21.48	21.67	21.40	22.00
10	1	LOW	Q16	21.89	21.95	21.97	22.00
		MID	Q16	21.81	21.94	21.98	22.00
		HIGH	Q16	21.91	21.96	21.82	22.00
	25	LOW	Q16	20.51	20.62	20.51	21.00
		MID	Q16	20.69	20.53	20.54	21.00
		HIGH	Q16	20.67	20.68	20.40	21.00
	50	LOW	Q16	20.47	20.64	20.45	21.00
10	1	LOW	64QAM	20.83	20.88	20.91	21.00
		MID	64QAM	20.82	20.83	20.86	21.00
		HIGH	64QAM	20.95	20.92	20.83	21.00
	25	LOW	64QAM	19.62	19.60	19.48	20.00
		MID	64QAM	19.66	19.53	19.46	20.00
		HIGH	64QAM	19.52	19.40	19.42	20.00
	50	LOW	64QAM	19.54	19.71	19.47	20.00

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LTE B7-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.38	**22.53**	22.30	23.00
		MID	QPSK	22.37	22.40	22.47	23.00
		HIGH	QPSK	22.27	22.27	22.40	23.00
	36	LOW	QPSK	21.54	21.48	21.50	22.00
		MID	QPSK	21.64	21.66	21.67	22.00
		HIGH	QPSK	21.69	21.65	21.53	22.00
	75	LOW	QPSK	21.45	21.51	21.64	22.00
15	1	LOW	Q16	21.99	21.88	21.89	22.00
		MID	Q16	21.83	21.88	22.00	22.00
		HIGH	Q16	21.87	21.86	21.94	22.00
	36	LOW	Q16	20.76	20.70	20.61	21.00
		MID	Q16	20.58	20.67	20.48	21.00
		HIGH	Q16	20.63	20.52	20.61	21.00
	75	LOW	Q16	20.61	20.52	20.63	21.00
15	1	LOW	64QAM	20.98	20.86	20.95	21.00
		MID	64QAM	20.86	20.95	20.83	21.00
		HIGH	64QAM	20.83	20.91	20.97	21.00
	36	LOW	64QAM	19.53	19.72	19.43	20.00
		MID	64QAM	19.63	19.71	19.40	20.00
		HIGH	64QAM	19.64	19.45	19.38	20.00
	75	LOW	64QAM	19.67	19.65	19.51	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.34	22.42	22.33	23.00
		MID	QPSK	22.42	**22.49**	22.38	23.00
		HIGH	QPSK	22.29	22.36	22.30	23.00
	50	LOW	QPSK	21.56	21.63	21.59	22.00
		MID	QPSK	21.62	21.64	21.60	22.00
		HIGH	QPSK	21.57	21.53	21.53	22.00
	100	LOW	QPSK	21.43	21.52	21.51	22.00
20	1	LOW	Q16	21.87	22.00	21.90	22.00
		MID	Q16	21.90	21.81	21.96	22.00
		HIGH	Q16	21.96	21.94	21.85	22.00
	50	LOW	Q16	20.63	20.57	20.58	21.00
		MID	Q16	20.59	20.64	20.55	21.00
		HIGH	Q16	20.56	20.55	20.46	21.00
	100	LOW	Q16	20.57	20.57	20.49	21.00
20	1	LOW	64QAM	20.94	20.86	20.89	21.00
		MID	64QAM	21.00	20.81	20.97	21.00
		HIGH	64QAM	20.98	20.85	20.88	21.00
	50	LOW	64QAM	19.58	19.42	19.53	20.00
		MID	64QAM	19.57	19.64	19.44	20.00
		HIGH	64QAM	19.71	19.53	19.55	20.00
	100	LOW	64QAM	19.43	19.45	19.58	20.00

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LTE B7-Level1&2&3&4 -Ant.1							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.63	22.53	22.54	23.00
		MID	QPSK	22.52	22.46	22.54	23.00
		HIGH	QPSK	22.51	22.55	**22.65**	23.00
	12	LOW	QPSK	21.72	21.61	21.61	22.00
		MID	QPSK	21.67	21.58	21.56	22.00
		HIGH	QPSK	21.62	21.58	21.59	22.00
	25	LOW	QPSK	21.73	21.60	21.58	22.00
5	1	LOW	Q16	22.00	21.69	21.80	22.00
		MID	Q16	21.88	21.67	21.81	22.00
		HIGH	Q16	21.99	21.66	21.85	22.00
	12	LOW	Q16	20.85	20.63	20.63	21.00
		MID	Q16	20.83	20.61	20.63	21.00
		HIGH	Q16	20.73	20.61	20.61	21.00
	25	LOW	Q16	20.80	20.54	20.63	21.00
5	1	LOW	64QAM	20.97	20.82	20.91	21.00
		MID	64QAM	21.00	20.92	20.89	21.00
		HIGH	64QAM	20.96	20.87	20.83	21.00
	12	LOW	64QAM	19.66	19.50	19.49	20.00
		MID	64QAM	19.51	19.75	19.68	20.00
		HIGH	64QAM	19.48	19.54	19.34	20.00
	25	LOW	64QAM	19.45	19.45	19.36	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	**22.64**	22.33	22.44	23.00
		MID	QPSK	22.29	22.50	22.23	23.00
		HIGH	QPSK	22.38	22.27	22.28	23.00
	25	LOW	QPSK	21.54	21.52	21.64	22.00
		MID	QPSK	21.63	21.78	21.74	22.00
		HIGH	QPSK	21.69	21.64	21.39	22.00
	50	LOW	QPSK	21.48	21.67	21.40	22.00
10	1	LOW	Q16	21.89	21.95	21.97	22.00
		MID	Q16	21.81	21.94	21.98	22.00
		HIGH	Q16	21.91	21.96	21.82	22.00
	25	LOW	Q16	20.51	20.62	20.51	21.00
		MID	Q16	20.69	20.53	20.54	21.00
		HIGH	Q16	20.67	20.68	20.40	21.00
	50	LOW	Q16	20.47	20.64	20.45	21.00
10	1	LOW	64QAM	20.83	20.88	20.91	21.00
		MID	64QAM	20.82	20.83	20.86	21.00
		HIGH	64QAM	20.95	20.92	20.83	21.00
	25	LOW	64QAM	19.62	19.60	19.48	20.00
		MID	64QAM	19.66	19.53	19.46	20.00
		HIGH	64QAM	19.52	19.40	19.42	20.00
	50	LOW	64QAM	19.54	19.71	19.47	20.00

LTE B7-Level1&2&3&4 -Ant.1							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.38	**22.53**	22.30	23.00
		MID	QPSK	22.37	22.40	22.47	23.00
		HIGH	QPSK	22.27	22.27	22.40	23.00
	36	LOW	QPSK	21.54	21.48	21.50	22.00
		MID	QPSK	21.64	21.66	21.67	22.00
		HIGH	QPSK	21.69	21.65	21.53	22.00
	75	LOW	QPSK	21.45	21.51	21.64	22.00
15	1	LOW	Q16	21.99	21.88	21.89	22.00
		MID	Q16	21.83	21.88	22.00	22.00
		HIGH	Q16	21.87	21.86	21.94	22.00
	36	LOW	Q16	20.76	20.70	20.61	21.00
		MID	Q16	20.58	20.67	20.48	21.00
		HIGH	Q16	20.63	20.52	20.61	21.00
	75	LOW	Q16	20.61	20.52	20.63	21.00
15	1	LOW	64QAM	20.98	20.86	20.95	21.00
		MID	64QAM	20.86	20.95	20.83	21.00
		HIGH	64QAM	20.83	20.91	20.97	21.00
	36	LOW	64QAM	19.53	19.72	19.43	20.00
		MID	64QAM	19.63	19.71	19.40	20.00
		HIGH	64QAM	19.64	19.45	19.38	20.00
	75	LOW	64QAM	19.67	19.65	19.51	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.34	22.42	22.33	23.00
		MID	QPSK	22.42	**22.49**	22.38	23.00
		HIGH	QPSK	22.29	22.36	22.30	23.00
	50	LOW	QPSK	21.56	21.63	21.59	22.00
		MID	QPSK	21.62	21.64	21.60	22.00
		HIGH	QPSK	21.57	21.53	21.53	22.00
	100	LOW	QPSK	21.43	21.52	21.51	22.00
20	1	LOW	Q16	21.87	22.00	21.90	22.00
		MID	Q16	21.90	21.81	21.96	22.00
		HIGH	Q16	21.96	21.94	21.85	22.00
	50	LOW	Q16	20.63	20.57	20.58	21.00
		MID	Q16	20.59	20.64	20.55	21.00
		HIGH	Q16	20.56	20.55	20.46	21.00
	100	LOW	Q16	20.57	20.57	20.49	21.00
20	1	LOW	64QAM	20.94	20.86	20.89	21.00
		MID	64QAM	21.00	20.81	20.97	21.00
		HIGH	64QAM	20.98	20.85	20.88	21.00
	50	LOW	64QAM	19.58	19.42	19.53	20.00
		MID	64QAM	19.57	19.64	19.44	20.00
		HIGH	64QAM	19.71	19.53	19.55	20.00
	100	LOW	64QAM	19.43	19.45	19.58	20.00

8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.1(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.63	22.53	22.54	23.00
		MID	QPSK	22.52	22.46	22.54	23.00
		HIGH	QPSK	22.51	22.55	**22.65**	23.00
	12	LOW	QPSK	21.72	21.61	21.61	22.00
		MID	QPSK	21.67	21.58	21.56	22.00
		HIGH	QPSK	21.62	21.58	21.59	22.00
	25	LOW	QPSK	21.73	21.60	21.58	22.00
5	1	LOW	Q16	22.00	21.69	21.80	22.00
		MID	Q16	21.88	21.67	21.81	22.00
		HIGH	Q16	21.99	21.66	21.85	22.00
	12	LOW	Q16	20.85	20.63	20.63	21.00
		MID	Q16	20.83	20.61	20.63	21.00
		HIGH	Q16	20.73	20.61	20.61	21.00
	25	LOW	Q16	20.80	20.54	20.63	21.00
5	1	LOW	64QAM	20.97	20.82	20.91	21.00
		MID	64QAM	21.00	20.92	20.89	21.00
		HIGH	64QAM	20.96	20.87	20.83	21.00
	12	LOW	64QAM	19.66	19.50	19.49	20.00
		MID	64QAM	19.51	19.75	19.68	20.00
		HIGH	64QAM	19.48	19.54	19.34	20.00
	25	LOW	64QAM	19.45	19.45	19.36	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	**22.64**	22.33	22.44	23.00
		MID	QPSK	22.29	22.50	22.23	23.00
		HIGH	QPSK	22.38	22.27	22.28	23.00
	25	LOW	QPSK	21.54	21.52	21.64	22.00
		MID	QPSK	21.63	21.78	21.74	22.00
		HIGH	QPSK	21.69	21.64	21.39	22.00
	50	LOW	QPSK	21.48	21.67	21.40	22.00
10	1	LOW	Q16	21.89	21.95	21.97	22.00
		MID	Q16	21.81	21.94	21.98	22.00
		HIGH	Q16	21.91	21.96	21.82	22.00
	25	LOW	Q16	20.51	20.62	20.51	21.00
		MID	Q16	20.69	20.53	20.54	21.00
		HIGH	Q16	20.67	20.68	20.40	21.00
	50	LOW	Q16	20.47	20.64	20.45	21.00
10	1	LOW	64QAM	20.83	20.88	20.91	21.00
		MID	64QAM	20.82	20.83	20.86	21.00
		HIGH	64QAM	20.95	20.92	20.83	21.00
	25	LOW	64QAM	19.62	19.60	19.48	20.00
		MID	64QAM	19.66	19.53	19.46	20.00
		HIGH	64QAM	19.52	19.40	19.42	20.00
	50	LOW	64QAM	19.54	19.71	19.47	20.00

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LTE B7-Full Power -Ant.1(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.38	**22.53**	22.30	23.00
		MID	QPSK	22.37	22.40	22.47	23.00
		HIGH	QPSK	22.27	22.27	22.40	23.00
	36	LOW	QPSK	21.54	21.48	21.50	22.00
		MID	QPSK	21.64	21.66	21.67	22.00
		HIGH	QPSK	21.69	21.65	21.53	22.00
	75	LOW	QPSK	21.45	21.51	21.64	22.00
15	1	LOW	Q16	21.99	21.88	21.89	22.00
		MID	Q16	21.83	21.88	22.00	22.00
		HIGH	Q16	21.87	21.86	21.94	22.00
	36	LOW	Q16	20.76	20.70	20.61	21.00
		MID	Q16	20.58	20.67	20.48	21.00
		HIGH	Q16	20.63	20.52	20.61	21.00
	75	LOW	Q16	20.61	20.52	20.63	21.00
15	1	LOW	64QAM	20.98	20.86	20.95	21.00
		MID	64QAM	20.86	20.95	20.83	21.00
		HIGH	64QAM	20.83	20.91	20.97	21.00
	36	LOW	64QAM	19.53	19.72	19.43	20.00
		MID	64QAM	19.63	19.71	19.40	20.00
		HIGH	64QAM	19.64	19.45	19.38	20.00
	75	LOW	64QAM	19.67	19.65	19.51	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.34	22.42	22.33	23.00
		MID	QPSK	22.42	**22.49**	22.38	23.00
		HIGH	QPSK	22.29	22.36	22.30	23.00
	50	LOW	QPSK	21.56	21.63	21.59	22.00
		MID	QPSK	21.62	21.64	21.60	22.00
		HIGH	QPSK	21.57	21.53	21.53	22.00
	100	LOW	QPSK	21.43	21.52	21.51	22.00
20	1	LOW	Q16	21.87	22.00	21.90	22.00
		MID	Q16	21.90	21.81	21.96	22.00
		HIGH	Q16	21.96	21.94	21.85	22.00
	50	LOW	Q16	20.63	20.57	20.58	21.00
		MID	Q16	20.59	20.64	20.55	21.00
		HIGH	Q16	20.56	20.55	20.46	21.00
	100	LOW	Q16	20.57	20.57	20.49	21.00
20	1	LOW	64QAM	20.94	20.86	20.89	21.00
		MID	64QAM	21.00	20.81	20.97	21.00
		HIGH	64QAM	20.98	20.85	20.88	21.00
	50	LOW	64QAM	19.58	19.42	19.53	20.00
		MID	64QAM	19.57	19.64	19.44	20.00
		HIGH	64QAM	19.71	19.53	19.55	20.00
	100	LOW	64QAM	19.43	19.45	19.58	20.00

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LTE B7-Level1&2&3&4 -Ant.1(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.63	22.53	22.54	23.00
		MID	QPSK	22.52	22.46	22.54	23.00
		HIGH	QPSK	22.51	22.55	**22.65**	23.00
	12	LOW	QPSK	21.72	21.61	21.61	22.00
		MID	QPSK	21.67	21.58	21.56	22.00
		HIGH	QPSK	21.62	21.58	21.59	22.00
	25	LOW	QPSK	21.73	21.60	21.58	22.00
5	1	LOW	Q16	22.00	21.69	21.80	22.00
		MID	Q16	21.88	21.67	21.81	22.00
		HIGH	Q16	21.99	21.66	21.85	22.00
	12	LOW	Q16	20.85	20.63	20.63	21.00
		MID	Q16	20.83	20.61	20.63	21.00
		HIGH	Q16	20.73	20.61	20.61	21.00
	25	LOW	Q16	20.80	20.54	20.63	21.00
5	1	LOW	64QAM	20.97	20.82	20.91	21.00
		MID	64QAM	21.00	20.92	20.89	21.00
		HIGH	64QAM	20.96	20.87	20.83	21.00
	12	LOW	64QAM	19.66	19.50	19.49	20.00
		MID	64QAM	19.51	19.75	19.68	20.00
		HIGH	64QAM	19.48	19.54	19.34	20.00
	25	LOW	64QAM	19.45	19.45	19.36	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	**22.64**	22.33	22.44	23.00
		MID	QPSK	22.29	22.50	22.23	23.00
		HIGH	QPSK	22.38	22.27	22.28	23.00
	25	LOW	QPSK	21.54	21.52	21.64	22.00
		MID	QPSK	21.63	21.78	21.74	22.00
		HIGH	QPSK	21.69	21.64	21.39	22.00
	50	LOW	QPSK	21.48	21.67	21.40	22.00
10	1	LOW	Q16	21.89	21.95	21.97	22.00
		MID	Q16	21.81	21.94	21.98	22.00
		HIGH	Q16	21.91	21.96	21.82	22.00
	25	LOW	Q16	20.51	20.62	20.51	21.00
		MID	Q16	20.69	20.53	20.54	21.00
		HIGH	Q16	20.67	20.68	20.40	21.00
	50	LOW	Q16	20.47	20.64	20.45	21.00
10	1	LOW	64QAM	20.83	20.88	20.91	21.00
		MID	64QAM	20.82	20.83	20.86	21.00
		HIGH	64QAM	20.95	20.92	20.83	21.00
	25	LOW	64QAM	19.62	19.60	19.48	20.00
		MID	64QAM	19.66	19.53	19.46	20.00
		HIGH	64QAM	19.52	19.40	19.42	20.00
	50	LOW	64QAM	19.54	19.71	19.47	20.00

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LTE B7-Level1&2&3&4 -Ant.1(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.38	**22.53**	22.30	23.00
		MID	QPSK	22.37	22.40	22.47	23.00
		HIGH	QPSK	22.27	22.27	22.40	23.00
	36	LOW	QPSK	21.54	21.48	21.50	22.00
		MID	QPSK	21.64	21.66	21.67	22.00
		HIGH	QPSK	21.69	21.65	21.53	22.00
	75	LOW	QPSK	21.45	21.51	21.64	22.00
15	1	LOW	Q16	21.99	21.88	21.89	22.00
		MID	Q16	21.83	21.88	22.00	22.00
		HIGH	Q16	21.87	21.86	21.94	22.00
	36	LOW	Q16	20.76	20.70	20.61	21.00
		MID	Q16	20.58	20.67	20.48	21.00
		HIGH	Q16	20.63	20.52	20.61	21.00
	75	LOW	Q16	20.61	20.52	20.63	21.00
15	1	LOW	64QAM	20.98	20.86	20.95	21.00
		MID	64QAM	20.86	20.95	20.83	21.00
		HIGH	64QAM	20.83	20.91	20.97	21.00
	36	LOW	64QAM	19.53	19.72	19.43	20.00
		MID	64QAM	19.63	19.71	19.40	20.00
		HIGH	64QAM	19.64	19.45	19.38	20.00
	75	LOW	64QAM	19.67	19.65	19.51	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.34	22.42	22.33	23.00
		MID	QPSK	22.42	**22.49**	22.38	23.00
		HIGH	QPSK	22.29	22.36	22.30	23.00
	50	LOW	QPSK	21.56	21.63	21.59	22.00
		MID	QPSK	21.62	21.64	21.60	22.00
		HIGH	QPSK	21.57	21.53	21.53	22.00
	100	LOW	QPSK	21.43	21.52	21.51	22.00
20	1	LOW	Q16	21.87	22.00	21.90	22.00
		MID	Q16	21.90	21.81	21.96	22.00
		HIGH	Q16	21.96	21.94	21.85	22.00
	50	LOW	Q16	20.63	20.57	20.58	21.00
		MID	Q16	20.59	20.64	20.55	21.00
		HIGH	Q16	20.56	20.55	20.46	21.00
	100	LOW	Q16	20.57	20.57	20.49	21.00
20	1	LOW	64QAM	20.94	20.86	20.89	21.00
		MID	64QAM	21.00	20.81	20.97	21.00
		HIGH	64QAM	20.98	20.85	20.88	21.00
	50	LOW	64QAM	19.58	19.42	19.53	20.00
		MID	64QAM	19.57	19.64	19.44	20.00
		HIGH	64QAM	19.71	19.53	19.55	20.00
	100	LOW	64QAM	19.43	19.45	19.58	20.00

8.3.5 LTE Band12 Output Power

LTE B12-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.53	21.63	21.49	22.50
		MID	QPSK	21.56	21.62	21.50	22.50
		HIGH	QPSK	21.56	21.60	21.45	22.50
	3	LOW	QPSK	21.64	21.67	21.61	22.50
		MID	QPSK	21.66	**21.70**	21.68	22.50
		HIGH	QPSK	21.62	21.68	21.59	22.50
	6	LOW	QPSK	20.68	20.75	20.58	21.50
1.4	1	LOW	Q16	20.73	21.10	20.52	21.50
		MID	Q16	20.75	21.08	20.51	21.50
		HIGH	Q16	20.75	21.06	20.48	21.50
	3	LOW	Q16	20.70	20.95	20.68	21.50
		MID	Q16	20.69	20.90	20.67	21.50
		HIGH	Q16	20.66	20.94	20.63	21.50
	6	LOW	Q16	19.79	19.63	19.73	20.50
1.4	1	LOW	64QAM	19.79	20.16	19.63	20.50
		MID	64QAM	19.69	20.09	19.53	20.50
		HIGH	64QAM	19.71	19.98	19.36	20.50
	3	LOW	64QAM	19.75	19.81	19.69	20.50
		MID	64QAM	19.55	19.77	19.63	20.50
		HIGH	64QAM	19.59	19.91	19.64	20.50
	6	LOW	64QAM	18.82	18.59	18.82	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	21.87	21.58	21.72	22.50
		MID	QPSK	21.81	21.79	21.86	22.50
		HIGH	QPSK	**21.89**	21.52	21.40	22.50
	8	LOW	QPSK	20.63	20.64	20.76	21.50
		MID	QPSK	20.75	20.80	20.67	21.50
		HIGH	QPSK	20.89	20.66	20.63	21.50
	15	LOW	QPSK	20.79	20.92	20.71	21.50
3	1	LOW	Q16	20.66	21.11	20.61	21.50
		MID	Q16	20.71	21.22	20.64	21.50
		HIGH	Q16	20.51	20.94	20.43	21.50
	8	LOW	Q16	19.63	19.80	19.90	20.50
		MID	Q16	19.87	19.66	19.69	20.50
		HIGH	Q16	19.77	19.93	19.76	20.50
	15	LOW	Q16	19.85	19.72	19.64	20.50
3	1	LOW	64QAM	19.58	19.97	19.50	20.50
		MID	64QAM	19.66	20.19	19.57	20.50
		HIGH	64QAM	19.61	20.12	19.42	20.50
	8	LOW	64QAM	18.63	18.81	18.73	19.50
		MID	64QAM	18.81	18.74	18.90	19.50
		HIGH	64QAM	18.82	18.90	18.57	19.50
	15	LOW	64QAM	18.56	18.81	18.78	19.50

LTE B12-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	21.75	21.71	21.69	22.50
		MID	QPSK	21.80	21.74	**21.86**	22.50
		HIGH	QPSK	**21.86**	21.61	21.60	22.50
	12	LOW	QPSK	20.75	20.85	20.63	21.50
		MID	QPSK	20.77	20.67	20.53	21.50
		HIGH	QPSK	20.63	20.87	20.61	21.50
	25	LOW	QPSK	20.80	20.85	20.70	21.50
5	1	LOW	Q16	20.52	20.89	20.73	21.50
		MID	Q16	20.69	20.96	20.53	21.50
		HIGH	Q16	20.55	21.08	20.47	21.50
	12	LOW	Q16	19.66	19.66	19.69	20.50
		MID	Q16	19.61	19.84	19.83	20.50
		HIGH	Q16	19.80	19.78	19.54	20.50
	25	LOW	Q16	19.69	19.93	19.79	20.50
5	1	LOW	64QAM	19.61	20.09	19.75	20.50
		MID	64QAM	19.57	19.96	19.53	20.50
		HIGH	64QAM	19.55	19.93	19.41	20.50
	12	LOW	64QAM	18.64	18.82	18.60	19.50
		MID	64QAM	18.74	18.76	18.85	19.50
		HIGH	64QAM	18.65	18.94	18.81	19.50
	25	LOW	64QAM	18.62	18.75	18.50	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	21.61	21.64	21.66	22.50
		MID	QPSK	21.53	**21.72**	21.62	22.50
		HIGH	QPSK	21.34	21.58	21.50	22.50
	25	LOW	QPSK	20.67	20.73	20.62	21.50
		MID	QPSK	20.69	20.69	20.68	21.50
		HIGH	QPSK	20.75	20.78	20.60	21.50
	50	LOW	QPSK	20.72	20.81	20.65	21.50
10	1	LOW	Q16	20.56	21.02	20.62	21.50
		MID	Q16	20.59	21.08	20.66	21.50
		HIGH	Q16	20.56	21.01	20.47	21.50
	25	LOW	Q16	19.70	19.80	19.75	20.50
		MID	Q16	19.72	19.79	19.80	20.50
		HIGH	Q16	19.77	19.87	19.68	20.50
	50	LOW	Q16	19.70	19.83	19.64	20.50
10	1	LOW	64QAM	19.67	20.14	19.75	20.50
		MID	64QAM	19.45	19.98	19.53	20.50
		HIGH	64QAM	19.51	19.88	19.39	20.50
	25	LOW	64QAM	18.70	18.77	18.86	19.50
		MID	64QAM	18.72	18.85	18.70	19.50
		HIGH	64QAM	18.64	18.76	18.80	19.50
	50	LOW	64QAM	18.75	18.69	18.60	19.50

LTE B12-Level1&2&3&4 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.53	21.63	21.49	22.50
		MID	QPSK	21.56	21.62	21.50	22.50
		HIGH	QPSK	21.56	21.60	21.45	22.50
	3	LOW	QPSK	21.64	21.67	21.61	22.50
		MID	QPSK	21.66	**21.70**	21.68	22.50
		HIGH	QPSK	21.62	21.68	21.59	22.50
	6	LOW	QPSK	20.68	20.75	20.58	21.50
1.4	1	LOW	Q16	20.73	21.10	20.52	21.50
		MID	Q16	20.75	21.08	20.51	21.50
		HIGH	Q16	20.75	21.06	20.48	21.50
	3	LOW	Q16	20.70	20.95	20.68	21.50
		MID	Q16	20.69	20.90	20.67	21.50
		HIGH	Q16	20.66	20.94	20.63	21.50
	6	LOW	Q16	19.79	19.63	19.73	20.50
1.4	1	LOW	64QAM	19.79	20.16	19.63	20.50
		MID	64QAM	19.69	20.09	19.53	20.50
		HIGH	64QAM	19.71	19.98	19.36	20.50
	3	LOW	64QAM	19.75	19.81	19.69	20.50
		MID	64QAM	19.55	19.77	19.63	20.50
		HIGH	64QAM	19.59	19.91	19.64	20.50
	6	LOW	64QAM	18.82	18.59	18.82	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	21.87	21.58	21.72	22.50
		MID	QPSK	21.81	21.79	21.86	22.50
		HIGH	QPSK	**21.89**	21.52	21.40	22.50
	8	LOW	QPSK	20.63	20.64	20.76	21.50
		MID	QPSK	20.75	20.80	20.67	21.50
		HIGH	QPSK	20.89	20.66	20.63	21.50
	15	LOW	QPSK	20.79	20.92	20.71	21.50
3	1	LOW	Q16	20.66	21.11	20.61	21.50
		MID	Q16	20.71	21.22	20.64	21.50
		HIGH	Q16	20.51	20.94	20.43	21.50
	8	LOW	Q16	19.63	19.80	19.90	20.50
		MID	Q16	19.87	19.66	19.69	20.50
		HIGH	Q16	19.77	19.93	19.76	20.50
	15	LOW	Q16	19.85	19.72	19.64	20.50
3	1	LOW	64QAM	19.58	19.97	19.50	20.50
		MID	64QAM	19.66	20.19	19.57	20.50
		HIGH	64QAM	19.61	20.12	19.42	20.50
	8	LOW	64QAM	18.63	18.81	18.73	19.50
		MID	64QAM	18.81	18.74	18.90	19.50
		HIGH	64QAM	18.82	18.90	18.57	19.50
	15	LOW	64QAM	18.56	18.81	18.78	19.50

LTE B12-Level1&2&3&4 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	21.75	21.71	21.69	22.50
		MID	QPSK	21.80	21.74	**21.86**	22.50
		HIGH	QPSK	**21.86**	21.61	21.60	22.50
	12	LOW	QPSK	20.75	20.85	20.63	21.50
		MID	QPSK	20.77	20.67	20.53	21.50
		HIGH	QPSK	20.63	20.87	20.61	21.50
	25	LOW	QPSK	20.80	20.85	20.70	21.50
5	1	LOW	Q16	20.52	20.89	20.73	21.50
		MID	Q16	20.69	20.96	20.53	21.50
		HIGH	Q16	20.55	21.08	20.47	21.50
	12	LOW	Q16	19.66	19.66	19.69	20.50
		MID	Q16	19.61	19.84	19.83	20.50
		HIGH	Q16	19.80	19.78	19.54	20.50
	25	LOW	Q16	19.69	19.93	19.79	20.50
5	1	LOW	64QAM	19.61	20.09	19.75	20.50
		MID	64QAM	19.57	19.96	19.53	20.50
		HIGH	64QAM	19.55	19.93	19.41	20.50
	12	LOW	64QAM	18.64	18.82	18.60	19.50
		MID	64QAM	18.74	18.76	18.85	19.50
		HIGH	64QAM	18.65	18.94	18.81	19.50
	25	LOW	64QAM	18.62	18.75	18.50	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	21.61	21.64	21.66	22.50
		MID	QPSK	21.53	**21.72**	21.62	22.50
		HIGH	QPSK	21.34	21.58	21.50	22.50
	25	LOW	QPSK	20.67	20.73	20.62	21.50
		MID	QPSK	20.69	20.69	20.68	21.50
		HIGH	QPSK	20.75	20.78	20.60	21.50
	50	LOW	QPSK	20.72	20.81	20.65	21.50
10	1	LOW	Q16	20.56	21.02	20.62	21.50
		MID	Q16	20.59	21.08	20.66	21.50
		HIGH	Q16	20.56	21.01	20.47	21.50
	25	LOW	Q16	19.70	19.80	19.75	20.50
		MID	Q16	19.72	19.79	19.80	20.50
		HIGH	Q16	19.77	19.87	19.68	20.50
	50	LOW	Q16	19.70	19.83	19.64	20.50
10	1	LOW	64QAM	19.67	20.14	19.75	20.50
		MID	64QAM	19.45	19.98	19.53	20.50
		HIGH	64QAM	19.51	19.88	19.39	20.50
	25	LOW	64QAM	18.70	18.77	18.86	19.50
		MID	64QAM	18.72	18.85	18.70	19.50
		HIGH	64QAM	18.64	18.76	18.80	19.50
	50	LOW	64QAM	18.75	18.69	18.60	19.50

8.3.5 LTE Band12 Output Power

LTE B12-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.87	21.87	21.81	22.50
		MID	QPSK	21.87	21.88	21.79	22.50
		HIGH	QPSK	21.85	21.83	21.74	22.50
	3	LOW	QPSK	**21.95**	21.90	21.81	22.50
		MID	QPSK	**21.95**	21.90	21.88	22.50
		HIGH	QPSK	21.92	21.91	21.83	22.50
	6	LOW	QPSK	20.96	20.97	20.81	21.50
1.4	1	LOW	Q16	21.07	21.34	20.76	21.50
		MID	Q16	21.06	21.31	20.79	21.50
		HIGH	Q16	21.04	21.31	20.80	21.50
	3	LOW	Q16	20.98	21.13	20.91	21.50
		MID	Q16	20.97	21.09	20.95	21.50
		HIGH	Q16	20.99	21.11	20.91	21.50
	6	LOW	Q16	20.08	19.81	19.95	20.50
1.4	1	LOW	64QAM	20.15	20.21	19.77	20.50
		MID	64QAM	19.94	20.34	19.73	20.50
		HIGH	64QAM	19.98	20.16	19.93	20.50
	3	LOW	64QAM	19.90	20.28	19.81	20.50
		MID	64QAM	19.95	20.17	19.89	20.50
		HIGH	64QAM	19.92	20.05	19.90	20.50
	6	LOW	64QAM	19.23	18.90	19.09	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	22.03	21.97	21.87	22.50
		MID	QPSK	**22.05**	21.89	21.81	22.50
		HIGH	QPSK	21.95	21.66	21.81	22.50
	8	LOW	QPSK	20.82	20.86	20.97	21.50
		MID	QPSK	21.02	21.00	20.75	21.50
		HIGH	QPSK	21.07	21.02	20.99	21.50
	15	LOW	QPSK	20.74	20.98	20.79	21.50
3	1	LOW	Q16	20.70	21.23	20.82	21.50
		MID	Q16	20.77	21.30	20.72	21.50
		HIGH	Q16	20.86	21.04	20.89	21.50
	8	LOW	Q16	19.84	19.88	19.94	20.50
		MID	Q16	19.91	20.05	19.90	20.50
		HIGH	Q16	19.88	19.86	19.91	20.50
	15	LOW	Q16	19.97	20.09	20.02	20.50
3	1	LOW	64QAM	19.93	20.22	20.02	20.50
		MID	64QAM	19.74	20.28	19.85	20.50
		HIGH	64QAM	19.73	20.26	19.75	20.50
	8	LOW	64QAM	18.81	19.06	18.93	19.50
		MID	64QAM	18.98	18.92	18.93	19.50
		HIGH	64QAM	18.84	18.85	19.04	19.50
	15	LOW	64QAM	18.94	19.04	18.94	19.50

LTE B12-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	21.95	**22.08**	21.98	22.50
		MID	QPSK	22.02	21.99	21.95	22.50
		HIGH	QPSK	21.95	21.71	21.86	22.50
	12	LOW	QPSK	20.90	21.02	20.78	21.50
		MID	QPSK	20.94	20.92	21.03	21.50
		HIGH	QPSK	21.07	20.80	20.87	21.50
	25	LOW	QPSK	20.89	21.04	20.81	21.50
5	1	LOW	Q16	20.90	21.40	20.83	21.50
		MID	Q16	20.82	21.47	20.80	21.50
		HIGH	Q16	20.76	21.29	20.80	21.50
	12	LOW	Q16	19.72	20.07	20.05	20.50
		MID	Q16	19.79	19.92	20.00	20.50
		HIGH	Q16	19.91	19.87	20.09	20.50
	25	LOW	Q16	20.00	19.96	19.96	20.50
5	1	LOW	64QAM	19.76	20.18	19.78	20.50
		MID	64QAM	19.83	20.27	19.97	20.50
		HIGH	64QAM	19.66	20.23	19.79	20.50
	12	LOW	64QAM	18.88	18.99	19.13	19.50
		MID	64QAM	18.80	18.97	19.12	19.50
		HIGH	64QAM	19.08	19.08	18.92	19.50
	25	LOW	64QAM	18.85	19.05	18.99	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	21.83	21.93	21.89	22.50
		MID	QPSK	21.94	**21.95**	21.89	22.50
		HIGH	QPSK	21.90	21.81	21.83	22.50
	25	LOW	QPSK	20.83	20.94	20.91	21.50
		MID	QPSK	20.90	20.91	20.90	21.50
		HIGH	QPSK	20.92	20.92	20.86	21.50
	50	LOW	QPSK	20.88	20.96	20.94	21.50
10	1	LOW	Q16	20.85	21.28	20.89	21.50
		MID	Q16	20.83	21.32	20.83	21.50
		HIGH	Q16	20.77	21.18	20.76	21.50
	25	LOW	Q16	19.87	19.98	19.99	20.50
		MID	Q16	19.93	19.94	20.01	20.50
		HIGH	Q16	19.93	19.97	19.97	20.50
	50	LOW	Q16	19.87	19.98	19.95	20.50
10	1	LOW	64QAM	19.85	20.26	19.97	20.50
		MID	64QAM	19.90	20.36	19.76	20.50
		HIGH	64QAM	19.83	20.22	19.90	20.50
	25	LOW	64QAM	18.87	18.90	18.89	19.50
		MID	64QAM	18.97	19.04	19.03	19.50
		HIGH	64QAM	18.93	18.85	18.86	19.50
	50	LOW	64QAM	18.82	19.13	18.86	19.50

LTE B12-Level1&2&3&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.87	21.87	21.81	22.50
		MID	QPSK	21.87	21.88	21.79	22.50
		HIGH	QPSK	21.85	21.83	21.74	22.50
	3	LOW	QPSK	**21.95**	21.90	21.81	22.50
		MID	QPSK	**21.95**	21.90	21.88	22.50
		HIGH	QPSK	21.92	21.91	21.83	22.50
	6	LOW	QPSK	20.96	20.97	20.81	21.50
1.4	1	LOW	Q16	21.07	21.34	20.76	21.50
		MID	Q16	21.06	21.31	20.79	21.50
		HIGH	Q16	21.04	21.31	20.80	21.50
	3	LOW	Q16	20.98	21.13	20.91	21.50
		MID	Q16	20.97	21.09	20.95	21.50
		HIGH	Q16	20.99	21.11	20.91	21.50
	6	LOW	Q16	20.08	19.81	19.95	20.50
1.4	1	LOW	64QAM	20.15	20.21	19.77	20.50
		MID	64QAM	19.94	20.34	19.73	20.50
		HIGH	64QAM	19.98	20.16	19.93	20.50
	3	LOW	64QAM	19.90	20.28	19.81	20.50
		MID	64QAM	19.95	20.17	19.89	20.50
		HIGH	64QAM	19.92	20.05	19.90	20.50
	6	LOW	64QAM	19.23	18.90	19.09	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	22.03	21.97	21.87	22.50
		MID	QPSK	**22.05**	21.89	21.81	22.50
		HIGH	QPSK	21.95	21.66	21.81	22.50
	8	LOW	QPSK	20.82	20.86	20.97	21.50
		MID	QPSK	21.02	21.00	20.75	21.50
		HIGH	QPSK	21.07	21.02	20.99	21.50
	15	LOW	QPSK	20.74	20.98	20.79	21.50
3	1	LOW	Q16	20.70	21.23	20.82	21.50
		MID	Q16	20.77	21.30	20.72	21.50
		HIGH	Q16	20.86	21.04	20.89	21.50
	8	LOW	Q16	19.84	19.88	19.94	20.50
		MID	Q16	19.91	20.05	19.90	20.50
		HIGH	Q16	19.88	19.86	19.91	20.50
	15	LOW	Q16	19.97	20.09	20.02	20.50
3	1	LOW	64QAM	19.93	20.22	20.02	20.50
		MID	64QAM	19.74	20.28	19.85	20.50
		HIGH	64QAM	19.73	20.26	19.75	20.50
	8	LOW	64QAM	18.81	19.06	18.93	19.50
		MID	64QAM	18.98	18.92	18.93	19.50
		HIGH	64QAM	18.84	18.85	19.04	19.50
	15	LOW	64QAM	18.94	19.04	18.94	19.50

LTE B12-Level1&2&3&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	21.95	**22.08**	21.98	22.50
		MID	QPSK	22.02	21.99	21.95	22.50
		HIGH	QPSK	21.95	21.71	21.86	22.50
	12	LOW	QPSK	20.90	21.02	20.78	21.50
		MID	QPSK	20.94	20.92	21.03	21.50
		HIGH	QPSK	21.07	20.80	20.87	21.50
	25	LOW	QPSK	20.89	21.04	20.81	21.50
5	1	LOW	Q16	20.90	21.40	20.83	21.50
		MID	Q16	20.82	21.47	20.80	21.50
		HIGH	Q16	20.76	21.29	20.80	21.50
	12	LOW	Q16	19.72	20.07	20.05	20.50
		MID	Q16	19.79	19.92	20.00	20.50
		HIGH	Q16	19.91	19.87	20.09	20.50
	25	LOW	Q16	20.00	19.96	19.96	20.50
5	1	LOW	64QAM	19.76	20.18	19.78	20.50
		MID	64QAM	19.83	20.27	19.97	20.50
		HIGH	64QAM	19.66	20.23	19.79	20.50
	12	LOW	64QAM	18.88	18.99	19.13	19.50
		MID	64QAM	18.80	18.97	19.12	19.50
		HIGH	64QAM	19.08	19.08	18.92	19.50
	25	LOW	64QAM	18.85	19.05	18.99	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	21.83	21.93	21.89	22.50
		MID	QPSK	21.94	**21.95**	21.89	22.50
		HIGH	QPSK	21.90	21.81	21.83	22.50
	25	LOW	QPSK	20.83	20.94	20.91	21.50
		MID	QPSK	20.90	20.91	20.90	21.50
		HIGH	QPSK	20.92	20.92	20.86	21.50
	50	LOW	QPSK	20.88	20.96	20.94	21.50
10	1	LOW	Q16	20.85	21.28	20.89	21.50
		MID	Q16	20.83	21.32	20.83	21.50
		HIGH	Q16	20.77	21.18	20.76	21.50
	25	LOW	Q16	19.87	19.98	19.99	20.50
		MID	Q16	19.93	19.94	20.01	20.50
		HIGH	Q16	19.93	19.97	19.97	20.50
	50	LOW	Q16	19.87	19.98	19.95	20.50
10	1	LOW	64QAM	19.85	20.26	19.97	20.50
		MID	64QAM	19.90	20.36	19.76	20.50
		HIGH	64QAM	19.83	20.22	19.90	20.50
	25	LOW	64QAM	18.87	18.90	18.89	19.50
		MID	64QAM	18.97	19.04	19.03	19.50
		HIGH	64QAM	18.93	18.85	18.86	19.50
	50	LOW	64QAM	18.82	19.13	18.86	19.50

8.3.6 LTE Band17 Output Power

LTE B17-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.10	21.85	21.97	22.50
		MID	QPSK	22.11	21.91	21.86	22.50
		HIGH	QPSK	**22.12**	21.88	21.73	22.50
	12	LOW	QPSK	20.96	20.90	20.92	21.50
		MID	QPSK	20.96	20.94	20.85	21.50
		HIGH	QPSK	20.98	20.89	20.76	21.50
	25	LOW	QPSK	20.97	20.87	20.85	21.50
5	1	LOW	Q16	21.20	21.37	20.89	21.50
		MID	Q16	21.24	21.38	20.82	21.50
		HIGH	Q16	21.29	21.47	20.64	21.50
	12	LOW	Q16	19.97	20.01	19.94	20.50
		MID	Q16	19.93	20.01	19.91	20.50
		HIGH	Q16	19.98	19.99	19.81	20.50
	25	LOW	Q16	20.06	19.99	19.81	20.50
5	1	LOW	64QAM	19.82	20.23	19.83	20.50
		MID	64QAM	19.85	20.25	19.96	20.50
		HIGH	64QAM	19.63	19.99	19.57	20.50
	12	LOW	64QAM	18.75	19.04	19.04	19.50
		MID	64QAM	18.97	18.88	18.96	19.50
		HIGH	64QAM	19.08	18.99	18.85	19.50
	25	LOW	64QAM	18.91	18.87	18.84	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	21.94	21.87	21.90	22.50
		MID	QPSK	22.01	21.92	**22.03**	22.50
		HIGH	QPSK	21.87	21.74	21.68	22.50
	25	LOW	QPSK	20.90	20.81	20.85	21.50
		MID	QPSK	20.92	20.84	20.87	21.50
		HIGH	QPSK	20.93	20.83	20.84	21.50
	50	LOW	QPSK	20.81	20.85	20.75	21.50
10	1	LOW	Q16	20.73	21.22	20.86	21.50
		MID	Q16	20.78	21.33	20.90	21.50
		HIGH	Q16	20.67	21.13	20.67	21.50
	25	LOW	Q16	19.89	19.95	20.02	20.50
		MID	Q16	19.95	19.97	20.06	20.50
		HIGH	Q16	19.96	19.94	19.91	20.50
	50	LOW	Q16	19.89	19.92	19.86	20.50
10	1	LOW	64QAM	19.60	20.19	19.99	20.50
		MID	64QAM	19.70	20.31	19.95	20.50
		HIGH	64QAM	19.81	20.13	19.68	20.50
	25	LOW	64QAM	19.03	19.03	18.89	19.50
		MID	64QAM	18.98	19.04	19.15	19.50
		HIGH	64QAM	18.92	19.07	18.82	19.50
	50	LOW	64QAM	18.75	18.90	18.79	19.50

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LTE B17-Level1&2&3&4 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.10	21.85	21.97	22.50
		MID	QPSK	22.11	21.91	21.86	22.50
		HIGH	QPSK	**22.12**	21.88	21.73	22.50
	12	LOW	QPSK	20.96	20.90	20.92	21.50
		MID	QPSK	20.96	20.94	20.85	21.50
		HIGH	QPSK	20.98	20.89	20.76	21.50
	25	LOW	QPSK	20.97	20.87	20.85	21.50
5	1	LOW	Q16	21.20	21.37	20.89	21.50
		MID	Q16	21.24	21.38	20.82	21.50
		HIGH	Q16	21.29	21.47	20.64	21.50
	12	LOW	Q16	19.97	20.01	19.94	20.50
		MID	Q16	19.93	20.01	19.91	20.50
		HIGH	Q16	19.98	19.99	19.81	20.50
	25	LOW	Q16	20.06	19.99	19.81	20.50
5	1	LOW	64QAM	19.82	20.23	19.83	20.50
		MID	64QAM	19.85	20.25	19.96	20.50
		HIGH	64QAM	19.63	19.99	19.57	20.50
	12	LOW	64QAM	18.75	19.04	19.04	19.50
		MID	64QAM	18.97	18.88	18.96	19.50
		HIGH	64QAM	19.08	18.99	18.85	19.50
	25	LOW	64QAM	18.91	18.87	18.84	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	21.94	21.87	21.90	22.50
		MID	QPSK	22.01	21.92	**22.03**	22.50
		HIGH	QPSK	21.87	21.74	21.68	22.50
	25	LOW	QPSK	20.90	20.81	20.85	21.50
		MID	QPSK	20.92	20.84	20.87	21.50
		HIGH	QPSK	20.93	20.83	20.84	21.50
	50	LOW	QPSK	20.81	20.85	20.75	21.50
10	1	LOW	Q16	20.73	21.22	20.86	21.50
		MID	Q16	20.78	21.33	20.90	21.50
		HIGH	Q16	20.67	21.13	20.67	21.50
	25	LOW	Q16	19.89	19.95	20.02	20.50
		MID	Q16	19.95	19.97	20.06	20.50
		HIGH	Q16	19.96	19.94	19.91	20.50
	50	LOW	Q16	19.89	19.92	19.86	20.50
10	1	LOW	64QAM	19.60	20.19	19.99	20.50
		MID	64QAM	19.70	20.31	19.95	20.50
		HIGH	64QAM	19.81	20.13	19.68	20.50
	25	LOW	64QAM	19.03	19.03	18.89	19.50
		MID	64QAM	18.98	19.04	19.15	19.50
		HIGH	64QAM	18.92	19.07	18.82	19.50
	50	LOW	64QAM	18.75	18.90	18.79	19.50

8.3.6 LTE Band17 Output Power

LTE B17-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.26	22.12	22.13	23.00
		MID	QPSK	**22.31**	22.11	22.07	23.00
		HIGH	QPSK	22.30	22.06	21.99	23.00
	12	LOW	QPSK	21.16	21.14	21.03	22.00
		MID	QPSK	21.14	21.10	21.05	22.00
		HIGH	QPSK	21.13	21.09	21.00	22.00
	25	LOW	QPSK	21.15	21.12	21.03	22.00
5	1	LOW	Q16	21.35	21.48	21.13	22.00
		MID	Q16	21.34	21.50	21.08	22.00
		HIGH	Q16	21.40	21.44	21.00	22.00
	12	LOW	Q16	20.20	20.27	20.10	21.00
		MID	Q16	20.13	20.24	20.10	21.00
		HIGH	Q16	20.15	20.19	20.07	21.00
	25	LOW	Q16	20.19	20.17	20.01	21.00
5	1	LOW	64QAM	19.99	20.31	20.23	21.00
		MID	64QAM	20.12	20.38	20.03	21.00
		HIGH	64QAM	19.90	20.30	19.79	21.00
	12	LOW	64QAM	19.04	19.19	19.18	20.00
		MID	64QAM	19.19	19.13	19.13	20.00
		HIGH	64QAM	19.18	19.26	19.19	20.00
	25	LOW	64QAM	19.17	19.12	19.26	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	22.14	22.12	22.13	23.00
		MID	QPSK	**22.15**	22.14	22.10	23.00
		HIGH	QPSK	22.04	21.97	21.94	23.00
	25	LOW	QPSK	21.16	21.11	21.08	22.00
		MID	QPSK	21.10	21.09	21.11	22.00
		HIGH	QPSK	21.14	21.10	21.08	22.00
	50	LOW	QPSK	21.13	21.15	21.11	22.00
10	1	LOW	Q16	21.04	21.47	21.12	22.00
		MID	Q16	21.01	21.49	21.11	22.00
		HIGH	Q16	20.90	21.37	20.94	22.00
	25	LOW	Q16	20.18	20.18	20.21	21.00
		MID	Q16	20.14	20.14	20.23	21.00
		HIGH	Q16	20.20	20.16	20.18	21.00
	50	LOW	Q16	20.14	20.13	20.12	21.00
10	1	LOW	64QAM	20.03	20.39	19.99	21.00
		MID	64QAM	19.96	20.46	20.20	21.00
		HIGH	64QAM	19.81	20.34	20.04	21.00
	25	LOW	64QAM	19.32	19.33	19.29	20.00
		MID	64QAM	19.20	19.01	19.26	20.00
		HIGH	64QAM	19.12	19.12	19.24	20.00
	50	LOW	64QAM	19.01	19.02	19.16	20.00

LTE B17-Level1&2&3&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.26	22.12	22.13	23.00
		MID	QPSK	**22.31**	22.11	22.07	23.00
		HIGH	QPSK	22.30	22.06	21.99	23.00
	12	LOW	QPSK	21.16	21.14	21.03	22.00
		MID	QPSK	21.14	21.10	21.05	22.00
		HIGH	QPSK	21.13	21.09	21.00	22.00
	25	LOW	QPSK	21.15	21.12	21.03	22.00
5	1	LOW	Q16	21.35	21.48	21.13	22.00
		MID	Q16	21.34	21.50	21.08	22.00
		HIGH	Q16	21.40	21.44	21.00	22.00
	12	LOW	Q16	20.20	20.27	20.10	21.00
		MID	Q16	20.13	20.24	20.10	21.00
		HIGH	Q16	20.15	20.19	20.07	21.00
	25	LOW	Q16	20.19	20.17	20.01	21.00
5	1	LOW	64QAM	19.99	20.31	20.23	21.00
		MID	64QAM	20.12	20.38	20.03	21.00
		HIGH	64QAM	19.90	20.30	19.79	21.00
	12	LOW	64QAM	19.04	19.19	19.18	20.00
		MID	64QAM	19.19	19.13	19.13	20.00
		HIGH	64QAM	19.18	19.26	19.19	20.00
	25	LOW	64QAM	19.17	19.12	19.26	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	22.14	22.12	22.13	23.00
		MID	QPSK	**22.15**	22.14	22.10	23.00
		HIGH	QPSK	22.04	21.97	21.94	23.00
	25	LOW	QPSK	21.16	21.11	21.08	22.00
		MID	QPSK	21.10	21.09	21.11	22.00
		HIGH	QPSK	21.14	21.10	21.08	22.00
	50	LOW	QPSK	21.13	21.15	21.11	22.00
10	1	LOW	Q16	21.04	21.47	21.12	22.00
		MID	Q16	21.01	21.49	21.11	22.00
		HIGH	Q16	20.90	21.37	20.94	22.00
	25	LOW	Q16	20.18	20.18	20.21	21.00
		MID	Q16	20.14	20.14	20.23	21.00
		HIGH	Q16	20.20	20.16	20.18	21.00
	50	LOW	Q16	20.14	20.13	20.12	21.00
10	1	LOW	64QAM	20.03	20.39	19.99	21.00
		MID	64QAM	19.96	20.46	20.20	21.00
		HIGH	64QAM	19.81	20.34	20.04	21.00
	25	LOW	64QAM	19.32	19.33	19.29	20.00
		MID	64QAM	19.20	19.01	19.26	20.00
		HIGH	64QAM	19.12	19.12	19.24	20.00
	50	LOW	64QAM	19.01	19.02	19.16	20.00

8.3.7 LTE Band66 Output Power

LTE B66-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.67	18.52	18.18	19.50
		MID	QPSK	18.67	18.48	18.19	19.50
		HIGH	QPSK	18.71	18.51	18.20	19.50
	3	LOW	QPSK	**18.74**	18.52	18.27	19.50
		MID	QPSK	18.73	18.50	18.29	19.50
		HIGH	QPSK	18.68	18.49	18.27	19.50
	6	LOW	QPSK	17.69	17.53	17.26	18.50
1.4	1	LOW	Q16	17.83	17.95	17.25	18.50
		MID	Q16	17.80	17.91	17.26	18.50
		HIGH	Q16	17.80	17.93	17.30	18.50
	3	LOW	Q16	17.95	17.72	17.38	18.50
		MID	Q16	17.95	17.67	17.38	18.50
		HIGH	Q16	17.97	17.68	17.38	18.50
	6	LOW	Q16	17.00	16.43	16.42	17.50
1.4	1	LOW	64QAM	16.68	17.03	16.37	17.50
		MID	64QAM	16.76	17.00	16.11	17.50
		HIGH	64QAM	16.80	16.86	16.26	17.50
	3	LOW	64QAM	17.06	16.74	16.51	17.50
		MID	64QAM	16.83	16.52	16.38	17.50
		HIGH	64QAM	17.01	16.70	16.39	17.50
	6	LOW	64QAM	16.05	15.42	15.29	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	18.82	18.68	18.31	19.50
		MID	QPSK	**19.05**	18.53	18.22	19.50
		HIGH	QPSK	18.59	18.41	17.92	19.50
	8	LOW	QPSK	17.76	17.40	17.26	18.50
		MID	QPSK	17.73	17.44	17.42	18.50
		HIGH	QPSK	17.66	17.36	17.27	18.50
	15	LOW	QPSK	17.55	17.42	17.33	18.50
3	1	LOW	Q16	18.50	17.85	17.62	18.50
		MID	Q16	18.36	17.99	17.54	18.50
		HIGH	Q16	18.25	17.62	17.54	18.50
	8	LOW	Q16	16.89	16.39	16.20	17.50
		MID	Q16	16.75	16.62	16.40	17.50
		HIGH	Q16	16.62	16.49	16.33	17.50
	15	LOW	Q16	16.73	16.47	16.39	17.50
3	1	LOW	64QAM	17.48	17.11	16.51	17.50
		MID	64QAM	17.39	16.95	16.75	17.50
		HIGH	64QAM	17.09	16.53	16.48	17.50
	8	LOW	64QAM	15.72	15.44	15.12	16.50
		MID	64QAM	15.95	15.57	15.16	16.50
		HIGH	64QAM	15.72	15.41	15.28	16.50
	15	LOW	64QAM	15.77	15.38	15.25	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	**19.01**	18.71	18.14	19.50
		MID	QPSK	18.96	18.49	18.34	19.50
		HIGH	QPSK	18.50	18.19	17.99	19.50
	12	LOW	QPSK	17.90	17.53	17.42	18.50
		MID	QPSK	17.71	17.62	17.23	18.50
		HIGH	QPSK	17.45	17.51	17.16	18.50
	25	LOW	QPSK	17.57	17.59	17.38	18.50
5	1	LOW	Q16	18.41	18.00	17.71	18.50
		MID	Q16	18.45	17.85	17.76	18.50
		HIGH	Q16	18.12	17.68	17.57	18.50
	12	LOW	Q16	16.67	16.38	16.22	17.50
		MID	Q16	17.00	16.61	16.21	17.50
		HIGH	Q16	16.67	16.35	16.30	17.50
	25	LOW	Q16	16.67	16.35	16.12	17.50
5	1	LOW	64QAM	17.50	16.92	16.66	17.50
		MID	64QAM	17.39	16.87	16.77	17.50
		HIGH	64QAM	17.23	16.60	16.45	17.50
	12	LOW	64QAM	15.85	15.55	15.34	16.50
		MID	64QAM	15.92	15.43	15.43	16.50
		HIGH	64QAM	15.58	15.39	15.17	16.50
	25	LOW	64QAM	15.63	15.39	15.30	16.50

LTE B66-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	**19.02**	18.65	18.14	19.50
		MID	QPSK	19.01	18.68	18.28	19.50
		HIGH	QPSK	18.77	18.32	17.92	19.50
	25	LOW	QPSK	17.60	17.43	17.44	18.50
		MID	QPSK	17.90	17.57	17.48	18.50
		HIGH	QPSK	17.54	17.58	17.32	18.50
	50	LOW	QPSK	17.52	17.48	17.20	18.50
10	1	LOW	Q16	18.48	18.03	17.55	18.50
		MID	Q16	18.46	18.04	17.57	18.50
		HIGH	Q16	18.01	17.57	17.36	18.50
	25	LOW	Q16	16.70	16.34	16.41	17.50
		MID	Q16	16.75	16.60	16.25	17.50
		HIGH	Q16	16.64	16.58	16.17	17.50
	50	LOW	Q16	16.67	16.52	16.16	17.50
10	1	LOW	64QAM	17.35	16.88	16.78	17.50
		MID	64QAM	17.28	17.06	16.74	17.50
		HIGH	64QAM	17.29	16.50	16.35	17.50
	25	LOW	64QAM	15.66	15.55	15.32	16.50
		MID	64QAM	15.76	15.39	15.39	16.50
		HIGH	64QAM	15.71	15.51	15.27	16.50
	50	LOW	64QAM	15.73	15.29	15.24	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	18.96	18.73	18.18	19.50
		MID	QPSK	**19.03**	18.67	18.16	19.50
		HIGH	QPSK	18.51	18.32	17.89	19.50
	36	LOW	QPSK	17.77	17.48	17.18	18.50
		MID	QPSK	17.71	17.57	17.34	18.50
		HIGH	QPSK	17.48	17.39	17.29	18.50
	75	LOW	QPSK	17.51	17.43	17.13	18.50
15	1	LOW	Q16	18.45	18.10	17.78	18.50
		MID	Q16	18.42	17.86	17.63	18.50
		HIGH	Q16	18.17	17.69	17.36	18.50
	36	LOW	Q16	16.80	16.41	16.14	17.50
		MID	Q16	17.00	16.45	16.41	17.50
		HIGH	Q16	16.70	16.58	16.29	17.50
	75	LOW	Q16	16.79	16.45	16.13	17.50
15	1	LOW	64QAM	17.33	16.98	16.64	17.50
		MID	64QAM	17.45	16.98	16.75	17.50
		HIGH	64QAM	17.05	16.69	16.61	17.50
	36	LOW	64QAM	15.65	15.51	15.19	16.50
		MID	64QAM	15.70	15.58	15.15	16.50
		HIGH	64QAM	15.50	15.35	15.32	16.50
	75	LOW	64QAM	15.65	15.54	15.15	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	18.72	**18.85**	18.34	19.50
		MID	QPSK	18.82	18.63	18.28	19.50
		HIGH	QPSK	18.63	18.28	18.02	19.50
	50	LOW	QPSK	17.62	17.72	17.29	18.50
		MID	QPSK	17.43	17.52	17.34	18.50
		HIGH	QPSK	17.58	17.47	17.28	18.50
	100	LOW	QPSK	17.53	17.60	17.28	18.50
20	1	LOW	Q16	18.41	17.97	17.66	18.50
		MID	Q16	18.42	17.99	17.69	18.50
		HIGH	Q16	18.15	17.61	17.50	18.50
	50	LOW	Q16	16.77	16.49	16.26	17.50
		MID	Q16	16.85	16.50	16.29	17.50
		HIGH	Q16	16.62	16.45	16.24	17.50
	100	LOW	Q16	16.68	16.39	16.27	17.50
20	1	LOW	64QAM	17.31	16.90	16.59	17.50
		MID	64QAM	17.40	17.12	16.68	17.50
		HIGH	64QAM	17.22	16.55	16.41	17.50
	50	LOW	64QAM	15.66	15.35	15.28	16.50
		MID	64QAM	15.70	15.36	15.22	16.50
		HIGH	64QAM	15.65	15.39	15.30	16.50
	100	LOW	64QAM	15.56	15.30	15.42	16.50

LTE B66-Level1 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	15.93	15.99	16.00	17.00
		MID	QPSK	16.03	16.01	15.90	17.00
		HIGH	QPSK	15.92	16.03	16.20	17.00
	3	LOW	QPSK	16.07	16.08	16.10	17.00
		MID	QPSK	16.03	16.04	16.03	17.00
		HIGH	QPSK	16.14	15.92	15.93	17.00
	6	LOW	QPSK	15.96	16.04	16.11	17.00
1.4	1	LOW	Q16	16.02	16.18	15.90	17.00
		MID	Q16	15.96	16.04	16.17	17.00
		HIGH	Q16	16.07	16.10	15.91	17.00
	3	LOW	Q16	16.06	16.17	16.10	17.00
		MID	Q16	15.94	16.18	16.18	17.00
		HIGH	Q16	16.00	16.04	16.09	17.00
	6	LOW	Q16	16.02	15.93	15.93	17.00
1.4	1	LOW	64QAM	16.12	16.14	15.96	17.00
		MID	64QAM	16.13	16.03	15.96	17.00
		HIGH	64QAM	16.13	16.07	16.17	17.00
	3	LOW	64QAM	15.67	15.48	15.46	16.50
		MID	64QAM	15.51	15.70	15.40	16.50
		HIGH	64QAM	15.50	15.65	15.60	16.50
	6	LOW	64QAM	15.57	15.46	15.65	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	16.20	16.02	16.18	17.00
		MID	QPSK	15.98	15.91	15.91	17.00
		HIGH	QPSK	16.11	16.10	16.20	17.00
	8	LOW	QPSK	16.18	15.98	16.06	17.00
		MID	QPSK	15.94	15.99	16.02	17.00
		HIGH	QPSK	15.98	16.06	16.17	17.00
	15	LOW	QPSK	16.09	16.00	15.93	17.00
3	1	LOW	Q16	16.12	16.10	16.12	17.00
		MID	Q16	16.05	16.02	16.03	17.00
		HIGH	Q16	16.14	16.05	16.19	17.00
	8	LOW	Q16	16.15	16.13	16.13	17.00
		MID	Q16	15.93	15.95	16.19	17.00
		HIGH	Q16	16.19	16.05	16.17	17.00
	15	LOW	Q16	16.07	15.97	15.94	17.00
3	1	LOW	64QAM	15.96	16.19	15.91	17.00
		MID	64QAM	16.07	15.94	16.19	17.00
		HIGH	64QAM	16.17	15.91	16.04	17.00
	8	LOW	64QAM	15.41	15.70	15.51	16.50
		MID	64QAM	15.65	15.64	15.63	16.50
		HIGH	64QAM	15.57	15.53	15.45	16.50
	15	LOW	64QAM	15.66	15.55	15.67	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	15.93	15.95	16.00	17.00
		MID	QPSK	16.01	16.15	15.95	17.00
		HIGH	QPSK	16.01	15.95	16.14	17.00
	12	LOW	QPSK	16.16	15.99	16.13	17.00
		MID	QPSK	15.95	16.05	15.90	17.00
		HIGH	QPSK	16.07	15.95	16.06	17.00
	25	LOW	QPSK	16.16	16.01	16.19	17.00
5	1	LOW	Q16	16.07	15.90	16.05	17.00
		MID	Q16	16.02	16.12	16.03	17.00
		HIGH	Q16	16.04	16.08	16.15	17.00
	12	LOW	Q16	15.91	16.09	16.02	17.00
		MID	Q16	16.10	15.96	16.14	17.00
		HIGH	Q16	15.98	16.00	15.93	17.00
	25	LOW	Q16	16.18	16.18	16.17	17.00
5	1	LOW	64QAM	16.18	15.99	15.95	17.00
		MID	64QAM	16.12	16.04	16.17	17.00
		HIGH	64QAM	15.95	16.01	16.08	17.00
	12	LOW	64QAM	15.54	15.51	15.62	16.50
		MID	64QAM	15.40	15.65	15.69	16.50
		HIGH	64QAM	15.47	15.60	15.52	16.50
	25	LOW	64QAM	15.60	15.47	15.66	16.50

LTE B66-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	16.05	15.96	16.14	17.00
		MID	QPSK	16.00	16.11	16.15	17.00
		HIGH	QPSK	16.09	16.05	15.96	17.00
	25	LOW	QPSK	15.97	16.15	16.13	17.00
		MID	QPSK	16.19	15.96	16.03	17.00
		HIGH	QPSK	15.98	16.03	15.94	17.00
	50	LOW	QPSK	15.99	15.97	16.05	17.00
10	1	LOW	Q16	15.91	16.04	16.18	17.00
		MID	Q16	16.15	16.03	16.17	17.00
		HIGH	Q16	16.03	16.13	16.08	17.00
	25	LOW	Q16	16.10	16.18	15.96	17.00
		MID	Q16	16.07	15.96	15.97	17.00
		HIGH	Q16	16.14	15.94	16.01	17.00
	50	LOW	Q16	16.19	15.96	16.14	17.00
10	1	LOW	64QAM	15.90	16.08	16.17	17.00
		MID	64QAM	16.01	15.94	16.14	17.00
		HIGH	64QAM	16.16	16.00	16.19	17.00
	25	LOW	64QAM	15.55	15.54	15.50	16.50
		MID	64QAM	15.48	15.59	15.53	16.50
		HIGH	64QAM	15.64	15.47	15.46	16.50
	50	LOW	64QAM	15.59	15.41	15.41	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	16.10	16.18	16.05	17.00
		MID	QPSK	16.11	16.20	16.13	17.00
		HIGH	QPSK	16.15	16.19	16.11	17.00
	36	LOW	QPSK	16.20	16.18	16.02	17.00
		MID	QPSK	16.04	15.92	16.19	17.00
		HIGH	QPSK	16.06	16.04	16.08	17.00
	75	LOW	QPSK	16.01	15.95	15.95	17.00
15	1	LOW	Q16	16.12	16.15	15.99	17.00
		MID	Q16	16.12	15.95	16.16	17.00
		HIGH	Q16	16.18	15.99	16.04	17.00
	36	LOW	Q16	16.07	16.00	16.00	17.00
		MID	Q16	16.08	16.02	16.07	17.00
		HIGH	Q16	16.04	15.90	15.97	17.00
	75	LOW	Q16	16.13	16.09	15.93	17.00
15	1	LOW	64QAM	15.94	16.04	15.96	17.00
		MID	64QAM	16.09	16.06	15.98	17.00
		HIGH	64QAM	15.95	16.04	15.90	17.00
	36	LOW	64QAM	15.44	15.68	15.52	16.50
		MID	64QAM	15.59	15.63	15.50	16.50
		HIGH	64QAM	15.56	15.54	15.56	16.50
	75	LOW	64QAM	15.70	15.58	15.51	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	16.17	15.94	16.19	17.00
		MID	QPSK	15.99	16.20	16.18	17.00
		HIGH	QPSK	16.15	15.90	16.13	17.00
	50	LOW	QPSK	15.95	16.11	16.08	17.00
		MID	QPSK	16.08	16.09	15.95	17.00
		HIGH	QPSK	16.09	16.08	16.09	17.00
	100	LOW	QPSK	15.98	16.13	15.93	17.00
20	1	LOW	Q16	16.02	16.04	16.16	17.00
		MID	Q16	15.92	15.94	16.10	17.00
		HIGH	Q16	16.15	15.95	16.17	17.00
	50	LOW	Q16	16.11	16.02	15.97	17.00
		MID	Q16	15.92	16.18	16.03	17.00
		HIGH	Q16	16.11	16.18	16.06	17.00
	100	LOW	Q16	15.92	15.93	16.09	17.00
20	1	LOW	64QAM	16.10	16.07	16.20	17.00
		MID	64QAM	15.98	15.93	15.94	17.00
		HIGH	64QAM	16.12	15.95	16.02	17.00
	50	LOW	64QAM	15.67	15.52	15.46	16.50
		MID	64QAM	15.42	15.54	15.43	16.50
		HIGH	64QAM	15.40	15.42	15.52	16.50
	100	LOW	64QAM	15.58	15.51	15.44	16.50

LTE B66-Level2&4 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.67	18.52	18.18	19.50
		MID	QPSK	18.67	18.48	18.19	19.50
		HIGH	QPSK	18.71	18.51	18.20	19.50
	3	LOW	QPSK	**18.74**	18.52	18.27	19.50
		MID	QPSK	18.73	18.50	18.29	19.50
		HIGH	QPSK	18.68	18.49	18.27	19.50
	6	LOW	QPSK	17.69	17.53	17.26	18.50
1.4	1	LOW	Q16	17.83	17.95	17.25	18.50
		MID	Q16	17.80	17.91	17.26	18.50
		HIGH	Q16	17.80	17.93	17.30	18.50
	3	LOW	Q16	17.95	17.72	17.38	18.50
		MID	Q16	17.95	17.67	17.38	18.50
		HIGH	Q16	17.97	17.68	17.38	18.50
	6	LOW	Q16	17.00	16.43	16.42	17.50
1.4	1	LOW	64QAM	16.68	17.03	16.37	17.50
		MID	64QAM	16.76	17.00	16.11	17.50
		HIGH	64QAM	16.80	16.86	16.26	17.50
	3	LOW	64QAM	17.06	16.74	16.51	17.50
		MID	64QAM	16.83	16.52	16.38	17.50
		HIGH	64QAM	17.01	16.70	16.39	17.50
	6	LOW	64QAM	16.05	15.42	15.29	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	18.82	18.68	18.31	19.50
		MID	QPSK	**19.05**	18.53	18.22	19.50
		HIGH	QPSK	18.59	18.41	17.92	19.50
	8	LOW	QPSK	17.76	17.40	17.26	18.50
		MID	QPSK	17.73	17.44	17.42	18.50
		HIGH	QPSK	17.66	17.36	17.27	18.50
	15	LOW	QPSK	17.55	17.42	17.33	18.50
3	1	LOW	Q16	18.50	17.85	17.62	18.50
		MID	Q16	18.36	17.99	17.54	18.50
		HIGH	Q16	18.25	17.62	17.54	18.50
	8	LOW	Q16	16.89	16.39	16.20	17.50
		MID	Q16	16.75	16.62	16.40	17.50
		HIGH	Q16	16.62	16.49	16.33	17.50
	15	LOW	Q16	16.73	16.47	16.39	17.50
3	1	LOW	64QAM	17.48	17.11	16.51	17.50
		MID	64QAM	17.39	16.95	16.75	17.50
		HIGH	64QAM	17.09	16.53	16.48	17.50
	8	LOW	64QAM	15.72	15.44	15.12	16.50
		MID	64QAM	15.95	15.57	15.16	16.50
		HIGH	64QAM	15.72	15.41	15.28	16.50
	15	LOW	64QAM	15.77	15.38	15.25	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	**19.01**	18.71	18.14	19.50
		MID	QPSK	18.96	18.49	18.34	19.50
		HIGH	QPSK	18.50	18.19	17.99	19.50
	12	LOW	QPSK	17.90	17.53	17.42	18.50
		MID	QPSK	17.71	17.62	17.23	18.50
		HIGH	QPSK	17.45	17.51	17.16	18.50
	25	LOW	QPSK	17.57	17.59	17.38	18.50
5	1	LOW	Q16	18.41	18.00	17.71	18.50
		MID	Q16	18.45	17.85	17.76	18.50
		HIGH	Q16	18.12	17.68	17.57	18.50
	12	LOW	Q16	16.67	16.38	16.22	17.50
		MID	Q16	17.00	16.61	16.21	17.50
		HIGH	Q16	16.67	16.35	16.30	17.50
	25	LOW	Q16	16.67	16.35	16.12	17.50
5	1	LOW	64QAM	17.50	16.92	16.66	17.50
		MID	64QAM	17.39	16.87	16.77	17.50
		HIGH	64QAM	17.23	16.60	16.45	17.50
	12	LOW	64QAM	15.85	15.55	15.34	16.50
		MID	64QAM	15.92	15.43	15.43	16.50
		HIGH	64QAM	15.58	15.39	15.17	16.50
	25	LOW	64QAM	15.63	15.39	15.30	16.50

LTE B66-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	**19.02**	18.65	18.14	19.50
		MID	QPSK	19.01	18.68	18.28	19.50
		HIGH	QPSK	18.77	18.32	17.92	19.50
	25	LOW	QPSK	17.60	17.43	17.44	18.50
		MID	QPSK	17.90	17.57	17.48	18.50
		HIGH	QPSK	17.54	17.58	17.32	18.50
	50	LOW	QPSK	17.52	17.48	17.20	18.50
10	1	LOW	Q16	18.48	18.03	17.55	18.50
		MID	Q16	18.46	18.04	17.57	18.50
		HIGH	Q16	18.01	17.57	17.36	18.50
	25	LOW	Q16	16.70	16.34	16.41	17.50
		MID	Q16	16.75	16.60	16.25	17.50
		HIGH	Q16	16.64	16.58	16.17	17.50
	50	LOW	Q16	16.67	16.52	16.16	17.50
10	1	LOW	64QAM	17.35	16.88	16.78	17.50
		MID	64QAM	17.28	17.06	16.74	17.50
		HIGH	64QAM	17.29	16.50	16.35	17.50
	25	LOW	64QAM	15.66	15.55	15.32	16.50
		MID	64QAM	15.76	15.39	15.39	16.50
		HIGH	64QAM	15.71	15.51	15.27	16.50
	50	LOW	64QAM	15.73	15.29	15.24	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	18.96	18.73	18.18	19.50
		MID	QPSK	**19.03**	18.67	18.16	19.50
		HIGH	QPSK	18.51	18.32	17.89	19.50
	36	LOW	QPSK	17.77	17.48	17.18	18.50
		MID	QPSK	17.71	17.57	17.34	18.50
		HIGH	QPSK	17.48	17.39	17.29	18.50
	75	LOW	QPSK	17.51	17.43	17.13	18.50
15	1	LOW	Q16	18.45	18.10	17.78	18.50
		MID	Q16	18.42	17.86	17.63	18.50
		HIGH	Q16	18.17	17.69	17.36	18.50
	36	LOW	Q16	16.80	16.41	16.14	17.50
		MID	Q16	17.00	16.45	16.41	17.50
		HIGH	Q16	16.70	16.58	16.29	17.50
	75	LOW	Q16	16.79	16.45	16.13	17.50
15	1	LOW	64QAM	17.33	16.98	16.64	17.50
		MID	64QAM	17.45	16.98	16.75	17.50
		HIGH	64QAM	17.05	16.69	16.61	17.50
	36	LOW	64QAM	15.65	15.51	15.19	16.50
		MID	64QAM	15.70	15.58	15.15	16.50
		HIGH	64QAM	15.50	15.35	15.32	16.50
	75	LOW	64QAM	15.65	15.54	15.15	16.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	18.72	**18.85**	18.34	19.50
		MID	QPSK	18.82	18.63	18.28	19.50
		HIGH	QPSK	18.63	18.28	18.02	19.50
	50	LOW	QPSK	17.62	17.72	17.29	18.50
		MID	QPSK	17.43	17.52	17.34	18.50
		HIGH	QPSK	17.58	17.47	17.28	18.50
	100	LOW	QPSK	17.53	17.60	17.28	18.50
20	1	LOW	Q16	18.41	17.97	17.66	18.50
		MID	Q16	18.42	17.99	17.69	18.50
		HIGH	Q16	18.15	17.61	17.50	18.50
	50	LOW	Q16	16.77	16.49	16.26	17.50
		MID	Q16	16.85	16.50	16.29	17.50
		HIGH	Q16	16.62	16.45	16.24	17.50
	100	LOW	Q16	16.68	16.39	16.27	17.50
20	1	LOW	64QAM	17.31	16.90	16.59	17.50
		MID	64QAM	17.40	17.12	16.68	17.50
		HIGH	64QAM	17.22	16.55	16.41	17.50
	50	LOW	64QAM	15.66	15.35	15.28	16.50
		MID	64QAM	15.70	15.36	15.22	16.50
		HIGH	64QAM	15.65	15.39	15.30	16.50
	100	LOW	64QAM	15.56	15.30	15.42	16.50

LTE B66-Level3 -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	15.17	15.13	15.04	16.00
		MID	QPSK	15.20	15.14	14.98	16.00
		HIGH	QPSK	15.05	14.94	15.15	16.00
	3	LOW	QPSK	14.98	15.05	14.90	16.00
		MID	QPSK	15.14	15.07	14.90	16.00
		HIGH	QPSK	14.93	15.18	15.20	16.00
	6	LOW	QPSK	15.15	14.98	15.01	16.00
1.4	1	LOW	Q16	14.94	15.14	15.14	16.00
		MID	Q16	15.05	15.01	15.15	16.00
		HIGH	Q16	14.99	14.90	15.09	16.00
	3	LOW	Q16	14.92	15.09	15.03	16.00
		MID	Q16	15.02	15.00	14.95	16.00
		HIGH	Q16	14.91	15.10	14.96	16.00
	6	LOW	Q16	14.97	15.09	14.93	16.00
1.4	1	LOW	64QAM	14.92	15.06	14.94	16.00
		MID	64QAM	15.01	14.96	15.20	16.00
		HIGH	64QAM	15.01	15.08	15.00	16.00
	3	LOW	64QAM	15.19	14.93	14.91	16.00
		MID	64QAM	15.01	14.91	15.18	16.00
		HIGH	64QAM	15.18	15.02	15.17	16.00
	6	LOW	64QAM	15.15	15.14	15.16	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	15.00	14.91	15.03	16.00
		MID	QPSK	15.14	15.11	15.14	16.00
		HIGH	QPSK	15.20	15.08	15.08	16.00
	8	LOW	QPSK	15.20	15.18	15.18	16.00
		MID	QPSK	15.00	15.15	15.04	16.00
		HIGH	QPSK	15.20	15.12	15.07	16.00
	15	LOW	QPSK	15.13	14.93	15.20	16.00
3	1	LOW	Q16	15.15	14.90	15.19	16.00
		MID	Q16	15.04	15.08	15.01	16.00
		HIGH	Q16	14.92	15.14	15.02	16.00
	8	LOW	Q16	15.15	15.13	15.20	16.00
		MID	Q16	14.97	14.96	15.01	16.00
		HIGH	Q16	15.03	15.09	15.20	16.00
	15	LOW	Q16	15.07	15.00	15.15	16.00
3	1	LOW	64QAM	15.05	14.97	15.14	16.00
		MID	64QAM	15.15	15.13	14.91	16.00
		HIGH	64QAM	15.20	15.07	15.00	16.00
	8	LOW	64QAM	15.14	14.91	15.20	16.00
		MID	64QAM	14.92	14.95	15.12	16.00
		HIGH	64QAM	15.16	14.97	14.98	16.00
	15	LOW	64QAM	15.20	15.10	15.11	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	15.06	14.95	14.90	16.00
		MID	QPSK	15.15	14.92	15.13	16.00
		HIGH	QPSK	15.00	14.95	15.12	16.00
	12	LOW	QPSK	15.07	15.15	15.09	16.00
		MID	QPSK	14.98	15.20	15.02	16.00
		HIGH	QPSK	15.20	14.96	15.07	16.00
	25	LOW	QPSK	15.20	15.16	15.12	16.00
5	1	LOW	Q16	14.91	15.06	15.01	16.00
		MID	Q16	15.20	14.94	15.12	16.00
		HIGH	Q16	15.14	14.97	15.13	16.00
	12	LOW	Q16	15.18	15.13	14.91	16.00
		MID	Q16	15.00	15.11	15.12	16.00
		HIGH	Q16	14.91	14.93	14.92	16.00
	25	LOW	Q16	15.16	15.08	15.06	16.00
5	1	LOW	64QAM	15.18	14.95	14.93	16.00
		MID	64QAM	15.07	14.96	15.05	16.00
		HIGH	64QAM	15.10	15.04	15.05	16.00
	12	LOW	64QAM	15.05	15.09	14.93	16.00
		MID	64QAM	15.15	15.05	15.11	16.00
		HIGH	64QAM	15.11	15.10	15.11	16.00
	25	LOW	64QAM	15.07	15.17	15.09	16.00

LTE B66-Full Power -Ant.4							
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	15.12	15.03	15.03	16.00
		MID	QPSK	14.93	15.18	15.06	16.00
		HIGH	QPSK	15.18	15.07	14.90	16.00
	25	LOW	QPSK	14.90	15.12	15.11	16.00
		MID	QPSK	15.15	14.90	14.97	16.00
		HIGH	QPSK	15.04	14.96	15.06	16.00
	50	LOW	QPSK	15.11	15.10	15.04	16.00
10	1	LOW	Q16	15.01	14.97	15.11	16.00
		MID	Q16	15.10	15.09	14.95	16.00
		HIGH	Q16	15.00	15.20	15.16	16.00
	25	LOW	Q16	15.17	15.09	14.93	16.00
		MID	Q16	14.93	15.19	15.20	16.00
		HIGH	Q16	15.02	15.15	15.16	16.00
	50	LOW	Q16	14.94	15.12	15.09	16.00
10	1	LOW	64QAM	15.01	15.14	15.19	16.00
		MID	64QAM	15.20	15.05	15.07	16.00
		HIGH	64QAM	15.02	14.98	14.97	16.00
	25	LOW	64QAM	15.19	15.09	15.01	16.00
		MID	64QAM	15.05	15.05	15.14	16.00
		HIGH	64QAM	15.08	14.92	15.18	16.00
	50	LOW	64QAM	15.01	15.00	15.08	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	15.16	15.15	15.08	16.00
		MID	QPSK	15.05	14.98	15.08	16.00
		HIGH	QPSK	15.17	15.08	15.01	16.00
	36	LOW	QPSK	15.00	15.13	15.04	16.00
		MID	QPSK	15.05	15.03	15.18	16.00
		HIGH	QPSK	15.09	15.19	15.13	16.00
	75	LOW	QPSK	15.02	14.98	15.18	16.00
15	1	LOW	Q16	15.01	15.01	15.04	16.00
		MID	Q16	14.93	15.11	15.03	16.00
		HIGH	Q16	15.15	14.95	15.16	16.00
	36	LOW	Q16	15.19	15.15	14.94	16.00
		MID	Q16	15.17	15.14	15.10	16.00
		HIGH	Q16	15.09	15.13	14.92	16.00
	75	LOW	Q16	15.02	15.13	15.02	16.00
15	1	LOW	64QAM	15.14	14.91	14.91	16.00
		MID	64QAM	15.19	15.02	15.12	16.00
		HIGH	64QAM	15.13	15.08	15.03	16.00
	36	LOW	64QAM	14.97	15.06	15.02	16.00
		MID	64QAM	15.09	14.96	14.97	16.00
		HIGH	64QAM	14.98	15.01	14.94	16.00
	75	LOW	64QAM	15.03	15.20	15.07	16.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	15.12	15.06	15.07	16.00
		MID	QPSK	15.04	14.98	14.90	16.00
		HIGH	QPSK	14.90	15.01	14.98	16.00
	50	LOW	QPSK	14.95	15.00	15.01	16.00
		MID	QPSK	14.97	14.94	15.01	16.00
		HIGH	QPSK	15.04	15.15	14.98	16.00
	100	LOW	QPSK	15.13	15.14	15.09	16.00
20	1	LOW	Q16	14.95	14.90	15.16	16.00
		MID	Q16	15.06	15.16	14.96	16.00
		HIGH	Q16	14.90	15.13	15.11	16.00
	50	LOW	Q16	15.12	15.17	15.14	16.00
		MID	Q16	15.03	15.18	15.19	16.00
		HIGH	Q16	15.14	14.96	15.11	16.00
	100	LOW	Q16	14.96	15.10	14.93	16.00
20	1	LOW	64QAM	15.08	15.16	14.94	16.00
		MID	64QAM	15.10	15.10	15.18	16.00
		HIGH	64QAM	14.95	15.09	15.13	16.00
	50	LOW	64QAM	15.07	15.01	15.09	16.00
		MID	64QAM	14.94	14.93	15.07	16.00
		HIGH	64QAM	14.99	14.91	14.94	16.00
	100	LOW	64QAM	15.13	15.08	15.10	16.00

8.3.7 LTE Band66 Output Power

LTE B66-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.20	22.34	22.22	23.00
		MID	QPSK	22.20	22.35	22.23	23.00
		HIGH	QPSK	22.23	**22.38**	22.24	23.00
	3	LOW	QPSK	22.26	22.37	22.29	23.00
		MID	QPSK	22.29	22.36	22.33	23.00
		HIGH	QPSK	22.26	22.36	22.31	23.00
	6	LOW	QPSK	21.23	21.40	21.29	22.00
1.4	1	LOW	Q16	21.37	21.77	21.30	22.00
		MID	Q16	21.40	21.74	21.32	22.00
		HIGH	Q16	21.39	21.78	21.33	22.00
	3	LOW	Q16	21.29	21.56	21.45	22.00
		MID	Q16	21.29	21.50	21.44	22.00
		HIGH	Q16	21.30	21.51	21.43	22.00
	6	LOW	Q16	20.35	20.29	20.43	21.00
1.4	1	LOW	64QAM	20.52	20.63	20.27	21.00
		MID	64QAM	20.42	20.61	20.38	21.00
		HIGH	64QAM	20.54	20.66	20.43	21.00
	3	LOW	64QAM	20.23	20.41	20.37	21.00
		MID	64QAM	20.24	20.49	20.46	21.00
		HIGH	64QAM	20.33	20.65	20.33	21.00
	6	LOW	64QAM	19.24	19.27	19.38	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	22.40	**22.48**	22.19	23.00
		MID	QPSK	22.28	22.31	22.20	23.00
		HIGH	QPSK	22.11	22.35	22.02	23.00
	8	LOW	QPSK	21.29	21.29	21.40	22.00
		MID	QPSK	21.20	21.49	21.26	22.00
		HIGH	QPSK	21.34	21.43	21.54	22.00
	15	LOW	QPSK	21.10	21.49	21.56	22.00
3	1	LOW	Q16	21.69	21.90	21.61	22.00
		MID	Q16	21.82	21.78	21.67	22.00
		HIGH	Q16	21.75	21.81	21.59	22.00
	8	LOW	Q16	20.28	20.52	20.43	21.00
		MID	Q16	20.24	20.55	20.38	21.00
		HIGH	Q16	20.21	20.34	20.27	21.00
	15	LOW	Q16	20.14	20.41	20.34	21.00
3	1	LOW	64QAM	20.73	20.67	20.53	21.00
		MID	64QAM	21.00	20.84	20.88	21.00
		HIGH	64QAM	20.74	20.65	20.42	21.00
	8	LOW	64QAM	19.16	19.41	19.47	20.00
		MID	64QAM	19.15	19.32	19.41	20.00
		HIGH	64QAM	19.29	19.38	19.43	20.00
	15	LOW	64QAM	19.29	19.39	19.48	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	22.12	22.35	22.30	23.00
		MID	QPSK	22.50	**22.52**	22.44	23.00
		HIGH	QPSK	22.26	22.15	22.11	23.00
	12	LOW	QPSK	21.23	21.50	21.32	22.00
		MID	QPSK	21.33	21.36	21.47	22.00
		HIGH	QPSK	21.18	21.33	21.56	22.00
	25	LOW	QPSK	21.35	21.35	21.47	22.00
5	1	LOW	Q16	21.65	21.65	21.54	22.00
		MID	Q16	21.95	21.85	21.68	22.00
		HIGH	Q16	21.79	21.83	21.56	22.00
	12	LOW	Q16	20.32	20.51	20.58	21.00
		MID	Q16	20.16	20.53	20.21	21.00
		HIGH	Q16	20.28	20.31	20.56	21.00
	25	LOW	Q16	20.33	20.45	20.39	21.00
5	1	LOW	64QAM	20.84	20.71	20.68	21.00
		MID	64QAM	20.72	20.83	20.84	21.00
		HIGH	64QAM	20.65	20.62	20.70	21.00
	12	LOW	64QAM	19.21	19.55	19.52	20.00
		MID	64QAM	19.42	19.39	19.27	20.00
		HIGH	64QAM	19.23	19.44	19.32	20.00
	25	LOW	64QAM	19.11	19.27	19.41	20.00

LTE B66-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	22.34	22.21	22.17	23.00
		MID	QPSK	22.50	**22.56**	22.23	23.00
		HIGH	QPSK	22.18	22.26	22.01	23.00
	25	LOW	QPSK	21.13	21.32	21.58	22.00
		MID	QPSK	21.36	21.43	21.40	22.00
		HIGH	QPSK	21.12	21.53	21.45	22.00
	50	LOW	QPSK	21.26	21.37	21.43	22.00
10	1	LOW	Q16	21.65	21.83	21.65	22.00
		MID	Q16	21.96	21.78	21.84	22.00
		HIGH	Q16	21.76	21.80	21.57	22.00
	25	LOW	Q16	20.28	20.33	20.44	21.00
		MID	Q16	20.40	20.54	20.24	21.00
		HIGH	Q16	20.17	20.35	20.29	21.00
	50	LOW	Q16	20.21	20.43	20.41	21.00
10	1	LOW	64QAM	20.78	20.86	20.63	21.00
		MID	64QAM	20.94	20.86	20.64	21.00
		HIGH	64QAM	20.81	20.56	20.53	21.00
	25	LOW	64QAM	19.23	19.41	19.52	20.00
		MID	64QAM	19.39	19.51	19.20	20.00
		HIGH	64QAM	19.15	19.52	19.40	20.00
	50	LOW	64QAM	19.28	19.45	19.57	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	22.14	22.37	22.33	23.00
		MID	QPSK	22.36	**22.55**	22.22	23.00
		HIGH	QPSK	22.09	22.11	22.05	23.00
	36	LOW	QPSK	21.30	21.52	21.51	22.00
		MID	QPSK	21.24	21.44	21.41	22.00
		HIGH	QPSK	21.37	21.38	21.42	22.00
	75	LOW	QPSK	21.34	21.54	21.35	22.00
15	1	LOW	Q16	21.66	21.72	21.75	22.00
		MID	Q16	21.74	21.87	21.75	22.00
		HIGH	Q16	21.79	21.75	21.54	22.00
	36	LOW	Q16	20.06	20.49	20.37	21.00
		MID	Q16	20.14	20.53	20.31	21.00
		HIGH	Q16	20.20	20.36	20.44	21.00
	75	LOW	Q16	20.17	20.57	20.45	21.00
15	1	LOW	64QAM	20.83	20.81	20.70	21.00
		MID	64QAM	20.77	20.79	20.72	21.00
		HIGH	64QAM	20.88	20.61	20.69	21.00
	36	LOW	64QAM	19.30	19.53	19.33	20.00
		MID	64QAM	19.19	19.40	19.36	20.00
		HIGH	64QAM	19.23	19.33	19.39	20.00
	75	LOW	64QAM	19.35	19.50	19.35	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	22.25	22.36	22.25	23.00
		MID	QPSK	22.36	**22.44**	22.35	23.00
		HIGH	QPSK	22.22	22.22	22.10	23.00
	50	LOW	QPSK	21.19	21.43	21.46	22.00
		MID	QPSK	21.29	21.43	21.39	22.00
		HIGH	QPSK	21.25	21.47	21.45	22.00
	100	LOW	QPSK	21.23	21.43	21.45	22.00
20	1	LOW	Q16	21.69	21.75	21.68	22.00
		MID	Q16	21.86	21.91	21.77	22.00
		HIGH	Q16	21.76	21.69	21.55	22.00
	50	LOW	Q16	20.18	20.44	20.46	21.00
		MID	Q16	20.28	20.44	20.35	21.00
		HIGH	Q16	20.24	20.45	20.41	21.00
	100	LOW	Q16	20.22	20.42	20.44	21.00
20	1	LOW	64QAM	20.65	20.62	20.59	21.00
		MID	64QAM	20.81	20.98	20.73	21.00
		HIGH	64QAM	20.68	20.69	20.40	21.00
	50	LOW	64QAM	19.24	19.52	19.33	20.00
		MID	64QAM	19.15	19.34	19.27	20.00
		HIGH	64QAM	19.09	19.59	19.40	20.00
	100	LOW	64QAM	19.19	19.30	19.51	20.00

LTE B66-Level1&2&3&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.20	22.34	22.22	23.00
		MID	QPSK	22.20	22.35	22.23	23.00
		HIGH	QPSK	22.23	**22.38**	22.24	23.00
	3	LOW	QPSK	22.26	22.37	22.29	23.00
		MID	QPSK	22.29	22.36	22.33	23.00
		HIGH	QPSK	22.26	22.36	22.31	23.00
	6	LOW	QPSK	21.23	21.40	21.29	22.00
1.4	1	LOW	Q16	21.37	21.77	21.30	22.00
		MID	Q16	21.40	21.74	21.32	22.00
		HIGH	Q16	21.39	21.78	21.33	22.00
	3	LOW	Q16	21.29	21.56	21.45	22.00
		MID	Q16	21.29	21.50	21.44	22.00
		HIGH	Q16	21.30	21.51	21.43	22.00
	6	LOW	Q16	20.35	20.29	20.43	21.00
1.4	1	LOW	64QAM	20.52	20.63	20.27	21.00
		MID	64QAM	20.42	20.61	20.38	21.00
		HIGH	64QAM	20.54	20.66	20.43	21.00
	3	LOW	64QAM	20.23	20.41	20.37	21.00
		MID	64QAM	20.24	20.49	20.46	21.00
		HIGH	64QAM	20.33	20.65	20.33	21.00
	6	LOW	64QAM	19.24	19.27	19.38	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	22.40	**22.48**	22.19	23.00
		MID	QPSK	22.28	22.31	22.20	23.00
		HIGH	QPSK	22.11	22.35	22.02	23.00
	8	LOW	QPSK	21.29	21.29	21.40	22.00
		MID	QPSK	21.20	21.49	21.26	22.00
		HIGH	QPSK	21.34	21.43	21.54	22.00
	15	LOW	QPSK	21.10	21.49	21.56	22.00
3	1	LOW	Q16	21.69	21.90	21.61	22.00
		MID	Q16	21.82	21.78	21.67	22.00
		HIGH	Q16	21.75	21.81	21.59	22.00
	8	LOW	Q16	20.28	20.52	20.43	21.00
		MID	Q16	20.24	20.55	20.38	21.00
		HIGH	Q16	20.21	20.34	20.27	21.00
	15	LOW	Q16	20.14	20.41	20.34	21.00
3	1	LOW	64QAM	20.73	20.67	20.53	21.00
		MID	64QAM	21.00	20.84	20.88	21.00
		HIGH	64QAM	20.74	20.65	20.42	21.00
	8	LOW	64QAM	19.16	19.41	19.47	20.00
		MID	64QAM	19.15	19.32	19.41	20.00
		HIGH	64QAM	19.29	19.38	19.43	20.00
	15	LOW	64QAM	19.29	19.39	19.48	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	22.12	22.35	22.30	23.00
		MID	QPSK	22.50	**22.52**	22.44	23.00
		HIGH	QPSK	22.26	22.15	22.11	23.00
	12	LOW	QPSK	21.23	21.50	21.32	22.00
		MID	QPSK	21.33	21.36	21.47	22.00
		HIGH	QPSK	21.18	21.33	21.56	22.00
	25	LOW	QPSK	21.35	21.35	21.47	22.00
5	1	LOW	Q16	21.65	21.65	21.54	22.00
		MID	Q16	21.95	21.85	21.68	22.00
		HIGH	Q16	21.79	21.83	21.56	22.00
	12	LOW	Q16	20.32	20.51	20.58	21.00
		MID	Q16	20.16	20.53	20.21	21.00
		HIGH	Q16	20.28	20.31	20.56	21.00
	25	LOW	Q16	20.33	20.45	20.39	21.00
5	1	LOW	64QAM	20.84	20.71	20.68	21.00
		MID	64QAM	20.72	20.83	20.84	21.00
		HIGH	64QAM	20.65	20.62	20.70	21.00
	12	LOW	64QAM	19.21	19.55	19.52	20.00
		MID	64QAM	19.42	19.39	19.27	20.00
		HIGH	64QAM	19.23	19.44	19.32	20.00
	25	LOW	64QAM	19.11	19.27	19.41	20.00

LTE B66-Level1&2&3&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	22.34	22.21	22.17	23.00
		MID	QPSK	22.50	**22.56**	22.23	23.00
		HIGH	QPSK	22.18	22.26	22.01	23.00
	25	LOW	QPSK	21.13	21.32	21.58	22.00
		MID	QPSK	21.36	21.43	21.40	22.00
		HIGH	QPSK	21.12	21.53	21.45	22.00
	50	LOW	QPSK	21.26	21.37	21.43	22.00
10	1	LOW	Q16	21.65	21.83	21.65	22.00
		MID	Q16	21.96	21.78	21.84	22.00
		HIGH	Q16	21.76	21.80	21.57	22.00
	25	LOW	Q16	20.28	20.33	20.44	21.00
		MID	Q16	20.40	20.54	20.24	21.00
		HIGH	Q16	20.17	20.35	20.29	21.00
	50	LOW	Q16	20.21	20.43	20.41	21.00
10	1	LOW	64QAM	20.78	20.86	20.63	21.00
		MID	64QAM	20.94	20.86	20.64	21.00
		HIGH	64QAM	20.81	20.56	20.53	21.00
	25	LOW	64QAM	19.23	19.41	19.52	20.00
		MID	64QAM	19.39	19.51	19.20	20.00
		HIGH	64QAM	19.15	19.52	19.40	20.00
	50	LOW	64QAM	19.28	19.45	19.57	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	22.14	22.37	22.33	23.00
		MID	QPSK	22.36	**22.55**	22.22	23.00
		HIGH	QPSK	22.09	22.11	22.05	23.00
	36	LOW	QPSK	21.30	21.52	21.51	22.00
		MID	QPSK	21.24	21.44	21.41	22.00
		HIGH	QPSK	21.37	21.38	21.42	22.00
	75	LOW	QPSK	21.34	21.54	21.35	22.00
15	1	LOW	Q16	21.66	21.72	21.75	22.00
		MID	Q16	21.74	21.87	21.75	22.00
		HIGH	Q16	21.79	21.75	21.54	22.00
	36	LOW	Q16	20.06	20.49	20.37	21.00
		MID	Q16	20.14	20.53	20.31	21.00
		HIGH	Q16	20.20	20.36	20.44	21.00
	75	LOW	Q16	20.17	20.57	20.45	21.00
15	1	LOW	64QAM	20.83	20.81	20.70	21.00
		MID	64QAM	20.77	20.79	20.72	21.00
		HIGH	64QAM	20.88	20.61	20.69	21.00
	36	LOW	64QAM	19.30	19.53	19.33	20.00
		MID	64QAM	19.19	19.40	19.36	20.00
		HIGH	64QAM	19.23	19.33	19.39	20.00
	75	LOW	64QAM	19.35	19.50	19.35	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	22.25	22.36	22.25	23.00
		MID	QPSK	22.36	**22.44**	22.35	23.00
		HIGH	QPSK	22.22	22.22	22.10	23.00
	50	LOW	QPSK	21.19	21.43	21.46	22.00
		MID	QPSK	21.29	21.43	21.39	22.00
		HIGH	QPSK	21.25	21.47	21.45	22.00
	100	LOW	QPSK	21.23	21.43	21.45	22.00
20	1	LOW	Q16	21.69	21.75	21.68	22.00
		MID	Q16	21.86	21.91	21.77	22.00
		HIGH	Q16	21.76	21.69	21.55	22.00
	50	LOW	Q16	20.18	20.44	20.46	21.00
		MID	Q16	20.28	20.44	20.35	21.00
		HIGH	Q16	20.24	20.45	20.41	21.00
	100	LOW	Q16	20.22	20.42	20.44	21.00
20	1	LOW	64QAM	20.65	20.62	20.59	21.00
		MID	64QAM	20.81	20.98	20.73	21.00
		HIGH	64QAM	20.68	20.69	20.40	21.00
	50	LOW	64QAM	19.24	19.52	19.33	20.00
		MID	64QAM	19.15	19.34	19.27	20.00
		HIGH	64QAM	19.09	19.59	19.40	20.00
	100	LOW	64QAM	19.19	19.30	19.51	20.00

8.3.7 LTE Band66 Output Power

LTE B66-Full Power -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.20	22.34	22.22	23.00
		MID	QPSK	22.20	22.35	22.23	23.00
		HIGH	QPSK	22.23	**22.38**	22.24	23.00
	3	LOW	QPSK	22.26	22.37	22.29	23.00
		MID	QPSK	22.29	22.36	22.33	23.00
		HIGH	QPSK	22.26	22.36	22.31	23.00
	6	LOW	QPSK	21.23	21.40	21.29	22.00
1.4	1	LOW	Q16	21.37	21.77	21.30	22.00
		MID	Q16	21.40	21.74	21.32	22.00
		HIGH	Q16	21.39	21.78	21.33	22.00
	3	LOW	Q16	21.29	21.56	21.45	22.00
		MID	Q16	21.29	21.50	21.44	22.00
		HIGH	Q16	21.30	21.51	21.43	22.00
	6	LOW	Q16	20.35	20.29	20.43	21.00
1.4	1	LOW	64QAM	20.52	20.63	20.27	21.00
		MID	64QAM	20.42	20.61	20.38	21.00
		HIGH	64QAM	20.54	20.66	20.43	21.00
	3	LOW	64QAM	20.23	20.41	20.37	21.00
		MID	64QAM	20.24	20.49	20.46	21.00
		HIGH	64QAM	20.33	20.65	20.33	21.00
	6	LOW	64QAM	19.24	19.27	19.38	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	22.40	**22.48**	22.19	23.00
		MID	QPSK	22.28	22.31	22.20	23.00
		HIGH	QPSK	22.11	22.35	22.02	23.00
	8	LOW	QPSK	21.29	21.29	21.40	22.00
		MID	QPSK	21.20	21.49	21.26	22.00
		HIGH	QPSK	21.34	21.43	21.54	22.00
	15	LOW	QPSK	21.10	21.49	21.56	22.00
3	1	LOW	Q16	21.69	21.90	21.61	22.00
		MID	Q16	21.82	21.78	21.67	22.00
		HIGH	Q16	21.75	21.81	21.59	22.00
	8	LOW	Q16	20.28	20.52	20.43	21.00
		MID	Q16	20.24	20.55	20.38	21.00
		HIGH	Q16	20.21	20.34	20.27	21.00
	15	LOW	Q16	20.14	20.41	20.34	21.00
3	1	LOW	64QAM	20.73	20.67	20.53	21.00
		MID	64QAM	21.00	20.84	20.88	21.00
		HIGH	64QAM	20.74	20.65	20.42	21.00
	8	LOW	64QAM	19.16	19.41	19.47	20.00
		MID	64QAM	19.15	19.32	19.41	20.00
		HIGH	64QAM	19.29	19.38	19.43	20.00
	15	LOW	64QAM	19.29	19.39	19.48	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	22.12	22.35	22.30	23.00
		MID	QPSK	22.50	**22.52**	22.44	23.00
		HIGH	QPSK	22.26	22.15	22.11	23.00
	12	LOW	QPSK	21.23	21.50	21.32	22.00
		MID	QPSK	21.33	21.36	21.47	22.00
		HIGH	QPSK	21.18	21.33	21.56	22.00
	25	LOW	QPSK	21.35	21.35	21.47	22.00
5	1	LOW	Q16	21.65	21.65	21.54	22.00
		MID	Q16	21.95	21.85	21.68	22.00
		HIGH	Q16	21.79	21.83	21.56	22.00
	12	LOW	Q16	20.32	20.51	20.58	21.00
		MID	Q16	20.16	20.53	20.21	21.00
		HIGH	Q16	20.28	20.31	20.56	21.00
	25	LOW	Q16	20.33	20.45	20.39	21.00
5	1	LOW	64QAM	20.84	20.71	20.68	21.00
		MID	64QAM	20.72	20.83	20.84	21.00
		HIGH	64QAM	20.65	20.62	20.70	21.00
	12	LOW	64QAM	19.21	19.55	19.52	20.00
		MID	64QAM	19.42	19.39	19.27	20.00
		HIGH	64QAM	19.23	19.44	19.32	20.00
	25	LOW	64QAM	19.11	19.27	19.41	20.00

LTE B66-Full Power -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	22.34	22.21	22.17	23.00
		MID	QPSK	22.50	**22.56**	22.23	23.00
		HIGH	QPSK	22.18	22.26	22.01	23.00
	25	LOW	QPSK	21.13	21.32	21.58	22.00
		MID	QPSK	21.36	21.43	21.40	22.00
		HIGH	QPSK	21.12	21.53	21.45	22.00
	50	LOW	QPSK	21.26	21.37	21.43	22.00
10	1	LOW	Q16	21.65	21.83	21.65	22.00
		MID	Q16	21.96	21.78	21.84	22.00
		HIGH	Q16	21.76	21.80	21.57	22.00
	25	LOW	Q16	20.28	20.33	20.44	21.00
		MID	Q16	20.40	20.54	20.24	21.00
		HIGH	Q16	20.17	20.35	20.29	21.00
	50	LOW	Q16	20.21	20.43	20.41	21.00
10	1	LOW	64QAM	20.78	20.86	20.63	21.00
		MID	64QAM	20.94	20.86	20.64	21.00
		HIGH	64QAM	20.81	20.56	20.53	21.00
	25	LOW	64QAM	19.23	19.41	19.52	20.00
		MID	64QAM	19.39	19.51	19.20	20.00
		HIGH	64QAM	19.15	19.52	19.40	20.00
	50	LOW	64QAM	19.28	19.45	19.57	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	22.14	22.37	22.33	23.00
		MID	QPSK	22.36	**22.55**	22.22	23.00
		HIGH	QPSK	22.09	22.11	22.05	23.00
	36	LOW	QPSK	21.30	21.52	21.51	22.00
		MID	QPSK	21.24	21.44	21.41	22.00
		HIGH	QPSK	21.37	21.38	21.42	22.00
	75	LOW	QPSK	21.34	21.54	21.35	22.00
15	1	LOW	Q16	21.66	21.72	21.75	22.00
		MID	Q16	21.74	21.87	21.75	22.00
		HIGH	Q16	21.79	21.75	21.54	22.00
	36	LOW	Q16	20.06	20.49	20.37	21.00
		MID	Q16	20.14	20.53	20.31	21.00
		HIGH	Q16	20.20	20.36	20.44	21.00
	75	LOW	Q16	20.17	20.57	20.45	21.00
15	1	LOW	64QAM	20.83	20.81	20.70	21.00
		MID	64QAM	20.77	20.79	20.72	21.00
		HIGH	64QAM	20.88	20.61	20.69	21.00
	36	LOW	64QAM	19.30	19.53	19.33	20.00
		MID	64QAM	19.19	19.40	19.36	20.00
		HIGH	64QAM	19.23	19.33	19.39	20.00
	75	LOW	64QAM	19.35	19.50	19.35	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	22.25	22.36	22.25	23.00
		MID	QPSK	22.36	**22.44**	22.35	23.00
		HIGH	QPSK	22.22	22.22	22.10	23.00
	50	LOW	QPSK	21.19	21.43	21.46	22.00
		MID	QPSK	21.29	21.43	21.39	22.00
		HIGH	QPSK	21.25	21.47	21.45	22.00
	100	LOW	QPSK	21.23	21.43	21.45	22.00
20	1	LOW	Q16	21.69	21.75	21.68	22.00
		MID	Q16	21.86	21.91	21.77	22.00
		HIGH	Q16	21.76	21.69	21.55	22.00
	50	LOW	Q16	20.18	20.44	20.46	21.00
		MID	Q16	20.28	20.44	20.35	21.00
		HIGH	Q16	20.24	20.45	20.41	21.00
	100	LOW	Q16	20.22	20.42	20.44	21.00
20	1	LOW	64QAM	20.65	20.62	20.59	21.00
		MID	64QAM	20.81	20.98	20.73	21.00
		HIGH	64QAM	20.68	20.69	20.40	21.00
	50	LOW	64QAM	19.24	19.52	19.33	20.00
		MID	64QAM	19.15	19.34	19.27	20.00
		HIGH	64QAM	19.09	19.59	19.40	20.00
	100	LOW	64QAM	19.19	19.30	19.51	20.00

LTE B66-Level1&2&3 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.20	22.34	22.22	23.00
		MID	QPSK	22.20	22.35	22.23	23.00
		HIGH	QPSK	22.23	**22.38**	22.24	23.00
	3	LOW	QPSK	22.26	22.37	22.29	23.00
		MID	QPSK	22.29	22.36	22.33	23.00
		HIGH	QPSK	22.26	22.36	22.31	23.00
	6	LOW	QPSK	21.23	21.40	21.29	22.00
1.4	1	LOW	Q16	21.37	21.77	21.30	22.00
		MID	Q16	21.40	21.74	21.32	22.00
		HIGH	Q16	21.39	21.78	21.33	22.00
	3	LOW	Q16	21.29	21.56	21.45	22.00
		MID	Q16	21.29	21.50	21.44	22.00
		HIGH	Q16	21.30	21.51	21.43	22.00
	6	LOW	Q16	20.35	20.29	20.43	21.00
1.4	1	LOW	64QAM	20.52	20.63	20.27	21.00
		MID	64QAM	20.42	20.61	20.38	21.00
		HIGH	64QAM	20.54	20.66	20.43	21.00
	3	LOW	64QAM	20.23	20.41	20.37	21.00
		MID	64QAM	20.24	20.49	20.46	21.00
		HIGH	64QAM	20.33	20.65	20.33	21.00
	6	LOW	64QAM	19.24	19.27	19.38	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	22.40	**22.48**	22.19	23.00
		MID	QPSK	22.28	22.31	22.20	23.00
		HIGH	QPSK	22.11	22.35	22.02	23.00
	8	LOW	QPSK	21.29	21.29	21.40	22.00
		MID	QPSK	21.20	21.49	21.26	22.00
		HIGH	QPSK	21.34	21.43	21.54	22.00
	15	LOW	QPSK	21.10	21.49	21.56	22.00
3	1	LOW	Q16	21.69	21.90	21.61	22.00
		MID	Q16	21.82	21.78	21.67	22.00
		HIGH	Q16	21.75	21.81	21.59	22.00
	8	LOW	Q16	20.28	20.52	20.43	21.00
		MID	Q16	20.24	20.55	20.38	21.00
		HIGH	Q16	20.21	20.34	20.27	21.00
	15	LOW	Q16	20.14	20.41	20.34	21.00
3	1	LOW	64QAM	20.73	20.67	20.53	21.00
		MID	64QAM	21.00	20.84	20.88	21.00
		HIGH	64QAM	20.74	20.65	20.42	21.00
	8	LOW	64QAM	19.16	19.41	19.47	20.00
		MID	64QAM	19.15	19.32	19.41	20.00
		HIGH	64QAM	19.29	19.38	19.43	20.00
	15	LOW	64QAM	19.29	19.39	19.48	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	22.12	22.35	22.30	23.00
		MID	QPSK	22.50	**22.52**	22.44	23.00
		HIGH	QPSK	22.26	22.15	22.11	23.00
	12	LOW	QPSK	21.23	21.50	21.32	22.00
		MID	QPSK	21.33	21.36	21.47	22.00
		HIGH	QPSK	21.18	21.33	21.56	22.00
	25	LOW	QPSK	21.35	21.35	21.47	22.00
5	1	LOW	Q16	21.65	21.65	21.54	22.00
		MID	Q16	21.95	21.85	21.68	22.00
		HIGH	Q16	21.79	21.83	21.56	22.00
	12	LOW	Q16	20.32	20.51	20.58	21.00
		MID	Q16	20.16	20.53	20.21	21.00
		HIGH	Q16	20.28	20.31	20.56	21.00
	25	LOW	Q16	20.33	20.45	20.39	21.00
5	1	LOW	64QAM	20.84	20.71	20.68	21.00
		MID	64QAM	20.72	20.83	20.84	21.00
		HIGH	64QAM	20.65	20.62	20.70	21.00
	12	LOW	64QAM	19.21	19.55	19.52	20.00
		MID	64QAM	19.42	19.39	19.27	20.00
		HIGH	64QAM	19.23	19.44	19.32	20.00
	25	LOW	64QAM	19.11	19.27	19.41	20.00

LTE B66-Level1&2&3 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	22.34	22.21	22.17	23.00
		MID	QPSK	22.50	**22.56**	22.23	23.00
		HIGH	QPSK	22.18	22.26	22.01	23.00
	25	LOW	QPSK	21.13	21.32	21.58	22.00
		MID	QPSK	21.36	21.43	21.40	22.00
		HIGH	QPSK	21.12	21.53	21.45	22.00
	50	LOW	QPSK	21.26	21.37	21.43	22.00
10	1	LOW	Q16	21.65	21.83	21.65	22.00
		MID	Q16	21.96	21.78	21.84	22.00
		HIGH	Q16	21.76	21.80	21.57	22.00
	25	LOW	Q16	20.28	20.33	20.44	21.00
		MID	Q16	20.40	20.54	20.24	21.00
		HIGH	Q16	20.17	20.35	20.29	21.00
	50	LOW	Q16	20.21	20.43	20.41	21.00
10	1	LOW	64QAM	20.78	20.86	20.63	21.00
		MID	64QAM	20.94	20.86	20.64	21.00
		HIGH	64QAM	20.81	20.56	20.53	21.00
	25	LOW	64QAM	19.23	19.41	19.52	20.00
		MID	64QAM	19.39	19.51	19.20	20.00
		HIGH	64QAM	19.15	19.52	19.40	20.00
	50	LOW	64QAM	19.28	19.45	19.57	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	22.14	22.37	22.33	23.00
		MID	QPSK	22.36	**22.55**	22.22	23.00
		HIGH	QPSK	22.09	22.11	22.05	23.00
	36	LOW	QPSK	21.30	21.52	21.51	22.00
		MID	QPSK	21.24	21.44	21.41	22.00
		HIGH	QPSK	21.37	21.38	21.42	22.00
	75	LOW	QPSK	21.34	21.54	21.35	22.00
15	1	LOW	Q16	21.66	21.72	21.75	22.00
		MID	Q16	21.74	21.87	21.75	22.00
		HIGH	Q16	21.79	21.75	21.54	22.00
	36	LOW	Q16	20.06	20.49	20.37	21.00
		MID	Q16	20.14	20.53	20.31	21.00
		HIGH	Q16	20.20	20.36	20.44	21.00
	75	LOW	Q16	20.17	20.57	20.45	21.00
15	1	LOW	64QAM	20.83	20.81	20.70	21.00
		MID	64QAM	20.77	20.79	20.72	21.00
		HIGH	64QAM	20.88	20.61	20.69	21.00
	36	LOW	64QAM	19.30	19.53	19.33	20.00
		MID	64QAM	19.19	19.40	19.36	20.00
		HIGH	64QAM	19.23	19.33	19.39	20.00
	75	LOW	64QAM	19.35	19.50	19.35	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	22.25	22.36	22.25	23.00
		MID	QPSK	22.36	**22.44**	22.35	23.00
		HIGH	QPSK	22.22	22.22	22.10	23.00
	50	LOW	QPSK	21.19	21.43	21.46	22.00
		MID	QPSK	21.29	21.43	21.39	22.00
		HIGH	QPSK	21.25	21.47	21.45	22.00
	100	LOW	QPSK	21.23	21.43	21.45	22.00
20	1	LOW	Q16	21.69	21.75	21.68	22.00
		MID	Q16	21.86	21.91	21.77	22.00
		HIGH	Q16	21.76	21.69	21.55	22.00
	50	LOW	Q16	20.18	20.44	20.46	21.00
		MID	Q16	20.28	20.44	20.35	21.00
		HIGH	Q16	20.24	20.45	20.41	21.00
	100	LOW	Q16	20.22	20.42	20.44	21.00
20	1	LOW	64QAM	20.65	20.62	20.59	21.00
		MID	64QAM	20.81	20.98	20.73	21.00
		HIGH	64QAM	20.68	20.69	20.40	21.00
	50	LOW	64QAM	19.24	19.52	19.33	20.00
		MID	64QAM	19.15	19.34	19.27	20.00
		HIGH	64QAM	19.09	19.59	19.40	20.00
	100	LOW	64QAM	19.19	19.30	19.51	20.00

LTE B66-Level4 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.61	20.64	20.56	21.50
		MID	QPSK	20.47	20.86	20.60	21.50
		HIGH	QPSK	20.78	20.72	20.68	21.50
	3	LOW	QPSK	20.71	20.64	20.66	21.50
		MID	QPSK	20.82	20.74	20.74	21.50
		HIGH	QPSK	20.52	20.74	20.86	21.50
	6	LOW	QPSK	20.59	20.82	20.72	21.50
1.4	1	LOW	Q16	20.65	21.14	20.72	21.50
		MID	Q16	20.79	21.18	20.66	21.50
		HIGH	Q16	20.71	21.06	20.59	21.50
	3	LOW	Q16	20.57	21.03	20.96	21.50
		MID	Q16	20.79	20.92	20.88	21.50
		HIGH	Q16	20.60	20.82	20.79	21.50
	6	LOW	Q16	20.34	20.22	20.45	21.00
1.4	1	LOW	64QAM	20.34	20.62	20.15	21.00
		MID	64QAM	20.25	20.37	20.31	21.00
		HIGH	64QAM	20.49	20.59	20.24	21.00
	3	LOW	64QAM	20.19	20.30	20.40	21.00
		MID	64QAM	20.21	20.41	20.36	21.00
		HIGH	64QAM	20.33	20.45	20.19	21.00
	6	LOW	64QAM	19.05	19.31	19.38	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	20.75	20.75	20.45	21.50
		MID	QPSK	20.58	20.66	20.72	21.50
		HIGH	QPSK	20.50	20.88	20.51	21.50
	8	LOW	QPSK	20.71	20.63	20.92	21.50
		MID	QPSK	20.47	20.84	20.55	21.50
		HIGH	QPSK	20.77	20.93	20.87	21.50
	15	LOW	QPSK	20.61	20.99	20.86	21.50
3	1	LOW	Q16	21.16	21.30	20.89	21.50
		MID	Q16	21.36	21.24	21.05	21.50
		HIGH	Q16	21.01	21.12	20.93	21.50
	8	LOW	Q16	20.28	20.56	20.23	21.00
		MID	Q16	20.07	20.59	20.40	21.00
		HIGH	Q16	20.04	20.38	20.09	21.00
	15	LOW	Q16	19.91	20.41	20.12	21.00
3	1	LOW	64QAM	20.52	20.53	20.36	21.00
		MID	64QAM	20.99	20.88	20.89	21.00
		HIGH	64QAM	20.72	20.70	20.37	21.00
	8	LOW	64QAM	19.04	19.26	19.50	20.00
		MID	64QAM	18.95	19.18	19.29	20.00
		HIGH	64QAM	19.07	19.28	19.23	20.00
	15	LOW	64QAM	19.29	19.39	19.38	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	20.61	20.79	20.85	21.50
		MID	QPSK	21.03	20.82	20.70	21.50
		HIGH	QPSK	20.64	20.62	20.59	21.50
	12	LOW	QPSK	20.53	20.81	20.62	21.50
		MID	QPSK	20.70	20.88	20.78	21.50
		HIGH	QPSK	20.68	20.60	20.96	21.50
	25	LOW	QPSK	20.69	20.62	20.80	21.50
5	1	LOW	Q16	20.93	21.15	20.98	21.50
		MID	Q16	21.29	21.25	21.18	21.50
		HIGH	Q16	21.31	21.19	21.08	21.50
	12	LOW	Q16	20.36	20.42	20.58	21.00
		MID	Q16	19.96	20.32	20.20	21.00
		HIGH	Q16	20.18	20.18	20.58	21.00
	25	LOW	Q16	20.13	20.48	20.19	21.00
5	1	LOW	64QAM	20.73	20.75	20.53	21.00
		MID	64QAM	20.54	20.66	20.87	21.00
		HIGH	64QAM	20.67	20.53	20.72	21.00
	12	LOW	64QAM	19.02	19.38	19.37	20.00
		MID	64QAM	19.37	19.31	19.09	20.00
		HIGH	64QAM	19.27	19.28	19.24	20.00
	25	LOW	64QAM	18.98	19.28	19.37	20.00

LTE B66-Level4 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	20.81	20.67	20.68	21.50
		MID	QPSK	20.83	20.87	20.77	21.50
		HIGH	QPSK	20.51	20.52	20.38	21.50
	25	LOW	QPSK	20.45	20.59	21.03	21.50
		MID	QPSK	20.62	20.97	20.79	21.50
		HIGH	QPSK	20.44	20.98	20.78	21.50
	50	LOW	QPSK	20.65	20.81	20.92	21.50
10	1	LOW	Q16	21.10	21.10	21.07	21.50
		MID	Q16	21.44	21.32	21.27	21.50
		HIGH	Q16	21.19	21.10	20.97	21.50
	25	LOW	Q16	20.20	20.22	20.20	21.00
		MID	Q16	20.32	20.36	20.25	21.00
		HIGH	Q16	19.98	20.37	20.07	21.00
	50	LOW	Q16	19.98	20.20	20.18	21.00
10	1	LOW	64QAM	20.69	20.70	20.43	21.00
		MID	64QAM	20.72	20.69	20.46	21.00
		HIGH	64QAM	20.73	20.32	20.37	21.00
	25	LOW	64QAM	19.15	19.26	19.48	20.00
		MID	64QAM	19.26	19.45	19.24	20.00
		HIGH	64QAM	18.98	19.54	19.18	20.00
	50	LOW	64QAM	19.33	19.36	19.38	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	20.44	20.84	20.75	21.50
		MID	QPSK	20.85	21.09	20.70	21.50
		HIGH	QPSK	20.54	20.56	20.39	21.50
	36	LOW	QPSK	20.60	20.91	20.93	21.50
		MID	QPSK	20.60	20.78	20.94	21.50
		HIGH	QPSK	20.88	20.71	20.93	21.50
	75	LOW	QPSK	20.78	20.82	20.80	21.50
15	1	LOW	Q16	21.10	21.10	21.23	21.50
		MID	Q16	21.19	21.28	21.19	21.50
		HIGH	Q16	21.19	21.14	20.83	21.50
	36	LOW	Q16	20.11	20.52	20.34	21.00
		MID	Q16	19.94	20.55	20.22	21.00
		HIGH	Q16	20.06	20.19	20.24	21.00
	75	LOW	Q16	20.18	20.54	20.34	21.00
15	1	LOW	64QAM	20.81	20.67	20.51	21.00
		MID	64QAM	20.80	20.69	20.61	21.00
		HIGH	64QAM	20.66	20.39	20.64	21.00
	36	LOW	64QAM	19.33	19.45	19.32	20.00
		MID	64QAM	19.21	19.27	19.18	20.00
		HIGH	64QAM	19.21	19.14	19.31	20.00
	75	LOW	64QAM	19.37	19.33	19.18	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	20.56	20.67	20.73	21.50
		MID	QPSK	20.89	20.71	20.84	21.50
		HIGH	QPSK	20.70	20.53	20.64	21.50
	50	LOW	QPSK	20.58	20.90	20.91	21.50
		MID	QPSK	20.58	20.75	20.81	21.50
		HIGH	QPSK	20.54	20.76	20.86	21.50
	100	LOW	QPSK	20.60	20.70	20.71	21.50
20	1	LOW	Q16	21.22	21.20	21.10	21.50
		MID	Q16	21.20	21.42	21.21	21.50
		HIGH	Q16	21.14	21.04	20.91	21.50
	50	LOW	Q16	20.21	20.45	20.47	21.00
		MID	Q16	20.20	20.40	20.15	21.00
		HIGH	Q16	20.28	20.37	20.28	21.00
	100	LOW	Q16	20.17	20.41	20.39	21.00
20	1	LOW	64QAM	20.60	20.44	20.46	21.00
		MID	64QAM	20.83	20.99	20.63	21.00
		HIGH	64QAM	20.65	20.50	20.44	21.00
	50	LOW	64QAM	19.04	19.28	19.18	20.00
		MID	64QAM	19.01	19.26	19.14	20.00
		HIGH	64QAM	19.10	19.55	19.26	20.00
	100	LOW	64QAM	19.06	19.19	19.50	20.00

8.3.8 LTE Band38 Output Power

LTE B38-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	22.58	22.69	**22.72**	23.50
		MID	QPSK	22.56	22.59	22.64	23.50
		HIGH	QPSK	22.60	22.64	22.71	23.50
	12	LOW	QPSK	21.71	21.74	21.74	22.50
		MID	QPSK	21.61	21.69	21.71	22.50
		HIGH	QPSK	21.67	21.70	21.66	22.50
	25	LOW	QPSK	21.68	21.71	21.73	22.50
5	1	LOW	Q16	21.94	22.09	21.91	22.50
		MID	Q16	21.99	22.08	21.92	22.50
		HIGH	Q16	21.96	22.09	21.96	22.50
	12	LOW	Q16	20.66	20.83	20.76	21.50
		MID	Q16	20.63	20.76	20.72	21.50
		HIGH	Q16	20.60	20.77	20.69	21.50
	25	LOW	Q16	20.66	20.72	20.73	21.50
5	1	LOW	64QAM	20.79	20.78	21.20	21.50
		MID	64QAM	21.03	21.01	21.12	21.50
		HIGH	64QAM	20.82	20.72	21.05	21.50
	12	LOW	64QAM	19.76	19.63	19.67	20.50
		MID	64QAM	19.62	19.81	19.72	20.50
		HIGH	64QAM	19.68	19.55	19.55	20.50
	25	LOW	64QAM	19.52	19.56	19.69	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	22.59	22.64	22.63	23.50
		MID	QPSK	22.58	22.44	**22.71**	23.50
		HIGH	QPSK	22.51	22.50	22.61	23.50
	25	LOW	QPSK	21.67	21.76	21.75	22.50
		MID	QPSK	21.56	21.75	21.65	22.50
		HIGH	QPSK	21.67	21.80	21.52	22.50
	50	LOW	QPSK	21.67	21.75	21.77	22.50
10	1	LOW	Q16	21.92	21.71	22.25	22.50
		MID	Q16	22.11	21.78	22.39	22.50
		HIGH	Q16	21.77	21.92	22.05	22.50
	25	LOW	Q16	20.56	20.79	20.62	21.50
		MID	Q16	20.64	20.67	20.62	21.50
		HIGH	Q16	20.53	20.82	20.66	21.50
	50	LOW	Q16	20.54	20.77	20.66	21.50
10	1	LOW	64QAM	20.81	20.79	21.23	21.50
		MID	64QAM	21.07	20.99	21.35	21.50
		HIGH	64QAM	21.00	20.79	21.12	21.50
	25	LOW	64QAM	19.75	19.88	19.74	20.50
		MID	64QAM	19.64	19.73	19.77	20.50
		HIGH	64QAM	19.55	19.72	19.67	20.50
	50	LOW	64QAM	19.59	19.68	19.61	20.50

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LTE B38-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	22.62	22.56	22.75	23.50
		MID	QPSK	22.43	22.61	**22.79**	23.50
		HIGH	QPSK	22.54	22.46	22.68	23.50
	36	LOW	QPSK	21.67	21.86	21.75	22.50
		MID	QPSK	21.72	21.79	21.62	22.50
		HIGH	QPSK	21.57	21.80	21.71	22.50
	75	LOW	QPSK	21.82	21.64	21.83	22.50
15	1	LOW	Q16	21.96	21.99	22.18	22.50
		MID	Q16	22.04	21.93	22.33	22.50
		HIGH	Q16	21.75	21.92	21.99	22.50
	36	LOW	Q16	20.53	20.86	20.79	21.50
		MID	Q16	20.81	20.69	20.87	21.50
		HIGH	Q16	20.48	20.67	20.61	21.50
	75	LOW	Q16	20.62	20.77	20.58	21.50
15	1	LOW	64QAM	20.76	20.78	21.20	21.50
		MID	64QAM	21.12	20.86	21.31	21.50
		HIGH	64QAM	20.95	20.91	21.15	21.50
	36	LOW	64QAM	19.57	19.74	19.85	20.50
		MID	64QAM	19.70	19.72	19.67	20.50
		HIGH	64QAM	19.48	19.59	19.70	20.50
	75	LOW	64QAM	19.65	19.65	19.60	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	22.47	**22.68**	22.64	23.50
		MID	QPSK	22.51	22.62	22.62	23.50
		HIGH	QPSK	22.46	22.47	22.59	23.50
	50	LOW	QPSK	21.70	21.77	21.76	22.50
		MID	QPSK	21.69	21.70	21.75	22.50
		HIGH	QPSK	21.68	21.66	21.64	22.50
	100	LOW	QPSK	21.69	21.74	21.73	22.50
20	1	LOW	Q16	21.90	21.84	22.15	22.50
		MID	Q16	22.00	21.87	22.27	22.50
		HIGH	Q16	21.89	21.80	22.07	22.50
	50	LOW	Q16	20.64	20.76	20.75	21.50
		MID	Q16	20.67	20.70	20.76	21.50
		HIGH	Q16	20.61	20.67	20.65	21.50
	100	LOW	Q16	20.65	20.68	20.68	21.50
20	1	LOW	64QAM	21.04	20.96	21.25	21.50
		MID	64QAM	21.05	20.90	21.29	21.50
		HIGH	64QAM	21.01	20.92	21.08	21.50
	50	LOW	64QAM	19.57	19.82	19.78	20.50
		MID	64QAM	19.61	19.77	19.73	20.50
		HIGH	64QAM	19.59	19.67	19.77	20.50
	100	LOW	64QAM	19.58	19.56	19.82	20.50

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LTE B38-Level1&2&3&4 -Ant.1							
Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	22.58	22.69	**22.72**	23.50
		MID	QPSK	22.56	22.59	22.64	23.50
		HIGH	QPSK	22.60	22.64	22.71	23.50
	12	LOW	QPSK	21.71	21.74	21.74	22.50
		MID	QPSK	21.61	21.69	21.71	22.50
		HIGH	QPSK	21.67	21.70	21.66	22.50
	25	LOW	QPSK	21.68	21.71	21.73	22.50
5	1	LOW	Q16	21.94	22.09	21.91	22.50
		MID	Q16	21.99	22.08	21.92	22.50
		HIGH	Q16	21.96	22.09	21.96	22.50
	12	LOW	Q16	20.66	20.83	20.76	21.50
		MID	Q16	20.63	20.76	20.72	21.50
		HIGH	Q16	20.60	20.77	20.69	21.50
	25	LOW	Q16	20.66	20.72	20.73	21.50
5	1	LOW	64QAM	20.79	20.78	21.20	21.50
		MID	64QAM	21.03	21.01	21.12	21.50
		HIGH	64QAM	20.82	20.72	21.05	21.50
	12	LOW	64QAM	19.76	19.63	19.67	20.50
		MID	64QAM	19.62	19.81	19.72	20.50
		HIGH	64QAM	19.68	19.55	19.55	20.50
	25	LOW	64QAM	19.52	19.56	19.69	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	22.59	22.64	22.63	23.50
		MID	QPSK	22.58	22.44	**22.71**	23.50
		HIGH	QPSK	22.51	22.50	22.61	23.50
	25	LOW	QPSK	21.67	21.76	21.75	22.50
		MID	QPSK	21.56	21.75	21.65	22.50
		HIGH	QPSK	21.67	21.80	21.52	22.50
	50	LOW	QPSK	21.67	21.75	21.77	22.50
10	1	LOW	Q16	21.92	21.71	22.25	22.50
		MID	Q16	22.11	21.78	22.39	22.50
		HIGH	Q16	21.77	21.92	22.05	22.50
	25	LOW	Q16	20.56	20.79	20.62	21.50
		MID	Q16	20.64	20.67	20.62	21.50
		HIGH	Q16	20.53	20.82	20.66	21.50
	50	LOW	Q16	20.54	20.77	20.66	21.50
10	1	LOW	64QAM	20.81	20.79	21.23	21.50
		MID	64QAM	21.07	20.99	21.35	21.50
		HIGH	64QAM	21.00	20.79	21.12	21.50
	25	LOW	64QAM	19.75	19.88	19.74	20.50
		MID	64QAM	19.64	19.73	19.77	20.50
		HIGH	64QAM	19.55	19.72	19.67	20.50
	50	LOW	64QAM	19.59	19.68	19.61	20.50

LTE B38-Level1&2&3&4 -Ant.1							
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	22.62	22.56	22.75	23.50
		MID	QPSK	22.43	22.61	**22.79**	23.50
		HIGH	QPSK	22.54	22.46	22.68	23.50
	36	LOW	QPSK	21.67	21.86	21.75	22.50
		MID	QPSK	21.72	21.79	21.62	22.50
		HIGH	QPSK	21.57	21.80	21.71	22.50
	75	LOW	QPSK	21.82	21.64	21.83	22.50
15	1	LOW	Q16	21.96	21.99	22.18	22.50
		MID	Q16	22.04	21.93	22.33	22.50
		HIGH	Q16	21.75	21.92	21.99	22.50
	36	LOW	Q16	20.53	20.86	20.79	21.50
		MID	Q16	20.81	20.69	20.87	21.50
		HIGH	Q16	20.48	20.67	20.61	21.50
	75	LOW	Q16	20.62	20.77	20.58	21.50
15	1	LOW	64QAM	20.76	20.78	21.20	21.50
		MID	64QAM	21.12	20.86	21.31	21.50
		HIGH	64QAM	20.95	20.91	21.15	21.50
	36	LOW	64QAM	19.57	19.74	19.85	20.50
		MID	64QAM	19.70	19.72	19.67	20.50
		HIGH	64QAM	19.48	19.59	19.70	20.50
	75	LOW	64QAM	19.65	19.65	19.60	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	22.47	**22.68**	22.64	23.50
		MID	QPSK	22.51	22.62	22.62	23.50
		HIGH	QPSK	22.46	22.47	22.59	23.50
	50	LOW	QPSK	21.70	21.77	21.76	22.50
		MID	QPSK	21.69	21.70	21.75	22.50
		HIGH	QPSK	21.68	21.66	21.64	22.50
	100	LOW	QPSK	21.69	21.74	21.73	22.50
20	1	LOW	Q16	21.90	21.84	22.15	22.50
		MID	Q16	22.00	21.87	22.27	22.50
		HIGH	Q16	21.89	21.80	22.07	22.50
	50	LOW	Q16	20.64	20.76	20.75	21.50
		MID	Q16	20.67	20.70	20.76	21.50
		HIGH	Q16	20.61	20.67	20.65	21.50
	100	LOW	Q16	20.65	20.68	20.68	21.50
20	1	LOW	64QAM	21.04	20.96	21.25	21.50
		MID	64QAM	21.05	20.90	21.29	21.50
		HIGH	64QAM	21.01	20.92	21.08	21.50
	50	LOW	64QAM	19.57	19.82	19.78	20.50
		MID	64QAM	19.61	19.77	19.73	20.50
		HIGH	64QAM	19.59	19.67	19.77	20.50
	100	LOW	64QAM	19.58	19.56	19.82	20.50

8.3.8 LTE Band38 Output Power

LTE B38-Full Power -Ant.1(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	22.58	22.69	**22.72**	23.50
		MID	QPSK	22.56	22.59	22.64	23.50
		HIGH	QPSK	22.60	22.64	22.71	23.50
	12	LOW	QPSK	21.71	21.74	21.74	22.50
		MID	QPSK	21.61	21.69	21.71	22.50
		HIGH	QPSK	21.67	21.70	21.66	22.50
	25	LOW	QPSK	21.68	21.71	21.73	22.50
5	1	LOW	Q16	21.94	22.09	21.91	22.50
		MID	Q16	21.99	22.08	21.92	22.50
		HIGH	Q16	21.96	22.09	21.96	22.50
	12	LOW	Q16	20.66	20.83	20.76	21.50
		MID	Q16	20.63	20.76	20.72	21.50
		HIGH	Q16	20.60	20.77	20.69	21.50
	25	LOW	Q16	20.66	20.72	20.73	21.50
5	1	LOW	64QAM	20.79	20.78	21.20	21.50
		MID	64QAM	21.03	21.01	21.12	21.50
		HIGH	64QAM	20.82	20.72	21.05	21.50
	12	LOW	64QAM	19.76	19.63	19.67	20.50
		MID	64QAM	19.62	19.81	19.72	20.50
		HIGH	64QAM	19.68	19.55	19.55	20.50
	25	LOW	64QAM	19.52	19.56	19.69	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	22.59	22.64	22.63	23.50
		MID	QPSK	22.58	22.44	**22.71**	23.50
		HIGH	QPSK	22.51	22.50	22.61	23.50
	25	LOW	QPSK	21.67	21.76	21.75	22.50
		MID	QPSK	21.56	21.75	21.65	22.50
		HIGH	QPSK	21.67	21.80	21.52	22.50
	50	LOW	QPSK	21.67	21.75	21.77	22.50
10	1	LOW	Q16	21.92	21.71	22.25	22.50
		MID	Q16	22.11	21.78	22.39	22.50
		HIGH	Q16	21.77	21.92	22.05	22.50
	25	LOW	Q16	20.56	20.79	20.62	21.50
		MID	Q16	20.64	20.67	20.62	21.50
		HIGH	Q16	20.53	20.82	20.66	21.50
	50	LOW	Q16	20.54	20.77	20.66	21.50
10	1	LOW	64QAM	20.81	20.79	21.23	21.50
		MID	64QAM	21.07	20.99	21.35	21.50
		HIGH	64QAM	21.00	20.79	21.12	21.50
	25	LOW	64QAM	19.75	19.88	19.74	20.50
		MID	64QAM	19.64	19.73	19.77	20.50
		HIGH	64QAM	19.55	19.72	19.67	20.50
	50	LOW	64QAM	19.59	19.68	19.61	20.50

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LTE B38-Full Power -Ant.1(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	22.62	22.56	22.75	23.50
		MID	QPSK	22.43	22.61	**22.79**	23.50
		HIGH	QPSK	22.54	22.46	22.68	23.50
	36	LOW	QPSK	21.67	21.86	21.75	22.50
		MID	QPSK	21.72	21.79	21.62	22.50
		HIGH	QPSK	21.57	21.80	21.71	22.50
	75	LOW	QPSK	21.82	21.64	21.83	22.50
15	1	LOW	Q16	21.96	21.99	22.18	22.50
		MID	Q16	22.04	21.93	22.33	22.50
		HIGH	Q16	21.75	21.92	21.99	22.50
	36	LOW	Q16	20.53	20.86	20.79	21.50
		MID	Q16	20.81	20.69	20.87	21.50
		HIGH	Q16	20.48	20.67	20.61	21.50
	75	LOW	Q16	20.62	20.77	20.58	21.50
15	1	LOW	64QAM	20.76	20.78	21.20	21.50
		MID	64QAM	21.12	20.86	21.31	21.50
		HIGH	64QAM	20.95	20.91	21.15	21.50
	36	LOW	64QAM	19.57	19.74	19.85	20.50
		MID	64QAM	19.70	19.72	19.67	20.50
		HIGH	64QAM	19.48	19.59	19.70	20.50
	75	LOW	64QAM	19.65	19.65	19.60	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	22.47	**22.68**	22.64	23.50
		MID	QPSK	22.51	22.62	22.62	23.50
		HIGH	QPSK	22.46	22.47	22.59	23.50
	50	LOW	QPSK	21.70	21.77	21.76	22.50
		MID	QPSK	21.69	21.70	21.75	22.50
		HIGH	QPSK	21.68	21.66	21.64	22.50
	100	LOW	QPSK	21.69	21.74	21.73	22.50
20	1	LOW	Q16	21.90	21.84	22.15	22.50
		MID	Q16	22.00	21.87	22.27	22.50
		HIGH	Q16	21.89	21.80	22.07	22.50
	50	LOW	Q16	20.64	20.76	20.75	21.50
		MID	Q16	20.67	20.70	20.76	21.50
		HIGH	Q16	20.61	20.67	20.65	21.50
	100	LOW	Q16	20.65	20.68	20.68	21.50
20	1	LOW	64QAM	21.04	20.96	21.25	21.50
		MID	64QAM	21.05	20.90	21.29	21.50
		HIGH	64QAM	21.01	20.92	21.08	21.50
	50	LOW	64QAM	19.57	19.82	19.78	20.50
		MID	64QAM	19.61	19.77	19.73	20.50
		HIGH	64QAM	19.59	19.67	19.77	20.50
	100	LOW	64QAM	19.58	19.56	19.82	20.50

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LTE B38-Level1&2&3&4 -Ant.1(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	22.58	22.69	**22.72**	23.50
		MID	QPSK	22.56	22.59	22.64	23.50
		HIGH	QPSK	22.60	22.64	22.71	23.50
	12	LOW	QPSK	21.71	21.74	21.74	22.50
		MID	QPSK	21.61	21.69	21.71	22.50
		HIGH	QPSK	21.67	21.70	21.66	22.50
	25	LOW	QPSK	21.68	21.71	21.73	22.50
5	1	LOW	Q16	21.94	22.09	21.91	22.50
		MID	Q16	21.99	22.08	21.92	22.50
		HIGH	Q16	21.96	22.09	21.96	22.50
	12	LOW	Q16	20.66	20.83	20.76	21.50
		MID	Q16	20.63	20.76	20.72	21.50
		HIGH	Q16	20.60	20.77	20.69	21.50
	25	LOW	Q16	20.66	20.72	20.73	21.50
5	1	LOW	64QAM	20.79	20.78	21.20	21.50
		MID	64QAM	21.03	21.01	21.12	21.50
		HIGH	64QAM	20.82	20.72	21.05	21.50
	12	LOW	64QAM	19.76	19.63	19.67	20.50
		MID	64QAM	19.62	19.81	19.72	20.50
		HIGH	64QAM	19.68	19.55	19.55	20.50
	25	LOW	64QAM	19.52	19.56	19.69	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	22.59	22.64	22.63	23.50
		MID	QPSK	22.58	22.44	**22.71**	23.50
		HIGH	QPSK	22.51	22.50	22.61	23.50
	25	LOW	QPSK	21.67	21.76	21.75	22.50
		MID	QPSK	21.56	21.75	21.65	22.50
		HIGH	QPSK	21.67	21.80	21.52	22.50
	50	LOW	QPSK	21.67	21.75	21.77	22.50
10	1	LOW	Q16	21.92	21.71	22.25	22.50
		MID	Q16	22.11	21.78	22.39	22.50
		HIGH	Q16	21.77	21.92	22.05	22.50
	25	LOW	Q16	20.56	20.79	20.62	21.50
		MID	Q16	20.64	20.67	20.62	21.50
		HIGH	Q16	20.53	20.82	20.66	21.50
	50	LOW	Q16	20.54	20.77	20.66	21.50
10	1	LOW	64QAM	20.81	20.79	21.23	21.50
		MID	64QAM	21.07	20.99	21.35	21.50
		HIGH	64QAM	21.00	20.79	21.12	21.50
	25	LOW	64QAM	19.75	19.88	19.74	20.50
		MID	64QAM	19.64	19.73	19.77	20.50
		HIGH	64QAM	19.55	19.72	19.67	20.50
	50	LOW	64QAM	19.59	19.68	19.61	20.50

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LTE B38-Level1&2&3&4 -Ant.1(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	22.62	22.56	22.75	23.50
		MID	QPSK	22.43	22.61	**22.79**	23.50
		HIGH	QPSK	22.54	22.46	22.68	23.50
	36	LOW	QPSK	21.67	21.86	21.75	22.50
		MID	QPSK	21.72	21.79	21.62	22.50
		HIGH	QPSK	21.57	21.80	21.71	22.50
	75	LOW	QPSK	21.82	21.64	21.83	22.50
15	1	LOW	Q16	21.96	21.99	22.18	22.50
		MID	Q16	22.04	21.93	22.33	22.50
		HIGH	Q16	21.75	21.92	21.99	22.50
	36	LOW	Q16	20.53	20.86	20.79	21.50
		MID	Q16	20.81	20.69	20.87	21.50
		HIGH	Q16	20.48	20.67	20.61	21.50
	75	LOW	Q16	20.62	20.77	20.58	21.50
15	1	LOW	64QAM	20.76	20.78	21.20	21.50
		MID	64QAM	21.12	20.86	21.31	21.50
		HIGH	64QAM	20.95	20.91	21.15	21.50
	36	LOW	64QAM	19.57	19.74	19.85	20.50
		MID	64QAM	19.70	19.72	19.67	20.50
		HIGH	64QAM	19.48	19.59	19.70	20.50
	75	LOW	64QAM	19.65	19.65	19.60	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	22.47	**22.68**	22.64	23.50
		MID	QPSK	22.51	22.62	22.62	23.50
		HIGH	QPSK	22.46	22.47	22.59	23.50
	50	LOW	QPSK	21.70	21.77	21.76	22.50
		MID	QPSK	21.69	21.70	21.75	22.50
		HIGH	QPSK	21.68	21.66	21.64	22.50
	100	LOW	QPSK	21.69	21.74	21.73	22.50
20	1	LOW	Q16	21.90	21.84	22.15	22.50
		MID	Q16	22.00	21.87	22.27	22.50
		HIGH	Q16	21.89	21.80	22.07	22.50
	50	LOW	Q16	20.64	20.76	20.75	21.50
		MID	Q16	20.67	20.70	20.76	21.50
		HIGH	Q16	20.61	20.67	20.65	21.50
	100	LOW	Q16	20.65	20.68	20.68	21.50
20	1	LOW	64QAM	21.04	20.96	21.25	21.50
		MID	64QAM	21.05	20.90	21.29	21.50
		HIGH	64QAM	21.01	20.92	21.08	21.50
	50	LOW	64QAM	19.57	19.82	19.78	20.50
		MID	64QAM	19.61	19.77	19.73	20.50
		HIGH	64QAM	19.59	19.67	19.77	20.50
	100	LOW	64QAM	19.58	19.56	19.82	20.50

8.3.9 LTE Band41 Output Power

LTE B41-Full Power -Ant.4(PC3)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	22.82	22.71	22.41	22.75	22.85	23.50
		MID	QPSK	22.97	22.92	22.91	22.87	23.16	23.50
		HIGH	QPSK	22.88	23.00	22.61	22.89	22.79	23.50
	12	LOW	QPSK	21.94	21.87	21.39	22.22	21.69	22.50
		MID	QPSK	21.94	21.81	21.89	21.93	21.66	22.50
		HIGH	QPSK	21.78	21.87	21.65	21.73	21.88	22.50
	25	LOW	QPSK	22.08	21.87	21.59	22.13	21.83	22.50
5	1	LOW	Q16	22.32	22.22	21.75	22.26	22.27	22.50
		MID	Q16	22.10	22.38	21.86	21.87	22.42	22.50
		HIGH	Q16	22.07	22.13	21.45	22.14	22.54	22.50
	12	LOW	Q16	20.96	21.04	20.51	20.74	20.94	21.50
		MID	Q16	20.92	20.75	20.57	20.88	20.76	21.50
		HIGH	Q16	20.76	20.79	20.74	20.91	20.91	21.50
	25	LOW	Q16	20.91	21.41	20.74	20.99	21.09	21.50
5	1	LOW	64QAM	20.21	20.30	19.74	20.18	20.12	21.50
		MID	64QAM	20.16	20.32	19.57	20.32	20.36	21.50
		HIGH	64QAM	20.27	20.35	19.81	19.89	20.34	21.50
	12	LOW	64QAM	19.32	19.52	19.31	19.31	19.32	20.50
		MID	64QAM	19.58	19.68	19.02	19.48	19.22	20.50
		HIGH	64QAM	19.29	19.73	19.10	19.59	19.43	20.50
	25	LOW	64QAM	19.44	19.89	18.94	19.37	19.25	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	22.86	22.58	22.43	22.86	22.91	23.50
		MID	QPSK	22.95	22.79	22.42	22.86	23.03	23.50
		HIGH	QPSK	22.83	22.78	22.36	22.73	22.96	23.50
	25	LOW	QPSK	21.98	21.74	21.65	21.86	21.76	22.50
		MID	QPSK	22.12	22.11	21.73	21.97	21.71	22.50
		HIGH	QPSK	21.90	22.06	21.60	21.96	22.08	22.50
	50	LOW	QPSK	22.09	21.95	21.78	22.32	21.69	22.50
10	1	LOW	Q16	22.05	22.50	21.73	22.40	22.35	22.50
		MID	Q16	22.42	22.29	21.88	22.20	22.55	22.50
		HIGH	Q16	21.99	22.11	21.70	22.04	22.22	22.50
	25	LOW	Q16	21.07	20.69	20.85	20.92	20.94	21.50
		MID	Q16	21.05	21.00	20.83	20.98	20.74	21.50
		HIGH	Q16	20.93	20.99	20.69	20.91	20.74	21.50
	50	LOW	Q16	21.14	20.88	20.56	20.72	20.62	21.50
10	1	LOW	64QAM	20.23	20.59	19.82	20.31	20.10	21.50
		MID	64QAM	20.00	20.63	20.06	19.93	20.25	21.50
		HIGH	64QAM	20.06	20.03	19.43	20.07	20.31	21.50
	25	LOW	64QAM	19.21	19.28	19.05	19.38	19.29	20.50
		MID	64QAM	19.32	19.77	19.00	19.50	19.23	20.50
		HIGH	64QAM	19.44	19.32	18.98	19.63	19.31	20.50
	50	LOW	64QAM	19.36	19.29	19.37	19.33	19.09	20.50

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LTE B41-Full Power -Ant.4(PC3)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	22.90	22.94	22.87	22.80	22.90	23.50
		MID	QPSK	22.95	22.68	22.54	23.09	23.00	23.50
		HIGH	QPSK	22.82	22.70	22.31	22.75	23.09	23.50
	36	LOW	QPSK	21.78	21.78	21.57	22.14	21.79	22.50
		MID	QPSK	22.04	22.18	21.74	21.96	21.85	22.50
		HIGH	QPSK	21.96	21.75	21.73	21.71	22.04	22.50
	75	LOW	QPSK	22.22	22.38	21.31	21.97	21.58	22.50
15	1	LOW	Q16	22.24	22.28	21.73	22.51	22.43	22.50
		MID	Q16	22.40	22.38	21.75	22.19	22.55	22.50
		HIGH	Q16	22.14	22.25	21.69	22.03	22.51	22.50
	36	LOW	Q16	20.82	20.91	20.79	20.73	21.08	21.50
		MID	Q16	20.97	20.68	20.64	20.76	20.97	21.50
		HIGH	Q16	20.81	20.73	20.69	21.05	20.81	21.50
	75	LOW	Q16	21.13	21.19	20.82	20.80	20.74	21.50
15	1	LOW	64QAM	20.32	20.20	19.50	20.11	20.25	21.50
		MID	64QAM	20.14	20.21	19.78	20.27	20.52	21.50
		HIGH	64QAM	20.19	20.06	19.46	20.00	20.40	21.50
	36	LOW	64QAM	19.45	19.31	19.33	19.34	19.45	20.50
		MID	64QAM	19.33	19.58	19.24	19.26	19.58	20.50
		HIGH	64QAM	19.38	19.54	19.08	19.65	19.22	20.50
	75	LOW	64QAM	19.49	19.57	19.27	19.17	19.44	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	22.77	22.74	22.73	22.71	22.78	23.50
		MID	QPSK	23.04	22.89	22.94	22.88	23.01	23.50
		HIGH	QPSK	22.90	22.64	22.88	22.94	22.83	23.50
	50	LOW	QPSK	21.99	21.99	21.91	22.01	21.88	22.50
		MID	QPSK	21.84	21.80	22.13	21.67	22.07	22.50
		HIGH	QPSK	22.07	22.04	21.83	21.72	21.88	22.50
	100	LOW	QPSK	21.93	21.88	21.79	21.94	21.82	22.50
20	1	LOW	Q16	22.38	22.22	21.56	22.21	22.26	22.50
		MID	Q16	22.41	22.39	21.60	22.06	22.50	22.50
		HIGH	Q16	21.99	22.01	21.71	21.94	22.48	22.50
	50	LOW	Q16	20.76	20.71	20.63	20.58	20.72	21.50
		MID	Q16	21.13	21.18	20.52	20.90	21.02	21.50
		HIGH	Q16	20.97	20.75	20.56	21.21	20.81	21.50
	100	LOW	Q16	20.90	21.10	20.66	20.66	20.66	21.50
20	1	LOW	64QAM	20.36	20.62	19.77	20.37	20.11	21.50
		MID	64QAM	20.20	20.07	19.80	20.13	20.44	21.50
		HIGH	64QAM	20.20	19.98	19.46	19.91	20.30	21.50
	50	LOW	64QAM	19.56	19.07	19.04	19.08	19.29	20.50
		MID	64QAM	19.56	19.56	19.01	19.51	19.41	20.50
		HIGH	64QAM	19.36	19.47	19.18	19.71	19.40	20.50
	100	LOW	64QAM	19.57	19.80	19.05	19.31	19.35	20.50

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LTE B41-Level1 -Ant.4(PC3)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	17.10	17.13	17.14	17.20	17.06	18.00
		MID	QPSK	16.93	17.12	16.78	17.11	17.17	18.00
		HIGH	QPSK	17.22	17.01	17.05	17.17	17.05	18.00
	12	LOW	QPSK	17.02	17.30	17.09	17.21	17.14	18.00
		MID	QPSK	17.36	16.94	17.20	16.85	17.21	18.00
		HIGH	QPSK	17.10	16.79	17.10	17.06	17.24	18.00
	25	LOW	QPSK	16.84	17.15	17.10	17.08	17.20	18.00
5	1	LOW	Q16	16.92	17.17	16.88	17.18	17.06	18.00
		MID	Q16	16.87	17.17	16.94	17.19	16.98	18.00
		HIGH	Q16	17.15	17.05	17.01	17.23	17.05	18.00
	12	LOW	Q16	17.01	17.14	16.98	17.33	17.10	18.00
		MID	Q16	17.45	17.15	17.09	17.30	17.19	18.00
		HIGH	Q16	17.09	17.24	17.10	17.42	17.16	18.00
	25	LOW	Q16	17.31	16.94	17.24	17.18	17.13	18.00
5	1	LOW	64QAM	17.26	17.06	17.12	16.95	17.15	18.00
		MID	64QAM	17.29	17.19	16.97	17.35	17.32	18.00
		HIGH	64QAM	17.30	17.13	17.25	17.16	17.13	18.00
	12	LOW	64QAM	17.38	17.00	16.95	16.83	17.14	18.00
		MID	64QAM	17.27	17.24	17.00	17.16	17.09	18.00
		HIGH	64QAM	17.13	17.30	17.25	17.31	17.14	18.00
	25	LOW	64QAM	17.12	17.25	17.13	16.92	16.95	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	16.86	16.97	17.37	17.16	17.30	18.00
		MID	QPSK	17.18	17.44	17.29	17.14	17.21	18.00
		HIGH	QPSK	17.15	17.15	17.22	17.32	17.23	18.00
	25	LOW	QPSK	17.08	17.05	17.14	17.13	17.17	18.00
		MID	QPSK	17.16	17.05	17.10	16.96	17.24	18.00
		HIGH	QPSK	17.33	17.11	17.19	17.04	17.14	18.00
	50	LOW	QPSK	17.36	16.97	17.07	17.05	16.91	18.00
10	1	LOW	Q16	17.17	17.00	17.16	17.20	16.94	18.00
		MID	Q16	17.22	16.92	17.00	17.06	17.09	18.00
		HIGH	Q16	17.18	17.05	17.27	17.09	17.01	18.00
	25	LOW	Q16	17.01	17.06	17.18	17.40	17.39	18.00
		MID	Q16	16.97	16.96	17.31	17.08	16.78	18.00
		HIGH	Q16	17.01	17.20	17.30	17.13	17.07	18.00
	50	LOW	Q16	17.01	17.05	17.29	17.19	17.30	18.00
10	1	LOW	64QAM	16.93	17.42	17.02	16.92	16.90	18.00
		MID	64QAM	17.18	17.22	17.18	16.96	17.28	18.00
		HIGH	64QAM	17.04	17.14	16.79	17.35	17.02	18.00
	25	LOW	64QAM	17.32	17.11	17.44	16.87	16.86	18.00
		MID	64QAM	16.99	17.19	17.28	17.14	17.22	18.00
		HIGH	64QAM	16.97	16.97	17.09	17.25	17.03	18.00
	50	LOW	64QAM	17.29	16.99	17.00	16.96	17.25	18.00

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LTE B41-Level1 -Ant.4(PC3)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	17.00	17.28	17.30	17.21	17.31	18.00
		MID	QPSK	16.93	17.08	17.31	17.36	17.27	18.00
		HIGH	QPSK	17.13	17.16	17.16	16.97	17.01	18.00
	36	LOW	QPSK	17.04	17.27	17.31	16.81	17.29	18.00
		MID	QPSK	17.06	16.95	17.15	17.12	17.11	18.00
		HIGH	QPSK	17.28	17.40	16.99	17.27	16.99	18.00
	75	LOW	QPSK	17.01	17.16	17.15	17.19	17.38	18.00
15	1	LOW	Q16	17.23	17.19	16.94	17.38	16.90	18.00
		MID	Q16	17.07	17.18	17.26	17.09	16.95	18.00
		HIGH	Q16	17.03	17.13	17.24	16.92	17.19	18.00
	36	LOW	Q16	17.35	16.99	16.99	17.30	17.33	18.00
		MID	Q16	17.26	17.37	16.99	16.89	17.17	18.00
		HIGH	Q16	17.31	17.28	17.07	17.08	16.87	18.00
	75	LOW	Q16	17.07	16.86	17.30	17.42	17.24	18.00
15	1	LOW	64QAM	17.30	17.09	16.99	16.90	17.18	18.00
		MID	64QAM	16.95	17.40	17.27	17.39	17.15	18.00
		HIGH	64QAM	17.10	17.04	17.30	17.27	17.31	18.00
	36	LOW	64QAM	16.91	17.30	17.05	17.02	17.04	18.00
		MID	64QAM	16.86	16.78	17.13	17.17	16.92	18.00
		HIGH	64QAM	17.08	17.01	17.13	16.97	17.09	18.00
	75	LOW	64QAM	17.11	17.16	17.16	16.97	17.42	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	17.03	17.35	17.45	17.12	17.05	18.00
		MID	QPSK	17.05	16.93	17.19	17.21	17.04	18.00
		HIGH	QPSK	17.14	16.98	17.16	17.06	17.03	18.00
	50	LOW	QPSK	17.35	17.10	17.18	16.85	17.24	18.00
		MID	QPSK	17.35	17.00	17.39	17.00	17.36	18.00
		HIGH	QPSK	16.79	17.08	17.07	17.17	17.25	18.00
	100	LOW	QPSK	16.95	17.04	17.15	17.07	16.99	18.00
20	1	LOW	Q16	17.33	17.32	17.40	17.20	17.05	18.00
		MID	Q16	17.07	17.23	16.99	17.44	17.04	18.00
		HIGH	Q16	17.03	17.43	16.94	17.09	17.09	18.00
	50	LOW	Q16	17.06	16.97	17.26	17.18	17.04	18.00
		MID	Q16	16.93	16.95	16.93	17.39	17.02	18.00
		HIGH	Q16	17.12	17.15	17.06	17.17	17.11	18.00
	100	LOW	Q16	16.87	16.99	17.07	17.26	16.90	18.00
20	1	LOW	64QAM	16.87	17.20	17.31	17.29	16.84	18.00
		MID	64QAM	16.81	16.89	16.98	17.26	16.83	18.00
		HIGH	64QAM	16.94	16.81	17.08	16.86	17.08	18.00
	50	LOW	64QAM	17.25	17.15	17.06	17.10	17.16	18.00
		MID	64QAM	17.07	16.91	17.37	17.00	16.99	18.00
		HIGH	64QAM	17.21	17.02	17.22	17.20	17.12	18.00
	100	LOW	64QAM	17.11	17.14	17.46	16.98	16.97	18.00

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LTE B41-Level2 -Ant.4(PC3)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	20.69	20.62	20.67	20.55	20.42	21.50
		MID	QPSK	20.61	20.33	20.44	20.72	20.51	21.50
		HIGH	QPSK	20.58	20.55	20.35	20.53	20.53	21.50
	12	LOW	QPSK	20.65	20.48	20.75	20.65	20.81	21.50
		MID	QPSK	20.48	20.82	20.82	20.68	20.59	21.50
		HIGH	QPSK	20.74	20.51	20.69	20.57	20.93	21.50
	25	LOW	QPSK	20.62	20.82	20.82	20.83	20.67	21.50
5	1	LOW	Q16	20.41	20.39	20.75	20.37	20.72	21.50
		MID	Q16	20.73	20.68	20.50	20.48	20.67	21.50
		HIGH	Q16	20.63	20.71	20.92	20.71	20.48	21.50
	12	LOW	Q16	20.72	20.67	20.74	20.59	20.63	21.50
		MID	Q16	20.54	20.77	20.68	20.73	20.78	21.50
		HIGH	Q16	20.49	20.69	20.55	20.71	20.77	21.50
	25	LOW	Q16	20.43	20.63	20.51	20.67	20.47	21.50
5	1	LOW	64QAM	20.42	20.80	20.68	20.51	20.55	21.50
		MID	64QAM	20.35	20.68	20.49	20.49	20.51	21.50
		HIGH	64QAM	20.64	20.54	20.75	20.60	20.58	21.50
	12	LOW	64QAM	19.72	19.56	19.66	19.43	19.50	20.50
		MID	64QAM	19.44	19.75	19.73	19.42	19.58	20.50
		HIGH	64QAM	19.71	19.66	19.44	19.66	19.75	20.50
	25	LOW	64QAM	19.83	19.41	19.43	19.47	19.63	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	20.82	20.60	20.66	20.50	20.58	21.50
		MID	QPSK	20.92	20.57	20.49	20.53	20.50	21.50
		HIGH	QPSK	20.34	20.41	20.66	20.65	20.56	21.50
	25	LOW	QPSK	20.74	20.45	20.57	20.62	20.73	21.50
		MID	QPSK	20.52	20.72	20.39	20.39	20.71	21.50
		HIGH	QPSK	20.37	20.80	20.65	20.38	20.44	21.50
	50	LOW	QPSK	20.47	20.75	20.72	20.42	20.71	21.50
10	1	LOW	Q16	20.50	20.41	20.47	20.50	20.59	21.50
		MID	Q16	20.81	20.88	20.47	20.68	20.53	21.50
		HIGH	Q16	20.56	20.86	20.51	20.44	20.53	21.50
	25	LOW	Q16	20.81	20.58	20.64	20.77	20.53	21.50
		MID	Q16	20.76	20.67	20.32	20.60	20.72	21.50
		HIGH	Q16	20.59	20.44	20.53	20.86	20.42	21.50
	50	LOW	Q16	20.38	20.52	20.50	20.56	20.48	21.50
10	1	LOW	64QAM	20.58	20.67	20.65	20.74	20.80	21.50
		MID	64QAM	20.80	20.60	20.81	20.44	20.72	21.50
		HIGH	64QAM	20.78	20.49	20.63	20.69	20.64	21.50
	25	LOW	64QAM	19.71	19.40	19.45	19.55	19.53	20.50
		MID	64QAM	19.57	19.71	19.49	19.41	19.47	20.50
		HIGH	64QAM	19.58	19.54	19.43	19.47	19.69	20.50
	50	LOW	64QAM	19.38	19.64	19.62	19.66	19.77	20.50

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LTE B41-Level2 -Ant.4(PC3)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	20.33	20.39	20.68	20.55	20.85	21.50
		MID	QPSK	20.77	20.71	20.47	20.76	20.58	21.50
		HIGH	QPSK	20.80	20.84	20.57	20.58	20.60	21.50
	36	LOW	QPSK	20.66	20.39	20.68	20.63	20.69	21.50
		MID	QPSK	20.73	20.63	20.74	20.54	20.66	21.50
		HIGH	QPSK	20.68	20.64	20.40	20.87	20.70	21.50
	75	LOW	QPSK	20.71	20.71	20.58	20.81	20.36	21.50
15	1	LOW	Q16	20.80	20.72	20.56	20.66	20.77	21.50
		MID	Q16	20.71	20.48	20.55	20.91	20.74	21.50
		HIGH	Q16	20.68	20.67	20.66	20.62	20.65	21.50
	36	LOW	Q16	20.55	20.66	20.80	20.86	20.44	21.50
		MID	Q16	20.49	20.77	20.63	20.68	20.87	21.50
		HIGH	Q16	20.59	20.80	20.61	20.67	20.75	21.50
	75	LOW	Q16	20.50	20.45	20.92	20.38	20.44	21.50
15	1	LOW	64QAM	20.35	20.63	20.50	20.83	20.50	21.50
		MID	64QAM	20.74	20.81	20.70	20.46	20.35	21.50
		HIGH	64QAM	20.60	20.39	20.53	20.61	20.85	21.50
	36	LOW	64QAM	19.60	19.56	19.42	19.53	19.70	20.50
		MID	64QAM	19.59	19.61	19.53	19.64	19.57	20.50
		HIGH	64QAM	19.81	19.61	19.56	19.62	19.61	20.50
	75	LOW	64QAM	19.73	19.61	19.71	19.93	19.30	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	20.33	20.67	20.78	20.93	20.45	21.50
		MID	QPSK	20.45	20.37	20.74	20.61	20.63	21.50
		HIGH	QPSK	20.69	20.85	20.87	20.58	20.83	21.50
	50	LOW	QPSK	20.43	20.50	20.30	20.56	20.76	21.50
		MID	QPSK	20.31	20.89	20.63	20.65	20.72	21.50
		HIGH	QPSK	20.58	20.59	20.80	20.81	20.58	21.50
	100	LOW	QPSK	20.61	20.88	20.57	20.71	20.46	21.50
20	1	LOW	Q16	20.44	20.85	20.69	20.65	20.82	21.50
		MID	Q16	20.34	20.77	20.56	20.76	20.68	21.50
		HIGH	Q16	20.66	20.68	20.74	20.72	20.70	21.50
	50	LOW	Q16	20.60	20.73	20.62	20.79	20.41	21.50
		MID	Q16	20.74	20.52	20.48	20.84	20.51	21.50
		HIGH	Q16	20.71	20.52	20.55	20.69	20.50	21.50
	100	LOW	Q16	20.63	20.65	20.59	20.54	20.56	21.50
20	1	LOW	64QAM	20.43	20.89	20.48	20.39	20.72	21.50
		MID	64QAM	20.89	20.51	20.54	20.53	20.56	21.50
		HIGH	64QAM	20.56	20.45	20.85	20.90	20.60	21.50
	50	LOW	64QAM	19.87	19.80	19.51	19.36	19.79	20.50
		MID	64QAM	19.61	19.66	19.81	19.69	19.74	20.50
		HIGH	64QAM	19.66	19.59	19.63	19.34	19.51	20.50
	100	LOW	64QAM	19.70	19.61	19.69	19.61	19.55	20.50

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LTE B41-Level3 -Ant.4(PC3)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	16.15	16.11	16.34	15.98	16.21	17.00
		MID	QPSK	16.09	16.20	16.11	16.31	16.20	17.00
		HIGH	QPSK	16.01	16.22	16.36	16.02	16.28	17.00
	12	LOW	QPSK	16.27	16.31	16.13	16.28	15.90	17.00
		MID	QPSK	16.08	16.12	16.23	16.16	16.08	17.00
		HIGH	QPSK	16.28	16.15	15.94	16.01	16.30	17.00
	25	LOW	QPSK	16.31	16.31	16.38	15.91	15.97	17.00
5	1	LOW	Q16	16.25	16.01	15.98	16.10	15.95	17.00
		MID	Q16	15.95	16.17	16.25	16.08	16.13	17.00
		HIGH	Q16	15.96	16.01	16.03	16.17	16.11	17.00
	12	LOW	Q16	16.36	15.98	16.10	16.17	16.06	17.00
		MID	Q16	16.15	16.01	16.28	16.15	16.23	17.00
		HIGH	Q16	16.19	16.34	16.21	15.97	16.11	17.00
	25	LOW	Q16	15.84	16.12	16.15	15.94	16.08	17.00
5	1	LOW	64QAM	16.34	16.11	15.81	16.01	16.11	17.00
		MID	64QAM	16.23	16.25	16.11	15.86	16.05	17.00
		HIGH	64QAM	16.10	15.94	16.40	16.35	16.17	17.00
	12	LOW	64QAM	16.23	16.05	16.13	15.99	16.06	17.00
		MID	64QAM	16.06	16.13	16.21	16.10	16.19	17.00
		HIGH	64QAM	16.16	16.11	15.92	16.25	16.05	17.00
	25	LOW	64QAM	16.33	16.08	16.14	15.95	16.11	17.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	16.21	16.11	16.14	16.14	16.21	17.00
		MID	QPSK	16.25	16.12	16.13	16.30	16.12	17.00
		HIGH	QPSK	16.07	16.16	16.01	16.11	16.10	17.00
	25	LOW	QPSK	16.26	15.93	16.13	16.24	16.07	17.00
		MID	QPSK	15.83	16.43	16.17	16.13	16.29	17.00
		HIGH	QPSK	15.96	16.42	16.13	16.11	15.93	17.00
	50	LOW	QPSK	16.13	16.20	16.17	15.83	15.87	17.00
10	1	LOW	Q16	16.18	15.93	16.37	16.42	16.16	17.00
		MID	Q16	16.19	16.24	16.20	15.96	15.90	17.00
		HIGH	Q16	16.11	16.18	15.91	16.07	16.21	17.00
	25	LOW	Q16	16.07	16.34	16.16	15.98	16.15	17.00
		MID	Q16	16.18	16.27	16.29	16.10	16.07	17.00
		HIGH	Q16	16.07	16.21	16.31	15.97	16.02	17.00
	50	LOW	Q16	16.29	16.25	16.29	16.18	16.24	17.00
10	1	LOW	64QAM	16.16	15.89	16.27	16.37	16.24	17.00
		MID	64QAM	15.98	15.90	15.90	16.17	16.19	17.00
		HIGH	64QAM	16.14	16.18	15.99	15.83	15.98	17.00
	25	LOW	64QAM	16.12	15.95	15.94	16.08	16.26	17.00
		MID	64QAM	16.12	16.11	15.90	16.07	16.17	17.00
		HIGH	64QAM	15.96	15.90	15.99	16.04	16.13	17.00
	50	LOW	64QAM	15.89	16.11	16.10	16.31	16.16	17.00

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LTE B41-Level3 -Ant.4(PC3)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	15.79	15.99	16.31	16.17	16.30	17.00
		MID	QPSK	16.12	16.20	16.15	16.09	16.10	17.00
		HIGH	QPSK	16.30	16.14	16.45	16.20	16.16	17.00
	36	LOW	QPSK	16.11	16.18	16.14	16.04	16.14	17.00
		MID	QPSK	16.25	16.15	16.26	16.15	16.37	17.00
		HIGH	QPSK	16.19	16.07	16.37	16.17	16.13	17.00
	75	LOW	QPSK	16.16	15.89	16.09	16.18	16.35	17.00
15	1	LOW	Q16	16.14	16.14	15.99	16.21	16.29	17.00
		MID	Q16	15.81	15.95	16.21	15.89	15.93	17.00
		HIGH	Q16	16.09	16.26	16.02	16.25	16.21	17.00
	36	LOW	Q16	16.30	16.43	15.88	16.13	16.13	17.00
		MID	Q16	16.30	16.16	16.15	16.14	16.07	17.00
		HIGH	Q16	15.80	15.99	16.14	16.25	16.25	17.00
	75	LOW	Q16	16.17	16.38	15.94	16.27	15.90	17.00
15	1	LOW	64QAM	16.01	16.14	16.26	16.25	16.01	17.00
		MID	64QAM	16.35	15.87	16.04	16.25	16.23	17.00
		HIGH	64QAM	16.09	16.11	16.10	16.33	16.11	17.00
	36	LOW	64QAM	16.04	16.32	16.20	16.10	16.34	17.00
		MID	64QAM	16.17	16.01	16.15	16.10	16.05	17.00
		HIGH	64QAM	15.95	16.06	16.06	15.93	16.22	17.00
	75	LOW	64QAM	16.22	16.14	15.84	16.35	16.23	17.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	16.14	16.10	15.95	16.25	15.83	17.00
		MID	QPSK	16.02	15.93	16.28	16.15	16.08	17.00
		HIGH	QPSK	16.02	16.09	16.17	16.15	16.24	17.00
	50	LOW	QPSK	16.37	15.94	16.34	16.11	16.05	17.00
		MID	QPSK	16.06	16.05	16.02	16.05	16.45	17.00
		HIGH	QPSK	15.94	16.10	16.04	16.15	16.14	17.00
	100	LOW	QPSK	16.22	16.21	16.11	16.05	16.17	17.00
20	1	LOW	Q16	16.13	16.24	15.94	16.23	16.16	17.00
		MID	Q16	16.40	15.88	16.08	16.22	16.05	17.00
		HIGH	Q16	16.29	16.42	15.97	15.96	16.09	17.00
	50	LOW	Q16	16.17	16.03	16.08	16.26	16.23	17.00
		MID	Q16	15.87	16.33	16.10	16.34	16.31	17.00
		HIGH	Q16	16.24	16.22	16.16	16.20	16.34	17.00
	100	LOW	Q16	15.94	16.30	16.13	16.11	16.29	17.00
20	1	LOW	64QAM	16.12	16.13	15.94	16.06	16.22	17.00
		MID	64QAM	16.07	16.05	16.08	16.02	16.32	17.00
		HIGH	64QAM	16.25	15.92	15.83	15.95	16.18	17.00
	50	LOW	64QAM	15.91	16.26	15.98	16.00	15.81	17.00
		MID	64QAM	16.10	15.92	16.14	16.12	15.94	17.00
		HIGH	64QAM	16.26	16.23	15.88	16.19	15.99	17.00
	100	LOW	64QAM	16.14	16.06	16.27	16.09	16.12	17.00

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LTE B41-Level4 -Ant.4(PC3)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	18.66	18.68	18.67	18.41	18.41	19.50
		MID	QPSK	18.81	18.60	18.83	18.72	18.46	19.50
		HIGH	QPSK	18.69	18.42	18.62	18.65	18.40	19.50
	12	LOW	QPSK	18.60	18.53	18.68	18.54	18.71	19.50
		MID	QPSK	18.64	18.74	18.61	18.77	18.68	19.50
		HIGH	QPSK	18.55	18.59	18.58	18.77	18.88	19.50
	25	LOW	QPSK	18.76	18.64	18.82	18.37	18.87	19.50
5	1	LOW	Q16	18.46	18.49	18.66	18.78	18.82	19.50
		MID	Q16	18.48	18.45	18.80	18.78	18.65	19.50
		HIGH	Q16	18.52	18.78	18.81	18.61	18.56	19.50
	12	LOW	Q16	18.56	18.59	18.63	18.34	18.57	19.50
		MID	Q16	18.35	18.83	18.82	18.64	18.62	19.50
		HIGH	Q16	18.51	18.89	18.84	18.50	18.90	19.50
	25	LOW	Q16	18.69	18.40	18.68	18.82	18.81	19.50
5	1	LOW	64QAM	18.62	18.76	18.89	18.57	18.40	19.50
		MID	64QAM	18.72	18.52	18.45	18.29	18.41	19.50
		HIGH	64QAM	18.36	18.77	18.55	18.93	18.79	19.50
	12	LOW	64QAM	18.49	18.49	18.63	18.85	18.56	19.50
		MID	64QAM	18.57	18.83	18.37	18.42	18.59	19.50
		HIGH	64QAM	18.81	18.94	18.66	18.41	18.53	19.50
	25	LOW	64QAM	18.75	18.37	18.53	18.50	18.90	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	18.57	18.61	18.50	18.45	18.77	19.50
		MID	QPSK	18.55	18.88	18.54	18.46	18.51	19.50
		HIGH	QPSK	18.59	18.45	18.77	18.62	18.39	19.50
	25	LOW	QPSK	18.52	18.77	18.31	18.82	18.75	19.50
		MID	QPSK	18.86	18.83	18.79	18.76	18.80	19.50
		HIGH	QPSK	18.51	18.33	18.69	18.58	18.58	19.50
	50	LOW	QPSK	18.67	18.58	18.68	18.84	18.54	19.50
10	1	LOW	Q16	18.67	18.57	18.68	18.43	18.66	19.50
		MID	Q16	18.58	18.40	18.62	18.82	18.54	19.50
		HIGH	Q16	18.56	18.62	18.56	18.52	18.86	19.50
	25	LOW	Q16	18.68	18.41	18.44	18.64	18.55	19.50
		MID	Q16	18.60	18.56	18.59	18.58	18.70	19.50
		HIGH	Q16	18.36	18.66	18.57	18.75	18.68	19.50
	50	LOW	Q16	18.53	18.76	18.64	18.36	18.48	19.50
10	1	LOW	64QAM	18.72	18.82	18.68	18.67	18.77	19.50
		MID	64QAM	18.58	18.95	18.62	18.58	18.47	19.50
		HIGH	64QAM	18.88	18.59	18.61	18.71	18.65	19.50
	25	LOW	64QAM	18.53	18.33	18.74	18.70	18.67	19.50
		MID	64QAM	18.42	18.53	18.74	18.58	18.62	19.50
		HIGH	64QAM	18.57	18.86	18.57	18.56	18.51	19.50
	50	LOW	64QAM	18.43	18.63	18.77	18.91	18.41	19.50

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LTE B41-Level4 -Ant.4(PC3)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	18.68	18.65	18.53	18.44	18.53	19.50
		MID	QPSK	18.41	18.63	18.85	18.62	18.47	19.50
		HIGH	QPSK	18.84	18.47	18.46	18.79	18.40	19.50
	36	LOW	QPSK	18.48	18.32	18.80	18.31	18.80	19.50
		MID	QPSK	18.79	18.56	18.90	18.43	18.57	19.50
		HIGH	QPSK	18.81	18.46	18.36	18.35	18.45	19.50
	75	LOW	QPSK	18.61	18.41	18.89	18.62	18.63	19.50
15	1	LOW	Q16	18.60	18.69	18.58	18.33	18.57	19.50
		MID	Q16	18.49	18.54	18.81	18.59	18.82	19.50
		HIGH	Q16	18.56	18.52	18.57	18.64	18.60	19.50
	36	LOW	Q16	18.49	18.79	18.54	18.38	18.58	19.50
		MID	Q16	18.62	18.78	18.84	18.88	18.41	19.50
		HIGH	Q16	18.81	18.56	18.44	18.41	18.71	19.50
	75	LOW	Q16	18.59	18.65	18.71	18.46	18.58	19.50
15	1	LOW	64QAM	18.35	18.44	18.58	18.49	18.67	19.50
		MID	64QAM	18.70	18.51	18.72	18.66	18.53	19.50
		HIGH	64QAM	18.48	18.51	18.50	18.84	18.60	19.50
	36	LOW	64QAM	18.52	18.75	18.77	18.81	18.45	19.50
		MID	64QAM	18.57	18.67	18.69	18.66	18.38	19.50
		HIGH	64QAM	18.60	18.85	18.72	18.91	18.84	19.50
	75	LOW	64QAM	18.76	18.59	18.82	18.67	18.78	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	18.70	18.46	18.46	18.69	18.75	19.50
		MID	QPSK	18.56	18.66	18.68	18.39	18.55	19.50
		HIGH	QPSK	18.40	18.50	18.33	18.39	18.75	19.50
	50	LOW	QPSK	18.81	18.86	18.52	18.53	18.63	19.50
		MID	QPSK	18.83	18.58	18.65	18.77	18.64	19.50
		HIGH	QPSK	18.79	18.69	18.43	18.61	18.65	19.50
	100	LOW	QPSK	18.82	18.64	18.67	18.69	18.40	19.50
20	1	LOW	Q16	18.39	18.50	18.53	18.60	18.66	19.50
		MID	Q16	18.73	18.50	18.70	18.85	18.88	19.50
		HIGH	Q16	18.51	18.66	18.56	18.50	18.42	19.50
	50	LOW	Q16	18.58	18.56	18.62	18.51	18.72	19.50
		MID	Q16	18.50	18.41	18.54	18.58	18.65	19.50
		HIGH	Q16	18.54	18.81	18.82	18.83	18.52	19.50
	100	LOW	Q16	18.50	18.56	18.68	18.78	18.81	19.50
20	1	LOW	64QAM	18.34	18.69	18.56	18.46	18.66	19.50
		MID	64QAM	18.68	18.65	18.80	18.67	18.36	19.50
		HIGH	64QAM	18.40	18.63	18.80	18.58	18.82	19.50
	50	LOW	64QAM	18.63	18.32	18.56	18.68	18.63	19.50
		MID	64QAM	18.49	18.39	18.73	18.56	18.51	19.50
		HIGH	64QAM	18.50	18.34	18.76	18.43	18.34	19.50
	100	LOW	64QAM	18.60	18.66	18.67	18.43	18.94	19.50

8.3.9 LTE Band41 Output Power

LTE B41-Full Power -Ant.4(PC2)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	24.64	24.68	24.37	24.58	24.61	25.50
		MID	QPSK	24.87	24.80	24.69	24.85	24.94	25.50
		HIGH	QPSK	24.78	24.79	24.43	24.75	24.86	25.50
	12	LOW	QPSK	23.88	23.67	23.46	23.99	23.64	24.50
		MID	QPSK	23.84	23.91	23.68	23.97	23.77	24.50
		HIGH	QPSK	23.86	23.88	23.47	23.62	23.83	24.50
	25	LOW	QPSK	23.97	23.91	23.46	23.90	23.68	24.50
5	1	LOW	Q16	24.06	24.32	23.58	24.05	24.31	24.50
		MID	Q16	24.15	24.40	23.75	23.99	24.17	24.50
		HIGH	Q16	23.87	23.99	23.52	23.97	24.31	24.50
	12	LOW	Q16	22.88	22.90	22.53	22.76	22.77	23.50
		MID	Q16	22.77	22.85	22.64	22.75	22.79	23.50
		HIGH	Q16	22.87	22.70	22.73	22.90	22.74	23.50
	25	LOW	Q16	22.88	23.17	22.58	22.85	22.86	23.50
5	1	LOW	64QAM	22.71	22.84	22.20	22.68	22.65	23.50
		MID	64QAM	22.60	22.67	22.17	22.60	22.77	23.50
		HIGH	64QAM	22.60	22.71	22.18	22.38	22.62	23.50
	12	LOW	64QAM	21.30	21.33	21.09	21.29	21.37	22.50
		MID	64QAM	21.37	21.43	21.03	21.30	21.34	22.50
		HIGH	64QAM	21.23	21.48	21.07	21.45	21.41	22.50
	25	LOW	64QAM	21.46	21.63	21.05	21.34	21.18	22.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	24.71	24.53	24.36	24.67	24.76	25.50
		MID	QPSK	24.69	24.68	24.44	24.73	24.89	25.50
		HIGH	QPSK	24.73	24.52	24.44	24.67	24.75	25.50
	25	LOW	QPSK	23.91	23.86	23.62	23.88	23.75	24.50
		MID	QPSK	24.00	23.91	23.71	23.92	23.71	24.50
		HIGH	QPSK	23.77	23.93	23.55	23.77	23.84	24.50
	50	LOW	QPSK	23.89	23.88	23.64	24.12	23.73	24.50
10	1	LOW	Q16	24.12	24.29	23.75	24.15	24.17	24.50
		MID	Q16	24.26	24.24	23.69	24.19	24.40	24.50
		HIGH	Q16	23.89	24.21	23.51	23.97	24.14	24.50
	25	LOW	Q16	22.96	22.65	22.64	22.70	22.73	23.50
		MID	Q16	22.98	22.91	22.72	22.75	22.84	23.50
		HIGH	Q16	22.79	22.99	22.44	22.89	22.85	23.50
	50	LOW	Q16	22.88	22.90	22.59	22.59	22.63	23.50
10	1	LOW	64QAM	22.78	22.87	22.15	22.68	22.67	23.50
		MID	64QAM	22.62	22.88	22.30	22.54	22.82	23.50
		HIGH	64QAM	22.64	22.61	22.03	22.32	22.67	23.50
	25	LOW	64QAM	21.25	21.29	21.05	21.15	21.23	22.50
		MID	64QAM	21.24	21.57	21.08	21.32	21.23	22.50
		HIGH	64QAM	21.48	21.43	21.07	21.61	21.29	22.50
	50	LOW	64QAM	21.40	21.41	21.16	21.10	21.13	22.50

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LTE B41-Full Power -Ant.4(PC2)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	24.73	24.74	24.62	24.79	24.64	25.50
		MID	QPSK	24.80	24.77	24.55	24.92	24.74	25.50
		HIGH	QPSK	24.62	24.58	24.37	24.70	24.83	25.50
	36	LOW	QPSK	23.79	23.64	23.53	23.94	23.69	24.50
		MID	QPSK	23.86	23.94	23.56	23.93	23.66	24.50
		HIGH	QPSK	23.73	23.75	23.51	23.63	23.86	24.50
	75	LOW	QPSK	23.99	24.12	23.39	23.99	23.66	24.50
15	1	LOW	Q16	24.27	24.18	23.72	24.30	24.26	24.50
		MID	Q16	24.22	24.36	23.63	23.97	24.42	24.50
		HIGH	Q16	24.17	24.09	23.45	23.89	24.27	24.50
	36	LOW	Q16	22.76	22.69	22.55	22.68	22.88	23.50
		MID	Q16	22.88	22.78	22.66	22.79	22.86	23.50
		HIGH	Q16	22.90	22.73	22.57	22.97	22.80	23.50
	75	LOW	Q16	22.94	23.09	22.67	22.85	22.79	23.50
15	1	LOW	64QAM	22.57	22.68	22.07	22.65	22.75	23.50
		MID	64QAM	22.57	22.61	22.15	22.71	22.82	23.50
		HIGH	64QAM	22.65	22.44	22.08	22.50	22.85	23.50
	36	LOW	64QAM	21.41	21.26	21.18	21.13	21.26	22.50
		MID	64QAM	21.34	21.39	21.10	21.37	21.32	22.50
		HIGH	64QAM	21.25	21.32	21.20	21.50	21.25	22.50
	75	LOW	64QAM	21.26	21.50	21.20	21.16	21.34	22.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	24.76	24.68	24.79	24.72	24.74	25.50
		MID	QPSK	24.82	24.70	24.87	24.72	24.85	25.50
		HIGH	QPSK	24.70	24.66	24.67	24.82	24.81	25.50
	50	LOW	QPSK	23.84	23.78	23.77	23.82	23.78	24.50
		MID	QPSK	23.90	23.87	23.92	23.76	23.81	24.50
		HIGH	QPSK	23.87	23.85	23.91	23.77	23.80	24.50
	100	LOW	QPSK	23.87	23.98	23.91	23.87	23.74	24.50
20	1	LOW	Q16	24.17	24.23	23.64	24.19	24.16	24.50
		MID	Q16	24.21	24.25	23.71	24.10	24.27	24.50
		HIGH	Q16	24.02	24.08	23.54	23.93	24.24	24.50
	50	LOW	Q16	22.84	22.75	22.56	22.70	22.83	23.50
		MID	Q16	22.89	22.93	22.60	22.87	22.84	23.50
		HIGH	Q16	22.87	22.85	22.58	22.97	22.83	23.50
	100	LOW	Q16	22.88	23.02	22.56	22.74	22.78	23.50
20	1	LOW	64QAM	22.76	22.86	22.01	22.75	22.58	23.50
		MID	64QAM	22.62	22.69	22.36	22.64	22.84	23.50
		HIGH	64QAM	22.66	22.51	22.05	22.47	22.64	23.50
	50	LOW	64QAM	21.41	21.18	21.06	21.09	21.30	22.50
		MID	64QAM	21.51	21.50	21.00	21.34	21.24	22.50
		HIGH	64QAM	21.38	21.32	21.04	21.46	21.32	22.50
	100	LOW	64QAM	21.40	21.54	21.02	21.24	21.20	22.50

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LTE B41-Level1 -Ant.4(PC2)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	19.15	19.17	19.07	19.17	18.92	20.00
		MID	QPSK	19.03	19.03	18.90	19.12	18.97	20.00
		HIGH	QPSK	19.13	18.98	19.12	18.94	18.97	20.00
	12	LOW	QPSK	19.12	19.18	19.04	18.98	19.20	20.00
		MID	QPSK	19.12	19.04	18.97	18.95	19.08	20.00
		HIGH	QPSK	19.02	18.91	18.98	19.11	18.99	20.00
	25	LOW	QPSK	18.95	18.96	19.11	18.90	19.13	20.00
5	1	LOW	Q16	18.91	19.01	18.90	18.99	18.90	20.00
		MID	Q16	18.95	19.07	19.05	18.99	18.93	20.00
		HIGH	Q16	18.90	18.94	18.92	19.18	18.97	20.00
	12	LOW	Q16	18.97	18.95	18.97	19.07	19.10	20.00
		MID	Q16	19.20	18.98	18.99	19.13	19.15	20.00
		HIGH	Q16	19.20	19.10	19.08	19.19	18.99	20.00
	25	LOW	Q16	19.05	18.92	19.06	19.18	18.99	20.00
5	1	LOW	64QAM	19.20	19.05	19.16	18.95	19.05	20.00
		MID	64QAM	19.15	19.09	19.08	19.12	19.08	20.00
		HIGH	64QAM	19.19	19.02	19.06	19.11	19.14	20.00
	12	LOW	64QAM	19.14	19.00	19.00	18.92	19.20	20.00
		MID	64QAM	19.13	19.15	19.09	19.08	18.96	20.00
		HIGH	64QAM	19.17	19.08	19.05	19.06	19.03	20.00
	25	LOW	64QAM	18.90	19.04	19.04	18.96	19.06	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	18.98	19.03	19.20	18.99	19.08	20.00
		MID	QPSK	18.96	19.20	19.17	19.18	19.04	20.00
		HIGH	QPSK	19.07	19.18	19.07	19.16	19.01	20.00
	25	LOW	QPSK	19.06	19.02	19.09	19.09	19.19	20.00
		MID	QPSK	19.18	18.98	18.95	18.93	19.17	20.00
		HIGH	QPSK	19.20	19.10	19.05	18.91	19.01	20.00
	50	LOW	QPSK	19.11	19.06	18.96	19.09	19.01	20.00
10	1	LOW	Q16	18.91	18.91	19.19	19.09	19.04	20.00
		MID	Q16	19.15	19.01	18.90	19.15	18.95	20.00
		HIGH	Q16	19.15	19.02	19.07	18.99	19.06	20.00
	25	LOW	Q16	18.96	19.02	19.13	19.16	19.15	20.00
		MID	Q16	18.93	19.04	19.16	19.20	18.90	20.00
		HIGH	Q16	19.08	18.96	19.08	19.14	19.15	20.00
	50	LOW	Q16	18.94	18.92	19.04	19.06	19.12	20.00
10	1	LOW	64QAM	19.04	19.17	18.93	18.98	18.91	20.00
		MID	64QAM	19.14	19.07	18.94	19.05	19.12	20.00
		HIGH	64QAM	19.16	19.16	18.90	19.15	18.99	20.00
	25	LOW	64QAM	19.12	19.01	19.19	18.97	18.92	20.00
		MID	64QAM	18.92	19.19	19.12	18.94	19.16	20.00
		HIGH	64QAM	19.01	18.98	19.18	19.05	19.03	20.00
	50	LOW	64QAM	19.20	19.01	18.92	18.95	19.09	20.00

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LTE B41-Level1 -Ant.4(PC2)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	19.07	19.08	19.19	19.18	19.07	20.00
		MID	QPSK	19.02	18.98	19.17	19.19	19.11	20.00
		HIGH	QPSK	19.08	19.16	18.97	19.01	18.98	20.00
	36	LOW	QPSK	18.96	19.02	19.14	18.92	19.18	20.00
		MID	QPSK	19.03	19.03	19.20	19.19	18.93	20.00
		HIGH	QPSK	19.19	19.17	18.98	19.11	19.11	20.00
	75	LOW	QPSK	18.92	19.17	18.96	19.12	19.13	20.00
15	1	LOW	Q16	18.97	18.99	18.92	19.19	18.98	20.00
		MID	Q16	19.19	19.13	19.18	18.92	18.96	20.00
		HIGH	Q16	18.95	19.17	19.13	18.92	19.04	20.00
	36	LOW	Q16	19.14	19.11	19.11	19.19	19.16	20.00
		MID	Q16	19.09	19.20	19.05	19.00	19.12	20.00
		HIGH	Q16	19.16	19.06	19.00	19.04	18.94	20.00
	75	LOW	Q16	18.95	18.95	19.19	19.20	19.01	20.00
15	1	LOW	64QAM	19.06	19.10	18.90	18.96	18.96	20.00
		MID	64QAM	19.07	19.20	19.02	19.15	19.09	20.00
		HIGH	64QAM	19.08	19.14	19.06	19.03	19.09	20.00
	36	LOW	64QAM	18.96	19.16	18.91	19.04	19.14	20.00
		MID	64QAM	18.93	18.90	19.18	19.12	18.96	20.00
		HIGH	64QAM	19.16	18.97	19.02	19.08	18.95	20.00
	75	LOW	64QAM	18.98	18.95	19.14	18.97	19.18	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	18.94	19.15	19.19	19.08	18.90	20.00
		MID	QPSK	19.11	19.03	19.07	19.01	19.15	20.00
		HIGH	QPSK	18.91	18.96	19.15	19.17	19.11	20.00
	50	LOW	QPSK	19.19	19.17	19.00	18.93	19.10	20.00
		MID	QPSK	19.13	19.07	19.13	19.12	19.16	20.00
		HIGH	QPSK	18.90	19.11	19.10	18.98	19.03	20.00
	100	LOW	QPSK	18.93	19.07	19.12	18.99	19.05	20.00
20	1	LOW	Q16	19.07	19.09	19.20	19.17	19.05	20.00
		MID	Q16	19.00	19.19	19.07	19.20	18.91	20.00
		HIGH	Q16	19.01	19.17	19.00	18.97	19.07	20.00
	50	LOW	Q16	19.00	19.09	19.09	19.13	19.01	20.00
		MID	Q16	18.98	18.98	18.93	19.17	19.09	20.00
		HIGH	Q16	19.18	19.16	18.99	19.07	18.91	20.00
	100	LOW	Q16	18.94	19.07	19.04	19.05	18.97	20.00
20	1	LOW	64QAM	18.96	19.08	19.20	19.16	18.95	20.00
		MID	64QAM	18.90	19.00	18.93	19.18	18.90	20.00
		HIGH	64QAM	19.04	18.93	19.18	18.95	18.97	20.00
	50	LOW	64QAM	19.16	18.98	19.00	19.19	19.09	20.00
		MID	64QAM	19.02	18.93	19.11	18.98	19.00	20.00
		HIGH	64QAM	18.98	19.08	19.10	18.95	19.00	20.00
	100	LOW	64QAM	19.11	19.18	19.20	19.10	18.95	20.00

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LTE B41-Level2 -Ant.4(PC2)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	22.53	22.63	22.52	22.50	22.53	23.50
		MID	QPSK	22.41	22.45	22.51	22.50	22.62	23.50
		HIGH	QPSK	22.68	22.50	22.41	22.40	22.44	23.50
	12	LOW	QPSK	22.46	22.50	22.59	22.61	22.59	23.50
		MID	QPSK	22.55	22.61	22.59	22.48	22.51	23.50
		HIGH	QPSK	22.55	22.58	22.48	22.58	22.69	23.50
	25	LOW	QPSK	22.65	22.60	22.61	22.62	22.51	23.50
5	1	LOW	Q16	22.52	22.40	22.50	22.44	22.54	23.50
		MID	Q16	22.48	22.66	22.53	22.43	22.66	23.50
		HIGH	Q16	22.48	22.45	22.66	22.55	22.40	23.50
	12	LOW	Q16	22.49	22.44	22.49	22.61	22.66	23.50
		MID	Q16	22.66	22.60	22.49	22.64	22.60	23.50
		HIGH	Q16	22.59	22.55	22.60	22.68	22.66	23.50
	25	LOW	Q16	22.49	22.42	22.42	22.42	22.58	23.50
5	1	LOW	64QAM	22.46	22.65	22.64	22.55	22.62	23.50
		MID	64QAM	22.43	22.65	22.57	22.56	22.62	23.50
		HIGH	64QAM	22.45	22.53	22.58	22.70	22.58	23.50
	12	LOW	64QAM	21.49	21.45	21.65	21.50	21.55	22.50
		MID	64QAM	21.54	21.51	21.49	21.43	21.52	22.50
		HIGH	64QAM	21.55	21.57	21.51	21.42	21.66	22.50
	25	LOW	64QAM	21.63	21.44	21.50	21.41	21.53	22.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	22.64	22.55	22.68	22.54	22.46	23.50
		MID	QPSK	22.67	22.56	22.43	22.57	22.41	23.50
		HIGH	QPSK	22.42	22.42	22.62	22.45	22.41	23.50
	25	LOW	QPSK	22.64	22.55	22.58	22.59	22.67	23.50
		MID	QPSK	22.50	22.57	22.50	22.45	22.66	23.50
		HIGH	QPSK	22.46	22.64	22.56	22.48	22.50	23.50
	50	LOW	QPSK	22.46	22.69	22.56	22.49	22.67	23.50
10	1	LOW	Q16	22.61	22.48	22.55	22.50	22.44	23.50
		MID	Q16	22.55	22.62	22.43	22.60	22.44	23.50
		HIGH	Q16	22.58	22.63	22.51	22.44	22.65	23.50
	25	LOW	Q16	22.62	22.64	22.70	22.63	22.61	23.50
		MID	Q16	22.53	22.49	22.43	22.57	22.68	23.50
		HIGH	Q16	22.70	22.55	22.54	22.62	22.53	23.50
	50	LOW	Q16	22.45	22.50	22.52	22.49	22.59	23.50
10	1	LOW	64QAM	22.49	22.58	22.40	22.67	22.55	23.50
		MID	64QAM	22.63	22.44	22.57	22.43	22.50	23.50
		HIGH	64QAM	22.57	22.59	22.41	22.44	22.45	23.50
	25	LOW	64QAM	21.69	21.43	21.51	21.44	21.60	22.50
		MID	64QAM	21.45	21.59	21.57	21.43	21.46	22.50
		HIGH	64QAM	21.60	21.62	21.51	21.57	21.55	22.50
	50	LOW	64QAM	21.43	21.62	21.58	21.50	21.69	22.50

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LTE B41-Level2 -Ant.4(PC2)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	22.44	22.40	22.56	22.66	22.70	23.50
		MID	QPSK	22.69	22.53	22.57	22.55	22.58	23.50
		HIGH	QPSK	22.58	22.67	22.60	22.59	22.41	23.50
	36	LOW	QPSK	22.56	22.40	22.61	22.45	22.58	23.50
		MID	QPSK	22.67	22.54	22.53	22.47	22.45	23.50
		HIGH	QPSK	22.63	22.55	22.51	22.69	22.58	23.50
	75	LOW	QPSK	22.68	22.47	22.68	22.62	22.40	23.50
15	1	LOW	Q16	22.65	22.66	22.49	22.42	22.70	23.50
		MID	Q16	22.52	22.42	22.44	22.69	22.54	23.50
		HIGH	Q16	22.57	22.58	22.44	22.62	22.54	23.50
	36	LOW	Q16	22.61	22.52	22.61	22.69	22.55	23.50
		MID	Q16	22.49	22.51	22.52	22.63	22.70	23.50
		HIGH	Q16	22.61	22.67	22.43	22.43	22.56	23.50
	75	LOW	Q16	22.57	22.57	22.70	22.47	22.47	23.50
15	1	LOW	64QAM	22.46	22.50	22.40	22.69	22.46	23.50
		MID	64QAM	22.58	22.55	22.67	22.54	22.45	23.50
		HIGH	64QAM	22.45	22.45	22.62	22.65	22.67	23.50
	36	LOW	64QAM	21.55	21.64	21.42	21.54	21.58	22.50
		MID	64QAM	21.63	21.63	21.65	21.62	21.65	22.50
		HIGH	64QAM	21.55	21.55	21.41	21.54	21.47	22.50
	75	LOW	64QAM	21.51	21.48	21.49	21.70	21.42	22.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	22.40	22.57	22.53	22.69	22.57	23.50
		MID	QPSK	22.41	22.40	22.63	22.47	22.48	23.50
		HIGH	QPSK	22.60	22.62	22.69	22.67	22.61	23.50
	50	LOW	QPSK	22.49	22.58	22.40	22.63	22.62	23.50
		MID	QPSK	22.40	22.70	22.68	22.47	22.60	23.50
		HIGH	QPSK	22.40	22.45	22.60	22.64	22.57	23.50
	100	LOW	QPSK	22.47	22.67	22.52	22.54	22.57	23.50
20	1	LOW	Q16	22.42	22.67	22.51	22.67	22.60	23.50
		MID	Q16	22.40	22.63	22.65	22.64	22.49	23.50
		HIGH	Q16	22.52	22.45	22.67	22.46	22.44	23.50
	50	LOW	Q16	22.44	22.52	22.68	22.64	22.53	23.50
		MID	Q16	22.62	22.61	22.48	22.65	22.42	23.50
		HIGH	Q16	22.46	22.62	22.47	22.57	22.40	23.50
	100	LOW	Q16	22.55	22.60	22.44	22.65	22.51	23.50
20	1	LOW	64QAM	22.41	22.64	22.41	22.44	22.46	23.50
		MID	64QAM	22.63	22.41	22.52	22.54	22.59	23.50
		HIGH	64QAM	22.46	22.42	22.69	22.69	22.58	23.50
	50	LOW	64QAM	21.63	21.65	21.60	21.41	21.70	22.50
		MID	64QAM	21.61	21.62	21.63	21.48	21.55	22.50
		HIGH	64QAM	21.45	21.65	21.59	21.44	21.59	22.50
	100	LOW	64QAM	21.68	21.53	21.43	21.68	21.61	22.50

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LTE B41-Level3 -Ant.4(PC2)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	17.98	18.05	18.15	17.99	18.07	19.00
		MID	QPSK	18.12	18.04	18.15	18.12	17.94	19.00
		HIGH	QPSK	18.11	18.18	18.18	18.10	18.09	19.00
	12	LOW	QPSK	18.03	18.09	18.09	18.02	17.92	19.00
		MID	QPSK	18.17	18.07	18.15	17.92	17.95	19.00
		HIGH	QPSK	18.12	17.91	18.06	17.99	18.04	19.00
	25	LOW	QPSK	18.12	18.17	18.14	17.95	18.06	19.00
5	1	LOW	Q16	18.08	17.91	18.04	18.19	18.07	19.00
		MID	Q16	18.00	18.19	18.06	17.99	18.01	19.00
		HIGH	Q16	18.05	17.94	17.97	17.91	18.07	19.00
	12	LOW	Q16	18.13	18.07	18.13	17.92	18.18	19.00
		MID	Q16	18.04	18.05	18.03	17.92	17.97	19.00
		HIGH	Q16	18.04	18.15	18.03	17.98	17.91	19.00
	25	LOW	Q16	17.96	18.08	17.95	17.90	18.17	19.00
5	1	LOW	64QAM	18.18	17.99	17.91	17.99	18.03	19.00
		MID	64QAM	18.19	18.03	18.08	17.93	17.96	19.00
		HIGH	64QAM	17.97	17.92	18.20	18.14	17.92	19.00
	12	LOW	64QAM	18.16	18.08	18.05	18.00	17.97	19.00
		MID	64QAM	18.00	18.20	18.20	18.11	17.94	19.00
		HIGH	64QAM	17.95	18.07	17.91	18.17	18.14	19.00
	25	LOW	64QAM	18.07	17.91	17.97	17.95	18.20	19.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	18.11	18.01	17.92	17.90	18.16	19.00
		MID	QPSK	18.09	17.95	18.08	18.05	18.14	19.00
		HIGH	QPSK	18.04	17.99	18.04	18.17	18.02	19.00
	25	LOW	QPSK	18.13	18.04	18.20	18.02	18.09	19.00
		MID	QPSK	17.93	18.19	18.03	17.94	18.11	19.00
		HIGH	QPSK	18.05	18.19	17.94	18.16	17.92	19.00
	50	LOW	QPSK	17.99	18.19	18.04	17.93	17.96	19.00
10	1	LOW	Q16	18.07	17.94	18.17	18.16	18.05	19.00
		MID	Q16	18.11	18.10	18.04	17.90	17.97	19.00
		HIGH	Q16	18.02	18.07	17.91	18.09	18.17	19.00
	25	LOW	Q16	17.93	18.13	18.06	17.93	18.00	19.00
		MID	Q16	18.11	18.15	18.20	18.02	17.92	19.00
		HIGH	Q16	18.05	17.96	18.14	17.92	17.90	19.00
	50	LOW	Q16	18.15	18.19	18.10	17.94	18.16	19.00
10	1	LOW	64QAM	18.08	17.98	18.09	18.14	18.18	19.00
		MID	64QAM	18.07	18.01	17.99	17.93	18.08	19.00
		HIGH	64QAM	18.12	18.08	17.91	17.95	18.02	19.00
	25	LOW	64QAM	17.98	17.99	18.00	18.08	18.07	19.00
		MID	64QAM	18.08	18.20	17.97	17.99	18.19	19.00
		HIGH	64QAM	17.97	17.95	18.09	18.13	18.07	19.00
	50	LOW	64QAM	17.98	17.92	18.20	18.08	17.99	19.00

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LTE B41-Level3 -Ant.4(PC2)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	17.91	18.01	18.17	18.12	18.09	19.00
		MID	QPSK	18.08	17.94	17.97	17.96	18.19	19.00
		HIGH	QPSK	18.18	18.00	18.19	18.18	17.93	19.00
	36	LOW	QPSK	17.99	18.03	18.16	17.99	18.12	19.00
		MID	QPSK	18.02	18.06	18.04	18.15	18.14	19.00
		HIGH	QPSK	18.15	18.01	18.14	18.06	17.91	19.00
	75	LOW	QPSK	18.12	18.00	18.09	18.01	18.13	19.00
15	1	LOW	Q16	18.03	18.09	17.93	18.08	18.08	19.00
		MID	Q16	17.93	17.92	18.05	17.94	18.00	19.00
		HIGH	Q16	18.16	18.01	17.93	18.03	18.01	19.00
	36	LOW	Q16	18.16	18.20	17.93	17.98	18.01	19.00
		MID	Q16	18.19	18.20	18.05	17.98	18.06	19.00
		HIGH	Q16	17.91	17.98	18.03	18.18	18.14	19.00
	75	LOW	Q16	18.09	18.19	17.99	18.01	17.97	19.00
15	1	LOW	64QAM	17.97	17.91	18.08	18.11	18.12	19.00
		MID	64QAM	18.18	17.94	18.10	18.04	18.05	19.00
		HIGH	64QAM	18.18	18.20	17.93	18.09	18.00	19.00
	36	LOW	64QAM	18.09	18.19	18.08	18.02	18.17	19.00
		MID	64QAM	18.13	18.02	18.11	18.06	18.10	19.00
		HIGH	64QAM	17.97	18.04	18.15	17.96	18.11	19.00
	75	LOW	64QAM	18.09	17.95	17.95	18.17	18.15	19.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	18.01	17.91	17.90	18.03	17.92	19.00
		MID	QPSK	17.99	18.02	18.07	17.98	17.97	19.00
		HIGH	QPSK	18.07	18.17	18.13	18.07	18.14	19.00
	50	LOW	QPSK	18.16	18.02	18.08	18.15	17.98	19.00
		MID	QPSK	18.16	17.99	17.93	18.01	18.20	19.00
		HIGH	QPSK	17.95	17.92	18.06	18.20	17.92	19.00
	100	LOW	QPSK	18.15	18.15	18.06	17.99	18.07	19.00
20	1	LOW	Q16	18.00	18.17	18.05	18.07	17.92	19.00
		MID	Q16	18.19	17.91	17.95	18.07	17.90	19.00
		HIGH	Q16	18.20	18.17	18.04	18.01	17.98	19.00
	50	LOW	Q16	18.11	18.05	17.95	18.17	18.05	19.00
		MID	Q16	17.92	18.08	18.19	18.14	18.09	19.00
		HIGH	Q16	18.00	18.09	17.93	18.09	18.17	19.00
	100	LOW	Q16	18.04	18.18	18.15	18.14	18.15	19.00
20	1	LOW	64QAM	18.04	18.16	17.98	17.99	18.08	19.00
		MID	64QAM	18.08	18.07	18.01	18.08	18.18	19.00
		HIGH	64QAM	18.14	18.03	17.95	18.06	18.01	19.00
	50	LOW	64QAM	18.00	18.12	18.07	18.08	17.91	19.00
		MID	64QAM	17.90	18.04	17.90	18.02	18.02	19.00
		HIGH	64QAM	18.10	18.09	17.93	18.11	18.04	19.00
	100	LOW	64QAM	18.07	17.95	18.04	18.12	18.15	19.00

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LTE B41-Level4 -Ant.4(PC2)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	20.42	20.63	20.48	20.53	20.41	21.50
		MID	QPSK	20.58	20.70	20.68	20.56	20.47	21.50
		HIGH	QPSK	20.45	20.48	20.66	20.41	20.50	21.50
	12	LOW	QPSK	20.64	20.59	20.43	20.54	20.54	21.50
		MID	QPSK	20.45	20.61	20.53	20.60	20.66	21.50
		HIGH	QPSK	20.56	20.47	20.69	20.55	20.70	21.50
	25	LOW	QPSK	20.57	20.61	20.60	20.41	20.64	21.50
5	1	LOW	Q16	20.51	20.48	20.68	20.55	20.58	21.50
		MID	Q16	20.42	20.57	20.63	20.56	20.62	21.50
		HIGH	Q16	20.64	20.53	20.63	20.51	20.61	21.50
	12	LOW	Q16	20.60	20.56	20.54	20.46	20.58	21.50
		MID	Q16	20.47	20.64	20.57	20.65	20.58	21.50
		HIGH	Q16	20.56	20.70	20.60	20.53	20.64	21.50
	25	LOW	Q16	20.44	20.46	20.53	20.67	20.59	21.50
5	1	LOW	64QAM	20.59	20.52	20.68	20.60	20.47	21.50
		MID	64QAM	20.46	20.48	20.44	20.40	20.53	21.50
		HIGH	64QAM	20.42	20.56	20.48	20.68	20.68	21.50
	12	LOW	64QAM	20.40	20.45	20.45	20.66	20.62	21.50
		MID	64QAM	20.66	20.66	20.48	20.42	20.43	21.50
		HIGH	64QAM	20.61	20.69	20.57	20.50	20.52	21.50
	25	LOW	64QAM	20.65	20.45	20.40	20.43	20.70	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	20.40	20.41	20.45	20.57	20.70	21.50
		MID	QPSK	20.60	20.68	20.46	20.44	20.57	21.50
		HIGH	QPSK	20.63	20.48	20.56	20.64	20.41	21.50
	25	LOW	QPSK	20.57	20.61	20.42	20.70	20.53	21.50
		MID	QPSK	20.62	20.66	20.69	20.54	20.69	21.50
		HIGH	QPSK	20.51	20.41	20.49	20.51	20.66	21.50
	50	LOW	QPSK	20.56	20.57	20.54	20.70	20.48	21.50
10	1	LOW	Q16	20.47	20.62	20.53	20.46	20.48	21.50
		MID	Q16	20.69	20.46	20.44	20.62	20.61	21.50
		HIGH	Q16	20.45	20.57	20.63	20.44	20.69	21.50
	25	LOW	Q16	20.46	20.44	20.40	20.65	20.59	21.50
		MID	Q16	20.51	20.42	20.46	20.59	20.47	21.50
		HIGH	Q16	20.46	20.44	20.67	20.61	20.42	21.50
	50	LOW	Q16	20.40	20.64	20.63	20.40	20.50	21.50
10	1	LOW	64QAM	20.53	20.58	20.63	20.65	20.52	21.50
		MID	64QAM	20.57	20.70	20.52	20.50	20.41	21.50
		HIGH	64QAM	20.70	20.47	20.58	20.62	20.43	21.50
	25	LOW	64QAM	20.49	20.45	20.58	20.61	20.64	21.50
		MID	64QAM	20.46	20.55	20.61	20.59	20.49	21.50
		HIGH	64QAM	20.48	20.70	20.55	20.63	20.42	21.50
	50	LOW	64QAM	20.52	20.41	20.53	20.67	20.42	21.50

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LTE B41-Level4 -Ant.4(PC2)

Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	20.69	20.50	20.59	20.42	20.50	21.50
		MID	QPSK	20.45	20.57	20.63	20.54	20.50	21.50
		HIGH	QPSK	20.59	20.58	20.44	20.54	20.48	21.50
	36	LOW	QPSK	20.48	20.43	20.64	20.43	20.57	21.50
		MID	QPSK	20.57	20.68	20.70	20.53	20.67	21.50
		HIGH	QPSK	20.59	20.52	20.47	20.47	20.40	21.50
	75	LOW	QPSK	20.40	20.43	20.70	20.64	20.51	21.50
15	1	LOW	Q16	20.60	20.54	20.63	20.40	20.51	21.50
		MID	Q16	20.42	20.47	20.62	20.56	20.63	21.50
		HIGH	Q16	20.44	20.61	20.49	20.42	20.52	21.50
	36	LOW	Q16	20.60	20.56	20.45	20.46	20.67	21.50
		MID	Q16	20.45	20.62	20.61	20.70	20.51	21.50
		HIGH	Q16	20.66	20.41	20.50	20.52	20.68	21.50
	75	LOW	Q16	20.41	20.40	20.50	20.53	20.60	21.50
15	1	LOW	64QAM	20.45	20.43	20.57	20.60	20.65	21.50
		MID	64QAM	20.58	20.47	20.58	20.62	20.61	21.50
		HIGH	64QAM	20.42	20.44	20.53	20.66	20.56	21.50
	36	LOW	64QAM	20.43	20.67	20.52	20.61	20.47	21.50
		MID	64QAM	20.60	20.58	20.49	20.49	20.49	21.50
		HIGH	64QAM	20.52	20.63	20.53	20.65	20.58	21.50
	75	LOW	64QAM	20.60	20.56	20.69	20.65	20.66	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	20.63	20.43	20.44	20.67	20.49	21.50
		MID	QPSK	20.60	20.66	20.48	20.49	20.49	21.50
		HIGH	QPSK	20.52	20.59	20.42	20.45	20.65	21.50
	50	LOW	QPSK	20.66	20.62	20.59	20.57	20.40	21.50
		MID	QPSK	20.61	20.56	20.42	20.60	20.55	21.50
		HIGH	QPSK	20.70	20.44	20.44	20.65	20.50	21.50
	100	LOW	QPSK	20.65	20.59	20.58	20.68	20.45	21.50
20	1	LOW	Q16	20.42	20.58	20.60	20.40	20.59	21.50
		MID	Q16	20.61	20.55	20.64	20.61	20.66	21.50
		HIGH	Q16	20.53	20.65	20.45	20.61	20.54	21.50
	50	LOW	Q16	20.70	20.42	20.65	20.62	20.66	21.50
		MID	Q16	20.57	20.42	20.45	20.60	20.41	21.50
		HIGH	Q16	20.64	20.68	20.58	20.63	20.60	21.50
	100	LOW	Q16	20.42	20.62	20.69	20.54	20.60	21.50
20	1	LOW	64QAM	20.44	20.64	20.44	20.58	20.63	21.50
		MID	64QAM	20.60	20.57	20.66	20.53	20.48	21.50
		HIGH	64QAM	20.40	20.48	20.56	20.63	20.68	21.50
	50	LOW	64QAM	20.49	20.43	20.48	20.55	20.69	21.50
		MID	64QAM	20.40	20.49	20.69	20.44	20.44	21.50
		HIGH	64QAM	20.40	20.43	20.59	20.49	20.44	21.50
	100	LOW	64QAM	20.56	20.69	20.66	20.54	20.70	21.50

8.3.9 LTE Band41 Output Power

LTE B41-Full Power -Ant.1(Only for ENDC)(PC3)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	22.61	22.85	22.37	22.82	22.51	23.50
		MID	QPSK	**23.13**	22.78	22.54	22.74	23.00	23.50
		HIGH	QPSK	22.68	22.70	22.54	22.67	22.96	23.50
	12	LOW	QPSK	21.91	21.85	21.34	22.11	21.90	22.50
		MID	QPSK	21.82	21.98	21.93	22.08	21.87	22.50
		HIGH	QPSK	21.98	21.88	21.43	21.75	21.92	22.50
	25	LOW	QPSK	22.17	22.03	21.42	22.07	21.89	22.50
5	1	LOW	Q16	22.28	22.26	21.57	22.19	22.27	22.50
		MID	Q16	22.02	22.42	21.73	22.07	22.44	22.50
		HIGH	Q16	21.97	21.99	21.51	22.00	22.31	22.50
	12	LOW	Q16	21.36	21.10	21.04	21.21	21.14	21.50
		MID	Q16	21.16	21.38	21.04	21.06	21.29	21.50
		HIGH	Q16	21.20	21.04	21.14	21.37	21.24	21.50
	25	LOW	Q16	21.23	21.38	21.01	21.39	21.09	21.50
5	1	LOW	64QAM	20.97	21.20	20.67	21.11	21.01	21.50
		MID	64QAM	21.05	21.22	20.56	21.12	21.31	21.50
		HIGH	64QAM	21.03	21.19	20.45	20.63	21.10	21.50
	12	LOW	64QAM	19.81	19.78	19.40	19.74	19.60	20.50
		MID	64QAM	19.85	19.94	19.49	19.84	19.55	20.50
		HIGH	64QAM	19.72	19.73	19.59	19.93	19.85	20.50
	25	LOW	64QAM	19.76	20.02	19.38	19.86	19.56	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	22.80	22.79	22.36	22.65	22.83	23.50
		MID	QPSK	22.98	22.66	22.45	22.87	**23.06**	23.50
		HIGH	QPSK	22.70	22.58	22.48	22.66	22.92	23.50
	25	LOW	QPSK	22.03	21.78	21.69	21.77	21.85	22.50
		MID	QPSK	22.25	21.86	21.83	21.86	21.68	22.50
		HIGH	QPSK	21.78	22.01	21.37	21.90	21.95	22.50
	50	LOW	QPSK	22.01	22.06	21.67	22.12	21.79	22.50
10	1	LOW	Q16	21.97	22.35	21.96	22.33	22.02	22.50
		MID	Q16	22.41	22.33	21.82	22.28	22.26	22.50
		HIGH	Q16	22.14	22.32	21.62	21.88	22.09	22.50
	25	LOW	Q16	21.20	20.97	21.18	21.00	21.33	21.50
		MID	Q16	21.23	21.48	21.10	21.07	21.11	21.50
		HIGH	Q16	21.20	21.36	20.73	21.29	21.31	21.50
	50	LOW	Q16	21.29	21.31	21.19	20.88	21.05	21.50
10	1	LOW	64QAM	21.08	21.37	20.60	21.16	21.03	21.50
		MID	64QAM	21.17	21.33	20.71	20.97	21.01	21.50
		HIGH	64QAM	20.96	20.92	20.38	20.81	21.18	21.50
	25	LOW	64QAM	19.64	19.87	19.48	19.67	19.49	20.50
		MID	64QAM	19.63	20.06	19.57	19.57	19.76	20.50
		HIGH	64QAM	19.86	19.75	19.44	20.12	19.65	20.50
	50	LOW	64QAM	19.64	19.85	19.64	19.58	19.55	20.50

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LTE B41-Full Power -Ant.1(Only for ENDC)(PC3)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	22.82	22.85	22.78	22.75	22.72	23.50
		MID	QPSK	**22.97**	22.67	22.65	22.81	22.80	23.50
		HIGH	QPSK	22.61	22.48	22.32	22.72	22.75	23.50
	36	LOW	QPSK	21.90	21.84	21.39	21.93	21.90	22.50
		MID	QPSK	21.87	22.08	21.55	22.22	21.78	22.50
		HIGH	QPSK	21.77	21.80	21.63	21.66	21.83	22.50
	75	LOW	QPSK	22.02	22.27	21.40	22.02	21.53	22.50
15	1	LOW	Q16	22.44	22.20	21.75	22.25	22.41	22.50
		MID	Q16	22.35	22.45	21.56	22.19	22.36	22.50
		HIGH	Q16	22.19	22.19	21.60	22.08	22.24	22.50
	36	LOW	Q16	21.31	21.24	20.99	21.19	21.27	21.50
		MID	Q16	21.35	21.05	20.83	20.99	21.19	21.50
		HIGH	Q16	21.37	21.02	21.03	21.39	21.28	21.50
	75	LOW	Q16	21.26	21.31	21.12	21.29	21.02	21.50
15	1	LOW	64QAM	20.77	20.94	20.44	21.05	21.20	21.50
		MID	64QAM	21.11	20.98	20.58	21.12	21.35	21.50
		HIGH	64QAM	20.95	20.91	20.51	21.11	21.05	21.50
	36	LOW	64QAM	19.77	19.70	19.37	19.37	19.55	20.50
		MID	64QAM	19.76	19.86	19.45	19.78	19.73	20.50
		HIGH	64QAM	19.58	19.69	19.58	20.06	19.75	20.50
	75	LOW	64QAM	19.73	20.01	19.67	19.39	19.73	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	**23.02**	22.81	22.83	22.69	22.90	23.50
		MID	QPSK	23.00	22.79	22.82	22.71	22.85	23.50
		HIGH	QPSK	22.97	22.85	22.67	22.95	22.89	23.50
	50	LOW	QPSK	21.78	21.93	21.90	21.89	21.81	22.50
		MID	QPSK	21.95	21.86	21.95	21.81	21.74	22.50
		HIGH	QPSK	21.76	21.92	21.98	21.92	21.91	22.50
	100	LOW	QPSK	21.80	22.02	21.83	21.78	21.93	22.50
20	1	LOW	Q16	22.34	22.30	21.68	22.39	22.24	22.50
		MID	Q16	22.20	22.24	21.62	22.11	22.15	22.50
		HIGH	Q16	22.08	22.14	21.55	22.12	22.22	22.50
	50	LOW	Q16	21.10	21.10	20.73	21.15	21.30	21.50
		MID	Q16	21.26	21.45	21.15	21.12	21.29	21.50
		HIGH	Q16	21.18	21.28	20.89	21.41	21.27	21.50
	100	LOW	Q16	21.23	21.39	21.02	21.05	21.09	21.50
20	1	LOW	64QAM	21.19	21.41	20.35	21.18	20.90	21.50
		MID	64QAM	21.01	21.04	20.72	20.93	21.24	21.50
		HIGH	64QAM	21.22	21.11	20.48	20.86	20.82	21.50
	50	LOW	64QAM	19.86	19.61	19.47	19.26	19.79	20.50
		MID	64QAM	20.01	19.86	19.41	19.55	19.56	20.50
		HIGH	64QAM	19.72	19.59	19.62	19.97	19.74	20.50
	100	LOW	64QAM	19.87	19.97	19.47	19.61	19.69	20.50

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LTE B41-Level1&2&3&4 -Ant.1(Only for ENDC)(PC3)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	22.61	22.85	22.37	22.82	22.51	23.50
		MID	QPSK	**23.13**	22.78	22.54	22.74	23.00	23.50
		HIGH	QPSK	22.68	22.70	22.54	22.67	22.96	23.50
	12	LOW	QPSK	21.91	21.85	21.34	22.11	21.90	22.50
		MID	QPSK	21.82	21.98	21.93	22.08	21.87	22.50
		HIGH	QPSK	21.98	21.88	21.43	21.75	21.92	22.50
	25	LOW	QPSK	22.17	22.03	21.42	22.07	21.89	22.50
5	1	LOW	Q16	22.28	22.26	21.57	22.19	22.27	22.50
		MID	Q16	22.02	22.42	21.73	22.07	22.44	22.50
		HIGH	Q16	21.97	21.99	21.51	22.00	22.31	22.50
	12	LOW	Q16	21.36	21.10	21.04	21.21	21.14	21.50
		MID	Q16	21.16	21.38	21.04	21.06	21.29	21.50
		HIGH	Q16	21.20	21.04	21.14	21.37	21.24	21.50
	25	LOW	Q16	21.23	21.38	21.01	21.39	21.09	21.50
5	1	LOW	64QAM	20.97	21.20	20.67	21.11	21.01	21.50
		MID	64QAM	21.05	21.22	20.56	21.12	21.31	21.50
		HIGH	64QAM	21.03	21.19	20.45	20.63	21.10	21.50
	12	LOW	64QAM	19.81	19.78	19.40	19.74	19.60	20.50
		MID	64QAM	19.85	19.94	19.49	19.84	19.55	20.50
		HIGH	64QAM	19.72	19.73	19.59	19.93	19.85	20.50
	25	LOW	64QAM	19.76	20.02	19.38	19.86	19.56	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	22.80	22.79	22.36	22.65	22.83	23.50
		MID	QPSK	22.98	22.66	22.45	22.87	**23.06**	23.50
		HIGH	QPSK	22.70	22.58	22.48	22.66	22.92	23.50
	25	LOW	QPSK	22.03	21.78	21.69	21.77	21.85	22.50
		MID	QPSK	22.25	21.86	21.83	21.86	21.68	22.50
		HIGH	QPSK	21.78	22.01	21.37	21.90	21.95	22.50
	50	LOW	QPSK	22.01	22.06	21.67	22.12	21.79	22.50
10	1	LOW	Q16	21.97	22.35	21.96	22.33	22.02	22.50
		MID	Q16	22.41	22.33	21.82	22.28	22.26	22.50
		HIGH	Q16	22.14	22.32	21.62	21.88	22.09	22.50
	25	LOW	Q16	21.20	20.97	21.18	21.00	21.33	21.50
		MID	Q16	21.23	21.48	21.10	21.07	21.11	21.50
		HIGH	Q16	21.20	21.36	20.73	21.29	21.31	21.50
	50	LOW	Q16	21.29	21.31	21.19	20.88	21.05	21.50
10	1	LOW	64QAM	21.08	21.37	20.60	21.16	21.03	21.50
		MID	64QAM	21.17	21.33	20.71	20.97	21.01	21.50
		HIGH	64QAM	20.96	20.92	20.38	20.81	21.18	21.50
	25	LOW	64QAM	19.64	19.87	19.48	19.67	19.49	20.50
		MID	64QAM	19.63	20.06	19.57	19.57	19.76	20.50
		HIGH	64QAM	19.86	19.75	19.44	20.12	19.65	20.50
	50	LOW	64QAM	19.64	19.85	19.64	19.58	19.55	20.50

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LTE B41-Level1&2&3&4 -Ant.1(Only for ENDC)(PC3)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	22.82	22.85	22.78	22.75	22.72	23.50
		MID	QPSK	**22.97**	22.67	22.65	22.81	22.80	23.50
		HIGH	QPSK	22.61	22.48	22.32	22.72	22.75	23.50
	36	LOW	QPSK	21.90	21.84	21.39	21.93	21.90	22.50
		MID	QPSK	21.87	22.08	21.55	22.22	21.78	22.50
		HIGH	QPSK	21.77	21.80	21.63	21.66	21.83	22.50
	75	LOW	QPSK	22.02	22.27	21.40	22.02	21.53	22.50
15	1	LOW	Q16	22.44	22.20	21.75	22.25	22.41	22.50
		MID	Q16	22.35	22.45	21.56	22.19	22.36	22.50
		HIGH	Q16	22.19	22.19	21.60	22.08	22.24	22.50
	36	LOW	Q16	21.31	21.24	20.99	21.19	21.27	21.50
		MID	Q16	21.35	21.05	20.83	20.99	21.19	21.50
		HIGH	Q16	21.37	21.02	21.03	21.39	21.28	21.50
	75	LOW	Q16	21.26	21.31	21.12	21.29	21.02	21.50
15	1	LOW	64QAM	20.77	20.94	20.44	21.05	21.20	21.50
		MID	64QAM	21.11	20.98	20.58	21.12	21.35	21.50
		HIGH	64QAM	20.95	20.91	20.51	21.11	21.05	21.50
	36	LOW	64QAM	19.77	19.70	19.37	19.37	19.55	20.50
		MID	64QAM	19.76	19.86	19.45	19.78	19.73	20.50
		HIGH	64QAM	19.58	19.69	19.58	20.06	19.75	20.50
	75	LOW	64QAM	19.73	20.01	19.67	19.39	19.73	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	**23.02**	22.81	22.83	22.69	22.90	23.50
		MID	QPSK	23.00	22.79	22.82	22.71	22.85	23.50
		HIGH	QPSK	22.97	22.85	22.67	22.95	22.89	23.50
	50	LOW	QPSK	21.78	21.93	21.90	21.89	21.81	22.50
		MID	QPSK	21.95	21.86	21.95	21.81	21.74	22.50
		HIGH	QPSK	21.76	21.92	21.98	21.92	21.91	22.50
	100	LOW	QPSK	21.80	22.02	21.83	21.78	21.93	22.50
20	1	LOW	Q16	22.34	22.30	21.68	22.39	22.24	22.50
		MID	Q16	22.20	22.24	21.62	22.11	22.15	22.50
		HIGH	Q16	22.08	22.14	21.55	22.12	22.22	22.50
	50	LOW	Q16	21.10	21.10	20.73	21.15	21.30	21.50
		MID	Q16	21.26	21.45	21.15	21.12	21.29	21.50
		HIGH	Q16	21.18	21.28	20.89	21.41	21.27	21.50
	100	LOW	Q16	21.23	21.39	21.02	21.05	21.09	21.50
20	1	LOW	64QAM	21.19	21.41	20.35	21.18	20.90	21.50
		MID	64QAM	21.01	21.04	20.72	20.93	21.24	21.50
		HIGH	64QAM	21.22	21.11	20.48	20.86	20.82	21.50
	50	LOW	64QAM	19.86	19.61	19.47	19.26	19.79	20.50
		MID	64QAM	20.01	19.86	19.41	19.55	19.56	20.50
		HIGH	64QAM	19.72	19.59	19.62	19.97	19.74	20.50
	100	LOW	64QAM	19.87	19.97	19.47	19.61	19.69	20.50

8.3.9 LTE Band41 Output Power

LTE B41-Full Power -Ant.1(Only for ENDC)(PC2)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	24.71	24.77	24.40	24.74	24.66	25.50
		MID	QPSK	**25.03**	24.89	24.70	24.84	24.94	25.50
		HIGH	QPSK	24.84	24.80	24.57	24.83	24.99	25.50
	12	LOW	QPSK	23.98	23.85	23.49	24.04	23.78	25.00
		MID	QPSK	23.87	23.96	23.83	23.98	23.76	25.00
		HIGH	QPSK	23.93	24.02	23.49	23.76	23.89	25.00
	25	LOW	QPSK	24.08	23.97	23.53	24.05	23.81	25.00
5	1	LOW	Q16	24.19	24.33	23.67	24.11	24.31	25.00
		MID	Q16	24.19	24.43	23.74	24.07	24.32	25.00
		HIGH	Q16	23.86	24.02	23.63	24.14	24.32	25.00
	12	LOW	Q16	23.36	23.27	22.94	23.21	23.23	24.00
		MID	Q16	23.24	23.27	23.05	23.09	23.26	24.00
		HIGH	Q16	23.24	23.07	23.18	23.37	23.16	24.00
	25	LOW	Q16	23.22	23.69	23.00	23.35	23.20	24.00
5	1	LOW	64QAM	23.15	23.19	22.71	23.03	23.06	24.00
		MID	64QAM	23.07	23.16	22.64	23.09	23.18	24.00
		HIGH	64QAM	23.12	23.24	22.62	22.77	23.09	24.00
	12	LOW	64QAM	21.68	21.80	21.44	21.82	21.75	23.00
		MID	64QAM	21.77	21.94	21.41	21.81	21.69	23.00
		HIGH	64QAM	21.74	21.88	21.51	21.84	21.91	23.00
	25	LOW	64QAM	21.82	22.06	21.53	21.76	21.66	23.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	24.81	24.70	24.44	24.68	24.85	25.50
		MID	QPSK	24.86	24.83	24.62	24.85	**25.05**	25.50
		HIGH	QPSK	24.83	24.55	24.60	24.80	24.84	25.50
	25	LOW	QPSK	24.07	23.95	23.71	23.93	23.92	25.00
		MID	QPSK	24.13	23.96	23.70	23.96	23.73	25.00
		HIGH	QPSK	23.85	23.96	23.55	23.84	24.01	25.00
	50	LOW	QPSK	23.96	24.01	23.82	24.15	23.77	25.00
10	1	LOW	Q16	24.11	24.42	23.85	24.25	24.20	25.00
		MID	Q16	24.43	24.37	23.78	24.32	24.42	25.00
		HIGH	Q16	24.06	24.20	23.53	24.00	24.26	25.00
	25	LOW	Q16	23.37	23.04	23.09	23.15	23.23	24.00
		MID	Q16	23.39	23.38	23.22	23.25	23.25	24.00
		HIGH	Q16	23.23	23.42	22.79	23.31	23.28	24.00
	50	LOW	Q16	23.34	23.42	23.06	23.05	23.15	24.00
10	1	LOW	64QAM	23.18	23.25	22.60	23.08	23.01	24.00
		MID	64QAM	23.13	23.37	22.76	22.89	23.16	24.00
		HIGH	64QAM	23.13	22.99	22.49	22.84	23.06	24.00
	25	LOW	64QAM	21.66	21.81	21.53	21.54	21.57	23.00
		MID	64QAM	21.74	21.97	21.52	21.73	21.66	23.00
		HIGH	64QAM	21.96	21.79	21.52	22.08	21.77	23.00
	50	LOW	64QAM	21.78	21.83	21.68	21.49	21.48	23.00

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LTE B41-Full Power -Ant.1(Only for ENDC)(PC2)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	24.72	24.91	24.66	24.92	24.63	25.50
		MID	QPSK	24.90	24.84	24.55	**24.97**	24.74	25.50
		HIGH	QPSK	24.74	24.57	24.43	24.72	24.85	25.50
	36	LOW	QPSK	23.82	23.75	23.55	23.93	23.82	25.00
		MID	QPSK	23.95	24.01	23.55	24.10	23.76	25.00
		HIGH	QPSK	23.76	23.78	23.69	23.66	23.99	25.00
	75	LOW	QPSK	24.06	24.28	23.45	24.13	23.69	25.00
15	1	LOW	Q16	24.34	24.25	23.89	24.36	24.35	25.00
		MID	Q16	24.35	24.47	23.63	24.09	24.58	25.00
		HIGH	Q16	24.28	24.08	23.59	24.04	24.27	25.00
	36	LOW	Q16	23.24	23.11	23.01	23.21	23.38	24.00
		MID	Q16	23.39	23.21	23.01	23.13	23.30	24.00
		HIGH	Q16	23.24	23.13	23.03	23.31	23.21	24.00
	75	LOW	Q16	23.40	23.57	23.09	23.27	23.15	24.00
15	1	LOW	64QAM	22.94	23.06	22.54	23.10	23.25	24.00
		MID	64QAM	22.98	22.97	22.52	23.22	23.32	24.00
		HIGH	64QAM	23.01	22.96	22.47	23.00	23.19	24.00
	36	LOW	64QAM	21.76	21.77	21.52	21.49	21.66	23.00
		MID	64QAM	21.81	21.89	21.49	21.86	21.75	23.00
		HIGH	64QAM	21.62	21.73	21.60	22.03	21.63	23.00
	75	LOW	64QAM	21.60	21.88	21.72	21.50	21.85	23.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	24.92	24.70	24.81	24.78	24.78	25.50
		MID	QPSK	24.91	24.84	24.86	24.72	24.97	25.50
		HIGH	QPSK	24.87	24.83	24.79	**25.00**	24.84	25.50
	50	LOW	QPSK	23.85	23.81	23.86	23.96	23.95	25.00
		MID	QPSK	24.07	23.87	24.05	23.89	23.87	25.00
		HIGH	QPSK	23.86	23.90	24.01	23.83	23.88	25.00
	100	LOW	QPSK	23.89	24.09	23.90	23.90	23.91	25.00
20	1	LOW	Q16	24.34	24.40	23.72	24.28	24.24	25.00
		MID	Q16	24.22	24.26	23.71	24.18	24.30	25.00
		HIGH	Q16	24.09	24.17	23.67	24.08	24.39	25.00
	50	LOW	Q16	23.22	23.10	22.90	23.21	23.28	24.00
		MID	Q16	23.31	23.34	23.06	23.30	23.30	24.00
		HIGH	Q16	23.35	23.30	23.05	23.36	23.21	24.00
	100	LOW	Q16	23.26	23.36	22.98	23.12	23.21	24.00
20	1	LOW	64QAM	23.14	23.29	22.42	23.28	23.01	24.00
		MID	64QAM	22.97	23.22	22.83	22.99	23.18	24.00
		HIGH	64QAM	23.12	23.03	22.47	22.91	22.99	24.00
	50	LOW	64QAM	21.90	21.63	21.58	21.43	21.68	23.00
		MID	64QAM	21.92	21.92	21.34	21.73	21.73	23.00
		HIGH	64QAM	21.82	21.77	21.55	21.84	21.70	23.00
	100	LOW	64QAM	21.84	21.91	21.38	21.75	21.59	23.00

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LTE B41-Level1&2&3&4 -Ant.1(Only for ENDC)(PC2)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	24.71	24.77	24.40	24.74	24.66	25.50
		MID	QPSK	**25.03**	24.89	24.70	24.84	24.94	25.50
		HIGH	QPSK	24.84	24.80	24.57	24.83	24.99	25.50
	12	LOW	QPSK	23.98	23.85	23.49	24.04	23.78	25.00
		MID	QPSK	23.87	23.96	23.83	23.98	23.76	25.00
		HIGH	QPSK	23.93	24.02	23.49	23.76	23.89	25.00
	25	LOW	QPSK	24.08	23.97	23.53	24.05	23.81	25.00
5	1	LOW	Q16	24.19	24.33	23.67	24.11	24.31	25.00
		MID	Q16	24.19	24.43	23.74	24.07	24.32	25.00
		HIGH	Q16	23.86	24.02	23.63	24.14	24.32	25.00
	12	LOW	Q16	23.36	23.27	22.94	23.21	23.23	24.00
		MID	Q16	23.24	23.27	23.05	23.09	23.26	24.00
		HIGH	Q16	23.24	23.07	23.18	23.37	23.16	24.00
	25	LOW	Q16	23.22	23.69	23.00	23.35	23.20	24.00
5	1	LOW	64QAM	23.15	23.19	22.71	23.03	23.06	24.00
		MID	64QAM	23.07	23.16	22.64	23.09	23.18	24.00
		HIGH	64QAM	23.12	23.24	22.62	22.77	23.09	24.00
	12	LOW	64QAM	21.68	21.80	21.44	21.82	21.75	23.00
		MID	64QAM	21.77	21.94	21.41	21.81	21.69	23.00
		HIGH	64QAM	21.74	21.88	21.51	21.84	21.91	23.00
	25	LOW	64QAM	21.82	22.06	21.53	21.76	21.66	23.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	24.81	24.70	24.44	24.68	24.85	25.50
		MID	QPSK	24.86	24.83	24.62	24.85	**25.05**	25.50
		HIGH	QPSK	24.83	24.55	24.60	24.80	24.84	25.50
	25	LOW	QPSK	24.07	23.95	23.71	23.93	23.92	25.00
		MID	QPSK	24.13	23.96	23.70	23.96	23.73	25.00
		HIGH	QPSK	23.85	23.96	23.55	23.84	24.01	25.00
	50	LOW	QPSK	23.96	24.01	23.82	24.15	23.77	25.00
10	1	LOW	Q16	24.11	24.42	23.85	24.25	24.20	25.00
		MID	Q16	24.43	24.37	23.78	24.32	24.42	25.00
		HIGH	Q16	24.06	24.20	23.53	24.00	24.26	25.00
	25	LOW	Q16	23.37	23.04	23.09	23.15	23.23	24.00
		MID	Q16	23.39	23.38	23.22	23.25	23.25	24.00
		HIGH	Q16	23.23	23.42	22.79	23.31	23.28	24.00
	50	LOW	Q16	23.34	23.42	23.06	23.05	23.15	24.00
10	1	LOW	64QAM	23.18	23.25	22.60	23.08	23.01	24.00
		MID	64QAM	23.13	23.37	22.76	22.89	23.16	24.00
		HIGH	64QAM	23.13	22.99	22.49	22.84	23.06	24.00
	25	LOW	64QAM	21.66	21.81	21.53	21.54	21.57	23.00
		MID	64QAM	21.74	21.97	21.52	21.73	21.66	23.00
		HIGH	64QAM	21.96	21.79	21.52	22.08	21.77	23.00
	50	LOW	64QAM	21.78	21.83	21.68	21.49	21.48	23.00

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LTE B41-Level1&2&3&4 -Ant.1(Only for ENDC)(PC2)									
Bandwidth (MHz)	RB Size	RB offest	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	24.72	24.91	24.66	24.92	24.63	25.50
		MID	QPSK	24.90	24.84	24.55	**24.97**	24.74	25.50
		HIGH	QPSK	24.74	24.57	24.43	24.72	24.85	25.50
	36	LOW	QPSK	23.82	23.75	23.55	23.93	23.82	25.00
		MID	QPSK	23.95	24.01	23.55	24.10	23.76	25.00
		HIGH	QPSK	23.76	23.78	23.69	23.66	23.99	25.00
	75	LOW	QPSK	24.06	24.28	23.45	24.13	23.69	25.00
15	1	LOW	Q16	24.34	24.25	23.89	24.36	24.35	25.00
		MID	Q16	24.35	24.47	23.63	24.09	24.58	25.00
		HIGH	Q16	24.28	24.08	23.59	24.04	24.27	25.00
	36	LOW	Q16	23.24	23.11	23.01	23.21	23.38	24.00
		MID	Q16	23.39	23.21	23.01	23.13	23.30	24.00
		HIGH	Q16	23.24	23.13	23.03	23.31	23.21	24.00
	75	LOW	Q16	23.40	23.57	23.09	23.27	23.15	24.00
15	1	LOW	64QAM	22.94	23.06	22.54	23.10	23.25	24.00
		MID	64QAM	22.98	22.97	22.52	23.22	23.32	24.00
		HIGH	64QAM	23.01	22.96	22.47	23.00	23.19	24.00
	36	LOW	64QAM	21.76	21.77	21.52	21.49	21.66	23.00
		MID	64QAM	21.81	21.89	21.49	21.86	21.75	23.00
		HIGH	64QAM	21.62	21.73	21.60	22.03	21.63	23.00
	75	LOW	64QAM	21.60	21.88	21.72	21.50	21.85	23.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	24.92	24.70	24.81	24.78	24.78	25.50
		MID	QPSK	24.91	24.84	24.86	24.72	24.97	25.50
		HIGH	QPSK	24.87	24.83	24.79	**25.00**	24.84	25.50
	50	LOW	QPSK	23.85	23.81	23.86	23.96	23.95	25.00
		MID	QPSK	24.07	23.87	24.05	23.89	23.87	25.00
		HIGH	QPSK	23.86	23.90	24.01	23.83	23.88	25.00
	100	LOW	QPSK	23.89	24.09	23.90	23.90	23.91	25.00
20	1	LOW	Q16	24.34	24.40	23.72	24.28	24.24	25.00
		MID	Q16	24.22	24.26	23.71	24.18	24.30	25.00
		HIGH	Q16	24.09	24.17	23.67	24.08	24.39	25.00
	50	LOW	Q16	23.22	23.10	22.90	23.21	23.28	24.00
		MID	Q16	23.31	23.34	23.06	23.30	23.30	24.00
		HIGH	Q16	23.35	23.30	23.05	23.36	23.21	24.00
	100	LOW	Q16	23.26	23.36	22.98	23.12	23.21	24.00
20	1	LOW	64QAM	23.14	23.29	22.42	23.28	23.01	24.00
		MID	64QAM	22.97	23.22	22.83	22.99	23.18	24.00
		HIGH	64QAM	23.12	23.03	22.47	22.91	22.99	24.00
	50	LOW	64QAM	21.90	21.63	21.58	21.43	21.68	23.00
		MID	64QAM	21.92	21.92	21.34	21.73	21.73	23.00
		HIGH	64QAM	21.82	21.77	21.55	21.84	21.70	23.00
	100	LOW	64QAM	21.84	21.91	21.38	21.75	21.59	23.00

8.3.10 LTE Band42 Output Power

LTE B42-Full Power-Ant.5							
Bandwidth (MHz)	RB Size	RB offest	Modulation	41615	42340	43065	Tune-up power(dBm)
5	1	LOW	QPSK	22.18	22.26	22.23	23.00
		MID	QPSK	22.30	22.26	**22.44**	23.00
		HIGH	QPSK	22.13	22.20	22.42	23.00
	12	LOW	QPSK	21.18	21.39	21.17	22.00
		MID	QPSK	21.35	21.42	21.54	22.00
		HIGH	QPSK	21.32	21.24	21.27	22.00
	25	LOW	QPSK	21.10	21.10	21.12	22.00
5	1	LOW	Q16	21.33	21.24	21.80	22.00
		MID	Q16	21.79	21.52	21.82	22.00
		HIGH	Q16	21.63	21.32	21.86	22.00
	12	LOW	Q16	20.17	20.18	20.25	21.00
		MID	Q16	20.11	20.37	20.28	21.00
		HIGH	Q16	20.31	20.16	20.20	21.00
	25	LOW	Q16	20.07	20.09	20.22	21.00
5	1	LOW	64QAM	20.48	20.32	20.61	21.00
		MID	64QAM	20.68	20.37	20.63	21.00
		HIGH	64QAM	20.61	20.38	20.60	21.00
	12	LOW	64QAM	19.37	19.20	19.25	20.00
		MID	64QAM	19.19	19.12	19.20	20.00
		HIGH	64QAM	19.17	19.15	19.28	20.00
	25	LOW	64QAM	19.17	19.18	19.20	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	41640	42340	43040	Tune-up power(dBm)
10	1	LOW	QPSK	22.17	22.23	22.40	23.00
		MID	QPSK	22.38	22.14	**22.56**	23.00
		HIGH	QPSK	22.23	21.98	22.40	23.00
	25	LOW	QPSK	21.31	21.11	21.35	22.00
		MID	QPSK	21.37	21.33	21.33	22.00
		HIGH	QPSK	21.27	21.29	21.35	22.00
	50	LOW	QPSK	21.42	21.13	21.34	22.00
10	1	LOW	Q16	21.59	21.29	21.69	22.00
		MID	Q16	21.82	21.25	21.73	22.00
		HIGH	Q16	21.51	21.51	21.72	22.00
	25	LOW	Q16	20.13	20.30	20.33	21.00
		MID	Q16	20.26	20.18	20.17	21.00
		HIGH	Q16	20.33	20.22	20.30	21.00
	50	LOW	Q16	20.44	20.17	20.33	21.00
10	1	LOW	64QAM	20.42	20.27	20.68	21.00
		MID	64QAM	20.47	20.27	20.81	21.00
		HIGH	64QAM	20.42	20.33	20.83	21.00
	25	LOW	64QAM	19.42	19.36	19.46	20.00
		MID	64QAM	19.15	19.42	19.45	20.00
		HIGH	64QAM	19.50	19.25	19.18	20.00
	50	LOW	64QAM	19.34	19.22	19.15	20.00

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LTE B42-Full Power-Ant.5							
Bandwidth (MHz)	RB Size	RB offest	Modulation	41665	42340	43015	Tune-up power(dBm)
15	1	LOW	QPSK	22.08	22.14	**22.37**	23.00
		MID	QPSK	22.26	22.30	22.32	23.00
		HIGH	QPSK	22.27	22.28	22.34	23.00
	36	LOW	QPSK	21.17	21.37	21.28	22.00
		MID	QPSK	21.42	21.28	21.36	22.00
		HIGH	QPSK	21.37	21.31	21.31	22.00
	75	LOW	QPSK	21.24	21.34	21.34	22.00
15	1	LOW	Q16	21.43	21.25	21.67	22.00
		MID	Q16	21.44	21.42	21.84	22.00
		HIGH	Q16	21.52	21.27	21.62	22.00
	36	LOW	Q16	20.06	20.22	20.33	21.00
		MID	Q16	20.32	20.31	20.29	21.00
		HIGH	Q16	20.35	20.24	20.41	21.00
	75	LOW	Q16	20.19	20.09	20.24	21.00
15	1	LOW	64QAM	20.29	20.23	20.51	21.00
		MID	64QAM	20.69	20.38	20.81	21.00
		HIGH	64QAM	20.51	20.11	20.59	21.00
	36	LOW	64QAM	19.12	19.22	19.22	20.00
		MID	64QAM	19.04	19.14	19.40	20.00
		HIGH	64QAM	19.38	19.17	19.41	20.00
	75	LOW	64QAM	19.47	19.18	19.23	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	41690	42340	42990	Tune-up power(dBm)
20	1	LOW	QPSK	22.12	22.33	22.33	23.00
		MID	QPSK	22.32	**22.39**	22.35	23.00
		HIGH	QPSK	22.20	22.30	22.34	23.00
	50	LOW	QPSK	21.22	21.39	21.36	22.00
		MID	QPSK	21.37	21.33	21.42	22.00
		HIGH	QPSK	21.33	21.24	21.39	22.00
	100	LOW	QPSK	21.34	21.29	21.32	22.00
20	1	LOW	Q16	21.44	21.26	21.55	22.00
		MID	Q16	21.55	21.42	21.80	22.00
		HIGH	Q16	21.57	21.32	21.63	22.00
	50	LOW	Q16	20.22	20.14	20.28	21.00
		MID	Q16	20.15	20.18	20.38	21.00
		HIGH	Q16	20.26	20.19	20.35	21.00
	100	LOW	Q16	20.18	20.23	20.34	21.00
20	1	LOW	64QAM	20.43	20.39	20.73	21.00
		MID	64QAM	20.46	20.47	20.79	21.00
		HIGH	64QAM	20.57	20.35	20.58	21.00
	50	LOW	64QAM	19.07	19.22	19.18	20.00
		MID	64QAM	19.26	19.28	19.24	20.00
		HIGH	64QAM	19.41	19.37	19.50	20.00
	100	LOW	64QAM	19.34	19.16	19.21	20.00

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LTE B42-Level1-Ant.5							
Bandwidth (MHz)	RB Size	RB offest	Modulation	41615	42340	43065	Tune-up power(dBm)
5	1	LOW	QPSK	18.11	18.16	18.14	19.00
		MID	QPSK	18.03	18.04	18.17	19.00
		HIGH	QPSK	18.02	18.19	18.17	19.00
	12	LOW	QPSK	18.04	17.94	18.03	19.00
		MID	QPSK	18.15	18.14	18.06	19.00
		HIGH	QPSK	18.11	18.14	18.06	19.00
	25	LOW	QPSK	18.17	18.01	18.18	19.00
5	1	LOW	Q16	18.03	18.05	18.09	19.00
		MID	Q16	18.08	18.20	18.19	19.00
		HIGH	Q16	18.21	18.12	18.07	19.00
	12	LOW	Q16	18.18	18.15	18.16	19.00
		MID	Q16	18.12	18.07	18.29	19.00
		HIGH	Q16	18.16	18.15	18.31	19.00
	25	LOW	Q16	18.24	17.94	17.96	19.00
5	1	LOW	64QAM	18.02	18.11	18.27	19.00
		MID	64QAM	18.26	18.26	18.06	19.00
		HIGH	64QAM	18.07	18.34	17.93	19.00
	12	LOW	64QAM	18.00	18.08	18.27	19.00
		MID	64QAM	18.07	18.16	18.28	19.00
		HIGH	64QAM	17.99	17.90	18.25	19.00
	25	LOW	64QAM	18.03	18.00	18.14	19.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	41640	42340	43040	Tune-up power(dBm)
10	1	LOW	QPSK	18.26	18.13	18.02	19.00
		MID	QPSK	18.19	18.20	18.11	19.00
		HIGH	QPSK	18.00	18.19	18.35	19.00
	25	LOW	QPSK	18.21	18.13	17.97	19.00
		MID	QPSK	18.05	18.03	17.92	19.00
		HIGH	QPSK	17.97	17.98	18.22	19.00
	50	LOW	QPSK	18.12	18.25	18.04	19.00
10	1	LOW	Q16	17.99	18.34	18.16	19.00
		MID	Q16	17.96	18.02	18.13	19.00
		HIGH	Q16	18.20	17.99	18.32	19.00
	25	LOW	Q16	18.13	17.99	18.18	19.00
		MID	Q16	18.21	18.21	18.22	19.00
		HIGH	Q16	18.21	18.11	18.04	19.00
	50	LOW	Q16	18.10	18.04	18.26	19.00
10	1	LOW	64QAM	18.18	18.04	18.08	19.00
		MID	64QAM	18.30	18.09	18.31	19.00
		HIGH	64QAM	18.00	17.99	18.16	19.00
	25	LOW	64QAM	18.07	18.12	18.07	19.00
		MID	64QAM	18.02	18.08	18.19	19.00
		HIGH	64QAM	17.92	18.06	18.08	19.00
	50	LOW	64QAM	17.97	18.18	18.26	19.00

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LTE B42-Level1-Ant.5							
Bandwidth (MHz)	RB Size	RB offest	Modulation	41665	42340	43015	Tune-up power(dBm)
15	1	LOW	QPSK	18.07	18.04	18.23	19.00
		MID	QPSK	18.08	18.19	18.00	19.00
		HIGH	QPSK	18.02	18.25	18.16	19.00
	36	LOW	QPSK	18.01	18.05	18.26	19.00
		MID	QPSK	18.21	18.08	18.23	19.00
		HIGH	QPSK	18.28	18.12	18.02	19.00
	75	LOW	QPSK	18.10	18.12	18.22	19.00
15	1	LOW	Q16	18.10	18.17	18.09	19.00
		MID	Q16	18.25	18.03	18.15	19.00
		HIGH	Q16	18.06	18.27	18.11	19.00
	36	LOW	Q16	18.19	18.17	18.14	19.00
		MID	Q16	18.25	18.28	18.05	19.00
		HIGH	Q16	17.93	18.14	17.97	19.00
	75	LOW	Q16	17.98	18.31	18.28	19.00
15	1	LOW	64QAM	18.09	17.93	18.05	19.00
		MID	64QAM	18.04	18.16	18.18	19.00
		HIGH	64QAM	18.11	18.18	18.16	19.00
	36	LOW	64QAM	18.26	18.25	18.28	19.00
		MID	64QAM	18.18	18.14	18.01	19.00
		HIGH	64QAM	18.24	18.03	18.16	19.00
	75	LOW	64QAM	18.24	18.09	18.30	19.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	41690	42340	42990	Tune-up power(dBm)
20	1	LOW	QPSK	18.17	18.13	18.17	19.00
		MID	QPSK	18.18	18.26	18.20	19.00
		HIGH	QPSK	18.18	18.23	18.23	19.00
	50	LOW	QPSK	18.22	18.12	17.99	19.00
		MID	QPSK	18.29	18.00	18.24	19.00
		HIGH	QPSK	18.19	18.05	18.14	19.00
	100	LOW	QPSK	18.17	18.18	17.93	19.00
20	1	LOW	Q16	18.04	17.95	18.10	19.00
		MID	Q16	18.04	18.00	18.07	19.00
		HIGH	Q16	18.27	18.03	18.11	19.00
	50	LOW	Q16	17.99	18.10	18.18	19.00
		MID	Q16	18.34	18.10	18.22	19.00
		HIGH	Q16	18.23	18.03	18.33	19.00
	100	LOW	Q16	18.23	18.17	18.23	19.00
20	1	LOW	64QAM	18.17	18.10	17.99	19.00
		MID	64QAM	18.21	18.16	18.25	19.00
		HIGH	64QAM	18.05	18.07	18.15	19.00
	50	LOW	64QAM	18.00	18.24	18.11	19.00
		MID	64QAM	17.98	18.12	18.05	19.00
		HIGH	64QAM	18.34	18.27	18.09	19.00
	100	LOW	64QAM	18.01	18.08	18.21	19.00

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LTE B42-Level2&4-Ant.5							
Bandwidth (MHz)	RB Size	RB offest	Modulation	41615	42340	43065	Tune-up power(dBm)
5	1	LOW	QPSK	22.18	22.26	22.23	23.00
		MID	QPSK	22.30	22.26	**22.44**	23.00
		HIGH	QPSK	22.13	22.20	22.42	23.00
	12	LOW	QPSK	21.18	21.39	21.17	22.00
		MID	QPSK	21.35	21.42	21.54	22.00
		HIGH	QPSK	21.32	21.24	21.27	22.00
	25	LOW	QPSK	21.10	21.10	21.12	22.00
5	1	LOW	Q16	21.33	21.24	21.80	22.00
		MID	Q16	21.79	21.52	21.82	22.00
		HIGH	Q16	21.63	21.32	21.86	22.00
	12	LOW	Q16	20.17	20.18	20.25	21.00
		MID	Q16	20.11	20.37	20.28	21.00
		HIGH	Q16	20.31	20.16	20.20	21.00
	25	LOW	Q16	20.07	20.09	20.22	21.00
5	1	LOW	64QAM	20.48	20.32	20.61	21.00
		MID	64QAM	20.68	20.37	20.63	21.00
		HIGH	64QAM	20.61	20.38	20.60	21.00
	12	LOW	64QAM	19.37	19.20	19.25	20.00
		MID	64QAM	19.19	19.12	19.20	20.00
		HIGH	64QAM	19.17	19.15	19.28	20.00
	25	LOW	64QAM	19.17	19.18	19.20	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	41640	42340	43040	Tune-up power(dBm)
10	1	LOW	QPSK	22.17	22.23	22.40	23.00
		MID	QPSK	22.38	22.14	**22.56**	23.00
		HIGH	QPSK	22.23	21.98	22.40	23.00
	25	LOW	QPSK	21.31	21.11	21.35	22.00
		MID	QPSK	21.37	21.33	21.33	22.00
		HIGH	QPSK	21.27	21.29	21.35	22.00
	50	LOW	QPSK	21.42	21.13	21.34	22.00
10	1	LOW	Q16	21.59	21.29	21.69	22.00
		MID	Q16	21.82	21.25	21.73	22.00
		HIGH	Q16	21.51	21.51	21.72	22.00
	25	LOW	Q16	20.13	20.30	20.33	21.00
		MID	Q16	20.26	20.18	20.17	21.00
		HIGH	Q16	20.33	20.22	20.30	21.00
	50	LOW	Q16	20.44	20.17	20.33	21.00
10	1	LOW	64QAM	20.42	20.27	20.68	21.00
		MID	64QAM	20.47	20.27	20.81	21.00
		HIGH	64QAM	20.42	20.33	20.83	21.00
	25	LOW	64QAM	19.42	19.36	19.46	20.00
		MID	64QAM	19.15	19.42	19.45	20.00
		HIGH	64QAM	19.50	19.25	19.18	20.00
	50	LOW	64QAM	19.34	19.22	19.15	20.00

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LTE B42-Level2&4-Ant.5							
Bandwidth (MHz)	RB Size	RB offest	Modulation	41665	42340	43015	Tune-up power(dBm)
15	1	LOW	QPSK	22.08	22.14	**22.37**	23.00
		MID	QPSK	22.26	22.30	22.32	23.00
		HIGH	QPSK	22.27	22.28	22.34	23.00
	36	LOW	QPSK	21.17	21.37	21.28	22.00
		MID	QPSK	21.42	21.28	21.36	22.00
		HIGH	QPSK	21.37	21.31	21.31	22.00
	75	LOW	QPSK	21.24	21.34	21.34	22.00
15	1	LOW	Q16	21.43	21.25	21.67	22.00
		MID	Q16	21.44	21.42	21.84	22.00
		HIGH	Q16	21.52	21.27	21.62	22.00
	36	LOW	Q16	20.06	20.22	20.33	21.00
		MID	Q16	20.32	20.31	20.29	21.00
		HIGH	Q16	20.35	20.24	20.41	21.00
	75	LOW	Q16	20.19	20.09	20.24	21.00
15	1	LOW	64QAM	20.29	20.23	20.51	21.00
		MID	64QAM	20.69	20.38	20.81	21.00
		HIGH	64QAM	20.51	20.11	20.59	21.00
	36	LOW	64QAM	19.12	19.22	19.22	20.00
		MID	64QAM	19.04	19.14	19.40	20.00
		HIGH	64QAM	19.38	19.17	19.41	20.00
	75	LOW	64QAM	19.47	19.18	19.23	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	41690	42340	42990	Tune-up power(dBm)
20	1	LOW	QPSK	22.12	22.33	22.33	23.00
		MID	QPSK	22.32	**22.39**	22.35	23.00
		HIGH	QPSK	22.20	22.30	22.34	23.00
	50	LOW	QPSK	21.22	21.39	21.36	22.00
		MID	QPSK	21.37	21.33	21.42	22.00
		HIGH	QPSK	21.33	21.24	21.39	22.00
	100	LOW	QPSK	21.34	21.29	21.32	22.00
20	1	LOW	Q16	21.44	21.26	21.55	22.00
		MID	Q16	21.55	21.42	21.80	22.00
		HIGH	Q16	21.57	21.32	21.63	22.00
	50	LOW	Q16	20.22	20.14	20.28	21.00
		MID	Q16	20.15	20.18	20.38	21.00
		HIGH	Q16	20.26	20.19	20.35	21.00
	100	LOW	Q16	20.18	20.23	20.34	21.00
20	1	LOW	64QAM	20.43	20.39	20.73	21.00
		MID	64QAM	20.46	20.47	20.79	21.00
		HIGH	64QAM	20.57	20.35	20.58	21.00
	50	LOW	64QAM	19.07	19.22	19.18	20.00
		MID	64QAM	19.26	19.28	19.24	20.00
		HIGH	64QAM	19.41	19.37	19.50	20.00
	100	LOW	64QAM	19.34	19.16	19.21	20.00

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LTE B42-Level3-Ant.5							
Bandwidth (MHz)	RB Size	RB offest	Modulation	41615	42340	43065	Tune-up power(dBm)
5	1	LOW	QPSK	17.30	17.25	17.20	18.00
		MID	QPSK	17.12	17.30	16.99	18.00
		HIGH	QPSK	16.96	17.17	17.14	18.00
	12	LOW	QPSK	17.15	17.23	17.07	18.00
		MID	QPSK	17.04	16.95	17.18	18.00
		HIGH	QPSK	17.21	17.23	17.30	18.00
	25	LOW	QPSK	17.11	17.10	17.00	18.00
5	1	LOW	Q16	17.20	16.93	17.06	18.00
		MID	Q16	17.24	17.07	17.22	18.00
		HIGH	Q16	16.97	17.28	17.18	18.00
	12	LOW	Q16	16.91	17.27	16.93	18.00
		MID	Q16	17.17	16.97	17.33	18.00
		HIGH	Q16	17.31	17.06	17.08	18.00
	25	LOW	Q16	17.25	17.26	17.30	18.00
5	1	LOW	64QAM	16.99	16.98	17.11	18.00
		MID	64QAM	17.00	17.02	17.06	18.00
		HIGH	64QAM	17.08	17.08	17.19	18.00
	12	LOW	64QAM	16.96	17.01	17.20	18.00
		MID	64QAM	17.18	17.20	17.16	18.00
		HIGH	64QAM	16.98	17.18	17.18	18.00
	25	LOW	64QAM	17.13	17.18	17.08	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	41640	42340	43040	Tune-up power(dBm)
10	1	LOW	QPSK	17.07	17.09	17.19	18.00
		MID	QPSK	17.17	16.93	17.20	18.00
		HIGH	QPSK	17.12	17.15	17.03	18.00
	25	LOW	QPSK	16.94	17.13	17.16	18.00
		MID	QPSK	17.09	17.27	17.24	18.00
		HIGH	QPSK	17.01	17.07	17.12	18.00
	50	LOW	QPSK	16.98	17.03	17.04	18.00
10	1	LOW	Q16	17.09	17.32	17.16	18.00
		MID	Q16	17.27	17.27	16.99	18.00
		HIGH	Q16	17.15	17.02	17.26	18.00
	25	LOW	Q16	17.27	17.26	17.04	18.00
		MID	Q16	17.26	17.11	17.21	18.00
		HIGH	Q16	16.99	17.19	17.00	18.00
	50	LOW	Q16	17.19	17.02	17.14	18.00
10	1	LOW	64QAM	17.27	17.04	17.10	18.00
		MID	64QAM	17.21	17.05	17.18	18.00
		HIGH	64QAM	16.97	17.14	17.06	18.00
	25	LOW	64QAM	16.91	17.07	17.01	18.00
		MID	64QAM	17.24	17.21	17.25	18.00
		HIGH	64QAM	16.94	17.04	17.27	18.00
	50	LOW	64QAM	17.18	17.13	17.07	18.00

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LTE B42-Level3-Ant.5							
Bandwidth (MHz)	RB Size	RB offest	Modulation	41665	42340	43015	Tune-up power(dBm)
15	1	LOW	QPSK	17.15	16.98	17.25	18.00
		MID	QPSK	17.00	17.28	17.08	18.00
		HIGH	QPSK	16.90	17.24	17.20	18.00
	36	LOW	QPSK	16.94	17.09	16.98	18.00
		MID	QPSK	17.19	17.24	17.15	18.00
		HIGH	QPSK	17.13	17.15	17.18	18.00
	75	LOW	QPSK	17.16	16.99	17.21	18.00
15	1	LOW	Q16	16.94	17.03	17.19	18.00
		MID	Q16	16.98	17.22	17.01	18.00
		HIGH	Q16	17.17	17.15	16.92	18.00
	36	LOW	Q16	17.04	17.18	17.07	18.00
		MID	Q16	17.03	17.17	17.10	18.00
		HIGH	Q16	17.10	17.12	17.20	18.00
	75	LOW	Q16	17.02	17.07	16.97	18.00
15	1	LOW	64QAM	17.16	17.24	17.16	18.00
		MID	64QAM	17.15	17.08	17.07	18.00
		HIGH	64QAM	16.99	17.32	17.08	18.00
	36	LOW	64QAM	17.01	17.21	16.98	18.00
		MID	64QAM	17.15	17.03	17.20	18.00
		HIGH	64QAM	17.20	17.15	17.25	18.00
	75	LOW	64QAM	16.97	17.09	17.09	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	41690	42340	42990	Tune-up power(dBm)
20	1	LOW	QPSK	17.23	17.19	16.95	18.00
		MID	QPSK	17.17	17.01	17.22	18.00
		HIGH	QPSK	17.15	17.28	17.05	18.00
	50	LOW	QPSK	16.93	17.08	17.21	18.00
		MID	QPSK	17.09	17.08	17.30	18.00
		HIGH	QPSK	17.18	17.20	17.22	18.00
	100	LOW	QPSK	17.19	17.08	17.16	18.00
20	1	LOW	Q16	17.01	17.09	17.35	18.00
		MID	Q16	17.05	17.12	17.12	18.00
		HIGH	Q16	17.26	17.16	17.22	18.00
	50	LOW	Q16	16.98	17.20	17.06	18.00
		MID	Q16	17.12	17.23	17.05	18.00
		HIGH	Q16	16.96	17.08	17.11	18.00
	100	LOW	Q16	17.19	17.07	17.11	18.00
20	1	LOW	64QAM	17.26	17.02	17.22	18.00
		MID	64QAM	17.26	17.10	17.31	18.00
		HIGH	64QAM	17.24	17.17	17.29	18.00
	50	LOW	64QAM	17.00	17.35	17.06	18.00
		MID	64QAM	17.25	17.25	17.23	18.00
		HIGH	64QAM	17.19	17.22	17.11	18.00
	100	LOW	64QAM	17.15	17.20	17.24	18.00

N5-ANT4 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB
		RB Size	RB offest	826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	20.27	20.42	20.45	21.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB
		RB Size	RB offest	829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	20.49	20.43	20.18	21.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB
		RB Size	RB offest	831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	20.34	20.55	20.22	21.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB
		RB Size	RB offest	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	20.41	20.75	20.86	21.00
		1	53	20.50	20.57	20.64	21.00
		1	104	20.36	20.31	20.25	21.00
	DFT-s-OFDM BPSK	50	0	20.08	20.03	19.96	21.00
		50	28	20.74	20.57	20.56	21.00
		50	56	19.96	19.96	19.94	21.00
	DFT-s-OFDM BPSK	100	0	19.92	19.99	20.09	20.50
	DFT-s-OFDM QPSK	1	1	20.37	20.37	20.35	21.00
		1	53	20.71	20.54	20.71	21.00
		1	104	20.43	20.31	20.11	21.00
	DFT-s-OFDM QPSK	50	0	19.40	19.45	19.49	21.00
		50	28	20.63	20.56	20.42	21.00
		50	56	19.32	19.46	19.58	21.00
	DFT-s-OFDM QPSK	100	0	19.67	19.47	19.37	20.00
	DFT-s-OFDM 16QAM	1	1	19.40	19.20	19.33	20.00
	DFT-s-OFDM 64QAM	1	1	17.55	17.71	17.77	18.50
	DFT-s-OFDM 256QAM	1	1	16.17	16.27	16.36	16.50
	CP-OFDM QPSK	1	1	18.73	18.92	18.98	19.50
	CP-OFDM 16QAM	1	1	18.68	18.68	18.86	19.00
	CP-OFDM 64QAM	1	1	17.08	17.00	17.16	17.50
	CP-OFDM 256QAM	1	1	13.80	13.64	13.50	14.50

N5-ANT4 Level1&2&3&4 (Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB
		RB Size	RB offest	826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	20.27	20.42	20.45	21.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB
		RB Size	RB offest	829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	20.49	20.43	20.18	21.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB
		RB Size	RB offest	831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	20.34	20.55	20.22	21.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB
		RB Size	RB offest	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	20.41	20.75	20.86	21.00
		1	53	20.50	20.57	20.64	21.00
		1	104	20.36	20.31	20.25	21.00
	DFT-s-OFDM BPSK	50	0	20.08	20.03	19.96	21.00
		50	28	20.74	20.57	20.56	21.00
		50	56	19.96	19.96	19.94	21.00
	DFT-s-OFDM BPSK	100	0	19.92	19.99	20.09	20.50
	DFT-s-OFDM QPSK	1	1	20.37	20.37	20.35	21.00
		1	53	20.71	20.54	20.71	21.00
		1	104	20.43	20.31	20.11	21.00
	DFT-s-OFDM QPSK	50	0	19.40	19.45	19.49	21.00
		50	28	20.63	20.56	20.42	21.00
		50	56	19.32	19.46	19.58	21.00
	DFT-s-OFDM QPSK	100	0	19.67	19.47	19.37	20.00
	DFT-s-OFDM 16QAM	1	1	19.40	19.20	19.33	20.00
	DFT-s-OFDM 64QAM	1	1	17.55	17.71	17.77	18.50
	DFT-s-OFDM 256QAM	1	1	16.17	16.27	16.36	16.50
	CP-OFDM QPSK	1	1	18.73	18.92	18.98	19.50
	CP-OFDM 16QAM	1	1	18.68	18.68	18.86	19.00
	CP-OFDM 64QAM	1	1	17.08	17.00	17.16	17.50
	CP-OFDM 256QAM	1	1	13.80	13.64	13.50	14.50

N5-ANT0 Full power(SA&ENDC)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB
		RB Size	RB offest	826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	22.16	22.16	22.21	23.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB
		RB Size	RB offest	829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	21.98	22.11	21.99	23.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB
		RB Size	RB offest	831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	22.22	22.07	22.12	23.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB
		RB Size	RB offest	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	21.56	22.17	21.95	23.00
		1	53	22.28	22.38	21.87	23.00
		1	104	21.95	22.15	21.75	23.00
	DFT-s-OFDM BPSK	50	0	21.73	21.81	21.83	23.00
		50	28	22.47	22.31	22.35	23.00
		50	56	21.92	21.82	21.85	23.00
	DFT-s-OFDM BPSK	100	0	21.71	21.80	21.70	22.50
	DFT-s-OFDM QPSK	1	1	22.03	22.15	22.06	23.00
		1	53	22.26	22.30	22.18	23.00
		1	104	22.23	22.12	22.01	23.00
	DFT-s-OFDM QPSK	50	0	21.23	21.34	21.50	23.00
		50	28	22.20	22.31	22.36	23.00
		50	56	21.39	21.28	21.37	23.00
	DFT-s-OFDM QPSK	100	0	21.31	21.30	21.32	22.00
	DFT-s-OFDM 16QAM	1	1	20.82	20.87	20.71	22.00
	DFT-s-OFDM 64QAM	1	1	19.42	19.41	19.40	20.50
	DFT-s-OFDM 256QAM	1	1	17.84	17.80	17.72	18.50
	CP-OFDM QPSK	1	1	20.67	20.66	20.67	21.50
	CP-OFDM 16QAM	1	1	20.39	20.38	20.42	21.00
	CP-OFDM 64QAM	1	1	18.73	18.77	18.77	19.50
	CP-OFDM 256QAM	1	1	15.38	15.38	15.45	16.50

N5-ANT0 Level1&2&3&4(SA&ENDC)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB
		RB Size	RB offest	826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	22.16	22.16	22.21	23.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB
		RB Size	RB offest	829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	21.98	22.11	21.99	23.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB
		RB Size	RB offest	831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	22.22	22.07	22.12	23.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB
		RB Size	RB offest	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	21.56	22.17	21.95	23.00
		1	53	22.28	22.38	21.87	23.00
		1	104	21.95	22.15	21.75	23.00
	DFT-s-OFDM BPSK	50	0	21.73	21.81	21.83	23.00
		50	28	22.47	22.31	22.35	23.00
		50	56	21.92	21.82	21.85	23.00
	DFT-s-OFDM BPSK	100	0	21.71	21.80	21.70	22.50
	DFT-s-OFDM QPSK	1	1	22.03	22.15	22.06	23.00
		1	53	22.26	22.30	22.18	23.00
		1	104	22.23	22.12	22.01	23.00
	DFT-s-OFDM QPSK	50	0	21.23	21.34	21.50	23.00
		50	28	22.20	22.31	22.36	23.00
		50	56	21.39	21.28	21.37	23.00
	DFT-s-OFDM QPSK	100	0	21.31	21.30	21.32	22.00
	DFT-s-OFDM 16QAM	1	1	20.82	20.87	20.71	22.00
	DFT-s-OFDM 64QAM	1	1	19.42	19.41	19.40	20.50
	DFT-s-OFDM 256QAM	1	1	17.84	17.80	17.72	18.50
	CP-OFDM QPSK	1	1	20.67	20.66	20.67	21.50
	CP-OFDM 16QAM	1	1	20.39	20.38	20.42	21.00
	CP-OFDM 64QAM	1	1	18.73	18.77	18.77	19.50
	CP-OFDM 256QAM	1	1	15.38	15.38	15.45	16.50

N7-ANT4 Full power(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB
		RB Size	RB offest	2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	23.22	23.06	23.30	24.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB
		RB Size	RB offest	2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	23.51	23.30	23.36	24.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB
		RB Size	RB offest	2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	23.23	23.39	23.53	24.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB
		RB Size	RB offest	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	23.30	23.13	23.17	24.00
		1	53	23.14	23.34	23.09	24.00
		1	104	23.14	23.08	23.14	24.00
	DFT-s-OFDM BPSK	50	0	23.13	23.01	23.05	24.00
		50	28	23.43	23.42	23.39	24.00
		50	56	23.04	22.94	22.71	24.00
	DFT-s-OFDM BPSK	100	0	22.93	22.85	22.67	24.00
	DFT-s-OFDM QPSK	1	1	23.29	23.20	23.35	24.00
		1	53	23.25	23.35	23.18	24.00
		1	104	23.15	23.06	23.10	24.00
	DFT-s-OFDM QPSK	50	0	22.36	22.51	22.39	24.00
		50	28	23.43	23.41	23.41	24.00
		50	56	22.33	22.44	22.29	24.00
	DFT-s-OFDM QPSK	100	0	22.55	22.52	22.59	23.00
	DFT-s-OFDM 16QAM	1	1	22.12	22.11	21.94	23.00
	DFT-s-OFDM 64QAM	1	1	20.73	20.57	20.74	21.50
	DFT-s-OFDM 256QAM	1	1	19.07	19.22	19.00	19.50
	CP-OFDM QPSK	1	1	22.03	21.94	21.75	22.50
	CP-OFDM 16QAM	1	1	21.70	21.60	21.66	22.00
	CP-OFDM 64QAM	1	1	20.65	20.91	20.59	21.00
	CP-OFDM 256QAM	1	1	16.54	16.53	16.58	17.50

N7-ANT4 Level1(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB
		RB Size	RB offest	2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	17.23	17.13	17.39	18.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB
		RB Size	RB offest	2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	17.38	17.15	17.42	18.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB
		RB Size	RB offest	2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	17.09	17.25	17.58	18.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB
		RB Size	RB offest	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	17.21	17.17	17.06	18.00
		1	53	17.09	17.37	16.97	18.00
		1	104	17.07	17.19	17.12	18.00
	DFT-s-OFDM BPSK	50	0	17.22	17.10	16.92	18.00
		50	28	17.38	17.34	17.35	18.00
		50	56	17.14	16.90	16.79	18.00
	DFT-s-OFDM BPSK	100	0	16.83	16.78	16.78	18.00
	DFT-s-OFDM QPSK	1	1	17.20	17.12	17.40	18.00
		1	53	17.14	17.27	17.28	18.00
		1	104	17.08	17.02	17.06	18.00
	DFT-s-OFDM QPSK	50	0	16.40	16.56	16.46	18.00
		50	28	17.42	17.47	17.40	18.00
		50	56	16.32	16.43	16.28	18.00
	DFT-s-OFDM QPSK	100	0	16.42	16.40	16.45	18.00
	DFT-s-OFDM 16QAM	1	1	16.04	16.02	16.00	18.00
	DFT-s-OFDM 64QAM	1	1	16.62	16.42	16.85	18.00
	DFT-s-OFDM 256QAM	1	1	16.43	16.81	16.45	18.00
	CP-OFDM QPSK	1	1	17.13	16.95	16.61	18.00
	CP-OFDM 16QAM	1	1	16.66	16.65	16.76	18.00
	CP-OFDM 64QAM	1	1	16.57	16.81	16.53	18.00
	CP-OFDM 256QAM	1	1	16.61	16.38	16.54	18.00

N7-ANT4 Level2(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB
		RB Size	RB offest	2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	20.19	20.04	20.15	21.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB
		RB Size	RB offest	2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	20.54	20.23	20.29	21.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB
		RB Size	RB offest	2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	20.13	20.56	20.52	21.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB
		RB Size	RB offest	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	20.15	20.04	20.07	21.00
		1	53	20.09	20.31	20.13	21.00
		1	104	20.19	20.06	20.22	21.00
	DFT-s-OFDM BPSK	50	0	20.21	19.90	19.98	21.00
		50	28	20.42	20.49	20.46	21.00
		50	56	20.06	19.98	19.78	21.00
	DFT-s-OFDM BPSK	100	0	19.91	19.78	19.78	21.00
	DFT-s-OFDM QPSK	1	1	20.34	20.30	20.37	21.00
		1	53	20.13	20.37	20.29	21.00
		1	104	20.20	20.10	20.00	21.00
	DFT-s-OFDM QPSK	50	0	19.25	19.43	19.42	21.00
		50	28	20.48	20.26	20.40	21.00
		50	56	19.30	19.52	19.16	21.00
	DFT-s-OFDM QPSK	100	0	19.61	19.44	19.65	21.00
	DFT-s-OFDM 16QAM	1	1	19.22	19.28	19.56	21.00
	DFT-s-OFDM 64QAM	1	1	19.73	19.64	19.69	21.00
	DFT-s-OFDM 256QAM	1	1	19.02	19.17	19.01	19.50
	CP-OFDM QPSK	1	1	19.93	20.05	19.63	21.00
	CP-OFDM 16QAM	1	1	19.64	19.49	19.58	21.00
	CP-OFDM 64QAM	1	1	19.50	19.98	19.55	21.00
	CP-OFDM 256QAM	1	1	16.42	16.48	16.68	17.50

N7-ANT4 Level3(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB
		RB Size	RB offest	2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	16.33	16.04	16.20	17.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB
		RB Size	RB offest	2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	16.37	16.30	16.27	17.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB
		RB Size	RB offest	2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	16.32	16.42	16.45	17.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB
		RB Size	RB offest	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	16.20	15.99	16.28	17.00
		1	53	16.20	16.31	16.03	17.00
		1	104	16.22	16.16	16.03	17.00
	DFT-s-OFDM BPSK	50	0	16.12	16.08	16.03	17.00
		50	28	16.38	16.39	16.24	17.00
		50	56	16.14	16.03	15.66	17.00
	DFT-s-OFDM BPSK	100	0	15.88	15.72	15.57	17.00
	DFT-s-OFDM QPSK	1	1	16.35	16.31	16.34	17.00
		1	53	16.13	16.44	16.11	17.00
		1	104	16.14	16.03	16.16	17.00
	DFT-s-OFDM QPSK	50	0	15.25	15.47	15.39	17.00
		50	28	16.46	16.48	16.52	17.00
		50	56	15.23	15.45	15.32	17.00
	DFT-s-OFDM QPSK	100	0	15.57	15.62	15.50	17.00
	DFT-s-OFDM 16QAM	1	1	15.08	15.13	15.09	17.00
	DFT-s-OFDM 64QAM	1	1	15.81	15.57	15.59	17.00
	DFT-s-OFDM 256QAM	1	1	15.57	15.80	15.61	17.00
	CP-OFDM QPSK	1	1	16.12	16.02	15.82	17.00
	CP-OFDM 16QAM	1	1	15.69	15.65	15.71	17.00
	CP-OFDM 64QAM	1	1	15.70	16.02	15.52	17.00
	CP-OFDM 256QAM	1	1	15.44	15.56	15.56	17.00

N7-ANT4 Level4(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB
		RB Size	RB offest	2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	18.07	17.91	18.22	19.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB
		RB Size	RB offest	2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	18.38	18.15	18.47	19.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB
		RB Size	RB offest	2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	18.13	18.42	18.61	19.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB
		RB Size	RB offest	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	18.40	18.13	18.08	19.00
		1	53	18.21	18.40	18.08	19.00
		1	104	18.04	18.15	18.21	19.00
	DFT-s-OFDM BPSK	50	0	18.09	18.05	17.93	19.00
		50	28	18.30	18.36	18.36	19.00
		50	56	18.08	17.94	17.76	19.00
	DFT-s-OFDM BPSK	100	0	17.90	17.70	17.78	19.00
	DFT-s-OFDM QPSK	1	1	18.14	18.14	18.42	19.00
		1	53	18.19	18.28	18.08	19.00
		1	104	18.19	17.91	18.05	19.00
	DFT-s-OFDM QPSK	50	0	17.41	17.46	17.25	19.00
		50	28	18.51	18.31	18.36	19.00
		50	56	17.35	17.48	17.22	19.00
	DFT-s-OFDM QPSK	100	0	17.60	17.61	17.64	19.00
	DFT-s-OFDM 16QAM	1	1	17.12	17.17	17.15	19.00
	DFT-s-OFDM 64QAM	1	1	17.70	17.64	17.82	19.00
	DFT-s-OFDM 256QAM	1	1	17.68	17.67	17.46	19.00
	CP-OFDM QPSK	1	1	18.00	18.01	17.75	19.00
	CP-OFDM 16QAM	1	1	17.66	17.49	17.69	19.00
	CP-OFDM 64QAM	1	1	17.55	17.87	17.69	19.00
	CP-OFDM 256QAM	1	1	16.49	16.46	16.44	17.50

N7-ANT1 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB
		RB Size	RB offest	2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	22.19	22.10	22.32	23.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB
		RB Size	RB offest	2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	22.52	22.23	22.35	23.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB
		RB Size	RB offest	2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	22.18	22.38	22.45	23.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB
		RB Size	RB offest	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	22.31	22.22	22.12	23.00
		1	53	22.15	22.36	22.10	23.00
		1	104	22.24	22.15	22.16	23.00
	DFT-s-OFDM BPSK	50	0	22.12	21.95	21.99	23.00
		50	28	22.44	22.49	22.46	23.00
		50	56	22.03	21.86	21.71	23.00
	DFT-s-OFDM BPSK	100	0	21.87	21.92	21.73	22.00
	DFT-s-OFDM QPSK	1	1	22.32	22.18	22.30	23.00
		1	53	22.32	22.30	22.12	23.00
		1	104	22.25	22.12	22.14	23.00
	DFT-s-OFDM QPSK	50	0	21.41	21.50	21.48	23.00
		50	28	22.35	22.46	22.38	23.00
		50	56	21.41	21.44	21.36	23.00
	DFT-s-OFDM QPSK	100	0	21.62	21.49	21.52	22.00
	DFT-s-OFDM 16QAM	1	1	21.22	21.07	20.91	22.00
	DFT-s-OFDM 64QAM	1	1	19.65	19.60	19.68	20.50
	DFT-s-OFDM 256QAM	1	1	18.12	18.21	18.06	18.50
	CP-OFDM QPSK	1	1	21.06	20.87	20.71	21.50
	CP-OFDM 16QAM	1	1	20.71	20.63	20.60	21.00
	CP-OFDM 64QAM	1	1	19.75	19.84	19.67	20.00
	CP-OFDM 256QAM	1	1	15.52	15.63	15.62	16.50

N7-ANT1 Level1&2&3&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB
		RB Size	RB offest	2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	22.19	22.10	22.32	23.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB
		RB Size	RB offest	2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	22.52	22.23	22.35	23.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB
		RB Size	RB offest	2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	22.18	22.38	22.45	23.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB
		RB Size	RB offest	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	22.31	22.22	22.12	23.00
		1	53	22.15	22.36	22.10	23.00
		1	104	22.24	22.15	22.16	23.00
	DFT-s-OFDM BPSK	50	0	22.12	21.95	21.99	23.00
		50	28	22.44	22.49	22.46	23.00
		50	56	22.03	21.86	21.71	23.00
	DFT-s-OFDM BPSK	100	0	21.87	21.92	21.73	22.00
	DFT-s-OFDM QPSK	1	1	22.32	22.18	22.30	23.00
		1	53	22.32	22.30	22.12	23.00
		1	104	22.25	22.12	22.14	23.00
	DFT-s-OFDM QPSK	50	0	21.41	21.50	21.48	23.00
		50	28	22.35	22.46	22.38	23.00
		50	56	21.41	21.44	21.36	23.00
	DFT-s-OFDM QPSK	100	0	21.62	21.49	21.52	22.00
	DFT-s-OFDM 16QAM	1	1	21.22	21.07	20.91	22.00
	DFT-s-OFDM 64QAM	1	1	19.65	19.60	19.68	20.50
	DFT-s-OFDM 256QAM	1	1	18.12	18.21	18.06	18.50
	CP-OFDM QPSK	1	1	21.06	20.87	20.71	21.50
	CP-OFDM 16QAM	1	1	20.71	20.63	20.60	21.00
	CP-OFDM 64QAM	1	1	19.75	19.84	19.67	20.00
	CP-OFDM 256QAM	1	1	15.52	15.63	15.62	16.50

N12-ANT4 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		140300	141500	142700	Tune-up power(dB
		RB Size	RB offest	701.5	707.5	713.5	
5	DFT-s-OFDM QPSK	1	1	21.22	21.09	21.02	22.50
Bandwidth (MHz)	Modulation	Channel		140800	141500	142200	Tune-up power(dB
		RB Size	RB offest	704	707.5	711	
10	DFT-s-OFDM QPSK	1	1	21.35	21.00	20.91	22.50
Bandwidth (MHz)	Modulation	Channel		141300	141500	141700	Tune-up power(dB
		RB Size	RB offest	706.5	707.5	708.5	
15	DFT-s-OFDM BPSK	1	1	21.34	21.41	22.12	22.50
		1	40	21.25	21.43	21.21	22.50
		1	77	21.00	21.05	20.98	22.50
	DFT-s-OFDM BPSK	36	0	20.90	20.97	20.86	22.50
		36	22	21.41	21.46	21.46	22.50
		36	43	20.86	20.96	21.04	22.50
	DFT-s-OFDM BPSK	75	0	21.10	20.93	20.78	21.50
	DFT-s-OFDM QPSK	1	1	21.20	21.15	20.99	22.50
		1	40	21.23	21.35	21.51	22.50
		1	77	21.01	20.97	20.96	22.50
	DFT-s-OFDM QPSK	36	0	20.86	20.72	20.88	22.50
		36	22	21.46	21.36	21.45	22.50
		36	43	20.78	20.75	21.24	22.50
	DFT-s-OFDM QPSK	75	0	20.56	20.43	20.24	21.50
	DFT-s-OFDM 16QAM	1	1	19.76	19.92	20.10	21.50
	DFT-s-OFDM 64QAM	1	1	18.28	18.39	18.19	20.00
	DFT-s-OFDM 256QAM	1	1	17.00	17.08	17.28	18.00
	CP-OFDM QPSK	1	1	19.75	19.70	19.88	21.00
	CP-OFDM 16QAM	1	1	19.59	19.48	19.58	20.50
	CP-OFDM 64QAM	1	1	17.96	17.78	17.75	19.00
	CP-OFDM 256QAM	1	1	14.67	14.47	14.67	16.00

N12-ANT4 Level1&2&3&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		140300	141500	142700	Tune-up power(dB
		RB Size	RB offest	701.5	707.5	713.5	
5	DFT-s-OFDM QPSK	1	1	21.22	21.09	21.02	22.50
Bandwidth (MHz)	Modulation	Channel		140800	141500	142200	Tune-up power(dB
		RB Size	RB offest	704	707.5	711	
10	DFT-s-OFDM QPSK	1	1	21.35	21.00	20.91	22.50
Bandwidth (MHz)	Modulation	Channel		141300	141500	141700	Tune-up power(dB
		RB Size	RB offest	706.5	707.5	708.5	
15	DFT-s-OFDM BPSK	1	1	21.34	21.41	22.12	22.50
		1	40	21.25	21.43	21.21	22.50
		1	77	21.00	21.05	20.98	22.50
	DFT-s-OFDM BPSK	36	0	20.90	20.97	20.86	22.50
		36	22	21.41	21.46	21.46	22.50
		36	43	20.86	20.96	21.04	22.50
	DFT-s-OFDM BPSK	75	0	21.10	20.93	20.78	21.50
	DFT-s-OFDM QPSK	1	1	21.20	21.15	20.99	22.50
		1	40	21.23	21.35	21.51	22.50
		1	77	21.01	20.97	20.96	22.50
	DFT-s-OFDM QPSK	36	0	20.86	20.72	20.88	22.50
		36	22	21.46	21.36	21.45	22.50
		36	43	20.78	20.75	21.24	22.50
	DFT-s-OFDM QPSK	75	0	20.56	20.43	20.24	21.50
	DFT-s-OFDM 16QAM	1	1	19.76	19.92	20.10	21.50
	DFT-s-OFDM 64QAM	1	1	18.28	18.39	18.19	20.00
	DFT-s-OFDM 256QAM	1	1	17.00	17.08	17.28	18.00
	CP-OFDM QPSK	1	1	19.75	19.70	19.88	21.00
	CP-OFDM 16QAM	1	1	19.59	19.48	19.58	20.50
	CP-OFDM 64QAM	1	1	17.96	17.78	17.75	19.00
	CP-OFDM 256QAM	1	1	14.67	14.47	14.67	16.00

N12-ANT0 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		140300	141500	142700	Tune-up power(dB
		RB Size	RB offest	701.5	707.5	713.5	
5	DFT-s-OFDM QPSK	1	1	22.09	22.15	22.01	23.00
Bandwidth (MHz)	Modulation	Channel		140800	141500	142200	Tune-up power(dB
		RB Size	RB offest	704	707.5	711	
10	DFT-s-OFDM QPSK	1	1	22.16	21.91	22.29	23.00
Bandwidth (MHz)	Modulation	Channel		141300	141500	141700	Tune-up power(dB
		RB Size	RB offest	706.5	707.5	708.5	
15	DFT-s-OFDM BPSK	1	1	21.95	22.03	22.02	23.00
		1	40	22.18	22.19	22.11	23.00
		1	77	22.16	21.96	21.73	23.00
	DFT-s-OFDM BPSK	36	0	21.67	21.63	21.56	23.00
		36	22	22.11	22.16	22.08	23.00
		36	43	21.59	21.58	21.42	23.00
	DFT-s-OFDM BPSK	75	0	21.47	21.40	21.45	22.00
	DFT-s-OFDM QPSK	1	1	22.06	21.95	22.11	23.00
		1	40	21.97	22.11	21.96	23.00
		1	77	21.70	21.80	21.65	23.00
	DFT-s-OFDM QPSK	36	0	21.13	21.07	21.03	23.00
		36	22	22.17	22.09	22.11	23.00
		36	43	21.12	21.02	21.06	23.00
	DFT-s-OFDM QPSK	75	0	21.17	21.09	20.92	22.00
	DFT-s-OFDM 16QAM	1	1	20.77	20.73	20.62	22.00
	DFT-s-OFDM 64QAM	1	1	18.99	19.17	19.33	20.50
	DFT-s-OFDM 256QAM	1	1	17.79	17.85	17.98	18.50
	CP-OFDM QPSK	1	1	20.63	20.51	20.67	21.50
	CP-OFDM 16QAM	1	1	20.08	20.25	20.21	21.00
	CP-OFDM 64QAM	1	1	18.73	18.57	18.76	19.50
	CP-OFDM 256QAM	1	1	15.10	15.25	15.27	16.50

N12-ANT0 Level1&2&3&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		140300	141500	142700	Tune-up power(dB
		RB Size	RB offest	701.5	707.5	713.5	
5	DFT-s-OFDM QPSK	1	1	22.09	22.15	22.01	23.00
Bandwidth (MHz)	Modulation	Channel		140800	141500	142200	Tune-up power(dB
		RB Size	RB offest	704	707.5	711	
10	DFT-s-OFDM QPSK	1	1	22.16	21.91	22.29	23.00
Bandwidth (MHz)	Modulation	Channel		141300	141500	141700	Tune-up power(dB
		RB Size	RB offest	706.5	707.5	708.5	
15	DFT-s-OFDM BPSK	1	1	21.95	22.03	22.02	23.00
		1	40	22.18	22.19	22.11	23.00
		1	77	22.16	21.96	21.73	23.00
	DFT-s-OFDM BPSK	36	0	21.67	21.63	21.56	23.00
		36	22	22.11	22.16	22.08	23.00
		36	43	21.59	21.58	21.42	23.00
	DFT-s-OFDM BPSK	75	0	21.47	21.40	21.45	22.00
	DFT-s-OFDM QPSK	1	1	22.06	21.95	22.11	23.00
		1	40	21.97	22.11	21.96	23.00
		1	77	21.70	21.80	21.65	23.00
	DFT-s-OFDM QPSK	36	0	21.13	21.07	21.03	23.00
		36	22	22.17	22.09	22.11	23.00
		36	43	21.12	21.02	21.06	23.00
	DFT-s-OFDM QPSK	75	0	21.17	21.09	20.92	22.00
	DFT-s-OFDM 16QAM	1	1	20.77	20.73	20.62	22.00
	DFT-s-OFDM 64QAM	1	1	18.99	19.17	19.33	20.50
	DFT-s-OFDM 256QAM	1	1	17.79	17.85	17.98	18.50
	CP-OFDM QPSK	1	1	20.63	20.51	20.67	21.50
	CP-OFDM 16QAM	1	1	20.08	20.25	20.21	21.00
	CP-OFDM 64QAM	1	1	18.73	18.57	18.76	19.50
	CP-OFDM 256QAM	1	1	15.10	15.25	15.27	16.50

N38-ANT4 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	22.87	23.04	22.94	23.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	23.17	23.01	23.29	23.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	22.94	22.90	22.98	23.50
		1	26	23.04	23.07	23.02	23.50
		1	49	22.95	22.96	22.94	23.50
	DFT-s-OFDM BPSK	25	0	22.59	22.62	22.57	23.50
		25	13	22.97	23.16	22.98	23.50
		25	26	22.67	22.67	22.50	23.50
	DFT-s-OFDM BPSK	50	0	22.81	22.68	22.54	23.00
	DFT-s-OFDM QPSK	1	1	23.07	22.94	23.10	23.50
		1	26	23.13	23.04	22.90	23.50
		1	49	22.89	22.93	23.09	23.50
	DFT-s-OFDM QPSK	25	0	22.08	22.04	22.07	23.50
		25	13	23.13	23.11	23.17	23.50
		25	26	22.20	22.12	22.01	23.50
	DFT-s-OFDM QPSK	50	0	22.25	22.12	22.26	22.50
	DFT-s-OFDM 16QAM	1	1	21.65	21.65	21.84	22.50
	DFT-s-OFDM 64QAM	1	1	20.13	20.24	20.30	21.00
	DFT-s-OFDM 256QAM	1	1	18.74	18.84	18.75	19.00
	CP-OFDM QPSK	1	1	21.73	21.56	21.61	22.00
	CP-OFDM 16QAM	1	1	21.23	21.26	21.10	21.50
	CP-OFDM 64QAM	1	1	19.56	19.62	19.70	20.00
	CP-OFDM 256QAM	1	1	16.20	16.32	16.47	17.00

N38-ANT4 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	16.26	16.60	16.37	17.00
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	16.57	16.38	16.89	17.00
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	16.26	16.44	16.35	17.00
		1	26	16.57	16.50	16.42	17.00
		1	49	16.43	16.39	16.42	17.00
	DFT-s-OFDM BPSK	25	0	15.97	16.11	15.95	17.00
		25	13	16.42	16.66	16.59	17.00
		25	26	16.02	16.23	15.91	17.00
	DFT-s-OFDM BPSK	50	0	16.20	16.12	16.01	17.00
	DFT-s-OFDM QPSK	1	1	16.64	16.36	16.43	17.00
		1	26	16.63	16.51	16.35	17.00
		1	49	16.26	16.34	16.67	17.00
	DFT-s-OFDM QPSK	25	0	15.43	15.58	15.60	17.00
		25	13	16.70	16.70	16.54	17.00
		25	26	15.59	15.57	15.49	17.00
	DFT-s-OFDM QPSK	50	0	15.79	15.44	15.68	17.00
	DFT-s-OFDM 16QAM	1	1	15.54	15.62	15.69	17.00
	DFT-s-OFDM 64QAM	1	1	15.65	15.60	15.83	17.00
	DFT-s-OFDM 256QAM	1	1	15.79	15.82	15.70	17.00
	CP-OFDM QPSK	1	1	15.65	15.64	15.67	17.00
	CP-OFDM 16QAM	1	1	15.71	15.80	15.54	17.00
	CP-OFDM 64QAM	1	1	15.61	15.73	15.57	17.00
	CP-OFDM 256QAM	1	1	15.87	15.84	15.94	17.00

N38-ANT4 Level2(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	21.96	21.91	22.00	22.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	22.26	22.06	22.28	22.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	21.86	21.76	22.05	22.50
		1	26	21.99	22.09	21.96	22.50
		1	49	21.97	21.87	21.77	22.50
	DFT-s-OFDM BPSK	25	0	21.47	21.62	21.42	22.50
		25	13	21.92	22.25	22.05	22.50
		25	26	21.60	21.71	21.58	22.50
	DFT-s-OFDM BPSK	50	0	21.65	21.56	21.61	22.50
	DFT-s-OFDM QPSK	1	1	22.02	21.94	22.17	22.50
		1	26	22.13	21.98	21.72	22.50
		1	49	21.71	21.93	22.12	22.50
	DFT-s-OFDM QPSK	25	0	20.94	20.87	21.11	22.50
		25	13	21.97	21.95	22.17	22.50
		25	26	21.08	21.07	20.88	22.50
	DFT-s-OFDM QPSK	50	0	21.09	21.20	21.36	22.50
	DFT-s-OFDM 16QAM	1	1	21.57	21.75	21.75	22.50
	DFT-s-OFDM 64QAM	1	1	20.16	20.32	20.23	21.00
	DFT-s-OFDM 256QAM	1	1	18.69	18.68	18.65	19.00
	CP-OFDM QPSK	1	1	21.84	21.63	21.57	22.00
	CP-OFDM 16QAM	1	1	21.20	21.11	21.03	21.50
	CP-OFDM 64QAM	1	1	19.41	19.59	19.61	20.00
	CP-OFDM 256QAM	1	1	16.02	16.41	16.34	17.00

N38-ANT4 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	15.39	15.62	15.50	16.00
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	15.52	15.41	15.86	16.00
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	15.38	15.29	15.52	16.00
		1	26	15.39	15.48	15.52	16.00
		1	49	15.50	15.51	15.52	16.00
	DFT-s-OFDM BPSK	25	0	14.98	15.00	15.12	16.00
		25	13	15.34	15.69	15.57	16.00
		25	26	15.09	15.25	15.03	16.00
	DFT-s-OFDM BPSK	50	0	15.42	15.19	14.88	16.00
	DFT-s-OFDM QPSK	1	1	15.65	15.38	15.70	16.00
		1	26	15.61	15.50	15.30	16.00
		1	49	15.22	15.29	15.50	16.00
	DFT-s-OFDM QPSK	25	0	14.40	14.60	14.52	16.00
		25	13	15.58	15.54	15.66	16.00
		25	26	14.76	14.52	14.37	16.00
	DFT-s-OFDM QPSK	50	0	14.59	14.62	14.76	16.00
	DFT-s-OFDM 16QAM	1	1	14.49	14.48	14.87	16.00
	DFT-s-OFDM 64QAM	1	1	14.69	14.65	14.68	16.00
	DFT-s-OFDM 256QAM	1	1	14.85	14.69	14.86	16.00
	CP-OFDM QPSK	1	1	14.58	14.39	14.54	16.00
	CP-OFDM 16QAM	1	1	14.59	14.70	14.43	16.00
	CP-OFDM 64QAM	1	1	14.49	14.68	14.70	16.00
	CP-OFDM 256QAM	1	1	14.67	14.86	14.79	16.00

N38-ANT4 Level4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	18.19	18.53	18.35	19.00
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	18.56	18.53	18.77	19.00
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	18.41	18.51	18.52	19.00
		1	26	18.55	18.45	18.55	19.00
		1	49	18.54	18.34	18.55	19.00
	DFT-s-OFDM BPSK	25	0	17.93	18.04	18.09	19.00
		25	13	18.44	18.58	18.33	19.00
		25	26	17.99	17.99	17.98	19.00
	DFT-s-OFDM BPSK	50	0	18.18	18.11	18.04	19.00
	DFT-s-OFDM QPSK	1	1	18.63	18.37	18.67	19.00
		1	26	18.56	18.60	18.43	19.00
		1	49	18.40	18.50	18.52	19.00
	DFT-s-OFDM QPSK	25	0	17.59	17.50	17.67	19.00
		25	13	18.74	18.50	18.78	19.00
		25	26	17.76	17.60	17.59	19.00
	DFT-s-OFDM QPSK	50	0	17.70	17.59	17.60	19.00
	DFT-s-OFDM 16QAM	1	1	18.00	18.19	18.22	19.00
	DFT-s-OFDM 64QAM	1	1	17.67	17.70	17.75	19.00
	DFT-s-OFDM 256QAM	1	1	18.16	18.17	18.25	19.00
	CP-OFDM QPSK	1	1	18.15	17.93	18.17	19.00
	CP-OFDM 16QAM	1	1	18.32	18.34	17.97	19.00
	CP-OFDM 64QAM	1	1	17.93	18.14	18.23	19.00
	CP-OFDM 256QAM	1	1	16.08	16.21	16.39	17.00

N38-ANT4 Full power(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	22.87	23.04	22.94	23.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	23.17	23.01	23.29	23.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	22.94	22.90	22.98	23.50
		1	26	23.04	23.07	23.02	23.50
		1	49	22.95	22.96	22.94	23.50
	DFT-s-OFDM BPSK	25	0	22.59	22.62	22.57	23.50
		25	13	22.97	23.16	22.98	23.50
		25	26	22.67	22.67	22.50	23.50
	DFT-s-OFDM BPSK	50	0	22.81	22.68	22.54	23.00
	DFT-s-OFDM QPSK	1	1	23.07	22.94	23.10	23.50
		1	26	23.13	23.04	22.90	23.50
		1	49	22.89	22.93	23.09	23.50
	DFT-s-OFDM QPSK	25	0	22.08	22.04	22.07	23.50
		25	13	23.13	23.11	23.17	23.50
		25	26	22.20	22.12	22.01	23.50
	DFT-s-OFDM QPSK	50	0	22.25	22.12	22.26	22.50
	DFT-s-OFDM 16QAM	1	1	21.65	21.65	21.84	22.50
	DFT-s-OFDM 64QAM	1	1	20.13	20.24	20.30	21.00
	DFT-s-OFDM 256QAM	1	1	18.74	18.84	18.75	19.00
	CP-OFDM QPSK	1	1	21.73	21.56	21.61	22.00
	CP-OFDM 16QAM	1	1	21.23	21.26	21.10	21.50
	CP-OFDM 64QAM	1	1	19.56	19.62	19.70	20.00
	CP-OFDM 256QAM	1	1	16.20	16.32	16.47	17.00

N38-ANT4 Level1(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	15.39	15.62	15.50	16.00
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	15.52	15.41	15.86	16.00
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	15.38	15.29	15.52	16.00
		1	26	15.39	15.48	15.52	16.00
		1	49	15.50	15.51	15.52	16.00
	DFT-s-OFDM BPSK	25	0	14.98	15.00	15.12	16.00
		25	13	15.34	15.69	15.57	16.00
		25	26	15.09	15.25	15.03	16.00
	DFT-s-OFDM BPSK	50	0	15.42	15.19	14.88	16.00
	DFT-s-OFDM QPSK	1	1	15.65	15.38	15.70	16.00
		1	26	15.61	15.50	15.30	16.00
		1	49	15.22	15.29	15.50	16.00
	DFT-s-OFDM QPSK	25	0	14.40	14.60	14.52	16.00
		25	13	15.58	15.54	15.66	16.00
		25	26	14.76	14.52	14.37	16.00
	DFT-s-OFDM QPSK	50	0	14.59	14.62	14.76	16.00
	DFT-s-OFDM 16QAM	1	1	14.49	14.48	14.87	16.00
	DFT-s-OFDM 64QAM	1	1	14.69	14.65	14.68	16.00
	DFT-s-OFDM 256QAM	1	1	14.85	14.69	14.86	16.00
	CP-OFDM QPSK	1	1	14.58	14.39	14.54	16.00
	CP-OFDM 16QAM	1	1	14.59	14.70	14.43	16.00
	CP-OFDM 64QAM	1	1	14.49	14.68	14.70	16.00
	CP-OFDM 256QAM	1	1	14.67	14.86	14.79	16.00

N38-ANT4 Level2(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	21.03	20.86	20.98	21.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	21.31	21.09	21.38	21.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	20.72	20.68	20.88	21.50
		1	26	20.98	21.04	20.97	21.50
		1	49	21.05	20.92	20.73	21.50
	DFT-s-OFDM BPSK	25	0	20.40	20.65	20.45	21.50
		25	13	20.78	21.28	20.96	21.50
		25	26	20.62	20.63	20.58	21.50
	DFT-s-OFDM BPSK	50	0	20.64	20.62	20.48	21.50
	DFT-s-OFDM QPSK	1	1	20.99	20.76	21.08	21.50
		1	26	21.17	21.03	20.62	21.50
		1	49	20.76	20.85	21.05	21.50
	DFT-s-OFDM QPSK	25	0	20.00	19.94	20.16	21.50
		25	13	21.08	20.78	21.16	21.50
		25	26	20.04	20.02	19.94	21.50
	DFT-s-OFDM QPSK	50	0	20.13	20.16	20.45	21.50
	DFT-s-OFDM 16QAM	1	1	20.67	20.59	20.74	21.50
	DFT-s-OFDM 64QAM	1	1	20.21	20.19	20.33	21.00
	DFT-s-OFDM 256QAM	1	1	18.59	18.76	18.66	19.00
	CP-OFDM QPSK	1	1	20.92	20.56	20.59	21.50
	CP-OFDM 16QAM	1	1	20.12	20.08	19.93	21.50
	CP-OFDM 64QAM	1	1	19.50	19.57	19.65	20.00
	CP-OFDM 256QAM	1	1	16.10	16.44	16.28	17.00

N38-ANT4 Level3(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	14.67	14.46	14.68	15.00
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	14.56	14.62	14.68	15.00
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	14.68	14.66	14.69	15.00
		1	26	14.87	14.75	14.83	15.00
		1	49	14.74	14.68	14.73	15.00
	DFT-s-OFDM BPSK	25	0	14.72	14.73	14.73	15.00
		25	13	14.95	14.80	14.92	15.00
		25	26	14.85	14.78	14.93	15.00
	DFT-s-OFDM BPSK	50	0	14.87	14.82	14.74	15.00
	DFT-s-OFDM QPSK	1	1	14.57	14.65	14.60	15.00
		1	26	14.81	14.78	14.73	15.00
		1	49	14.57	14.63	14.82	15.00
	DFT-s-OFDM QPSK	25	0	14.64	14.75	14.92	15.00
		25	13	14.85	14.81	14.89	15.00
		25	26	14.81	14.79	14.59	15.00
	DFT-s-OFDM QPSK	50	0	14.73	14.80	14.83	15.00
	DFT-s-OFDM 16QAM	1	1	14.59	14.42	14.56	15.00
	DFT-s-OFDM 64QAM	1	1	14.54	14.39	14.26	15.00
	DFT-s-OFDM 256QAM	1	1	14.88	14.86	14.71	15.00
	CP-OFDM QPSK	1	1	14.67	14.74	14.76	15.00
	CP-OFDM 16QAM	1	1	14.97	14.87	15.00	15.00
	CP-OFDM 64QAM	1	1	14.90	14.72	14.60	15.00
	CP-OFDM 256QAM	1	1	14.68	14.56	14.44	15.00

N38-ANT4 Level4(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	18.19	18.53	18.35	19.00
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	18.56	18.53	18.77	19.00
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	18.41	18.51	18.52	19.00
		1	26	18.55	18.45	18.55	19.00
		1	49	18.54	18.34	18.55	19.00
	DFT-s-OFDM BPSK	25	0	17.93	18.04	18.09	19.00
		25	13	18.44	18.58	18.33	19.00
		25	26	17.99	17.99	17.98	19.00
	DFT-s-OFDM BPSK	50	0	18.18	18.11	18.04	19.00
	DFT-s-OFDM QPSK	1	1	18.63	18.37	18.67	19.00
		1	26	18.56	18.60	18.43	19.00
		1	49	18.40	18.50	18.52	19.00
	DFT-s-OFDM QPSK	25	0	17.59	17.50	17.67	19.00
		25	13	18.74	18.50	18.78	19.00
		25	26	17.76	17.60	17.59	19.00
	DFT-s-OFDM QPSK	50	0	17.70	17.59	17.60	19.00
	DFT-s-OFDM 16QAM	1	1	18.00	18.19	18.22	19.00
	DFT-s-OFDM 64QAM	1	1	17.67	17.70	17.75	19.00
	DFT-s-OFDM 256QAM	1	1	18.16	18.17	18.25	19.00
	CP-OFDM QPSK	1	1	18.15	17.93	18.17	19.00
	CP-OFDM 16QAM	1	1	18.32	18.34	17.97	19.00
	CP-OFDM 64QAM	1	1	17.93	18.14	18.23	19.00
	CP-OFDM 256QAM	1	1	16.08	16.21	16.39	17.00

N38-ANT1 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	20.13	19.91	19.77	20.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	19.98	19.73	20.08	20.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	19.71	19.82	19.95	20.50
		1	26	19.93	20.12	20.11	20.50
		1	49	19.86	19.93	20.08	20.50
	DFT-s-OFDM BPSK	25	0	19.40	19.45	19.42	20.50
		25	13	20.09	20.08	20.25	20.50
		25	26	19.50	19.58	19.49	20.50
	DFT-s-OFDM BPSK	50	0	19.38	19.57	19.47	20.00
	DFT-s-OFDM QPSK	1	1	19.97	19.78	19.90	20.50
		1	26	20.08	19.95	20.14	20.50
		1	49	19.78	19.89	19.87	20.50
	DFT-s-OFDM QPSK	25	0	18.75	18.93	19.08	20.50
		25	13	20.14	20.01	19.94	20.50
		25	26	19.03	19.07	18.91	20.50
	DFT-s-OFDM QPSK	50	0	18.96	19.03	18.89	19.50
	DFT-s-OFDM 16QAM	1	1	18.49	18.59	18.50	19.50
	DFT-s-OFDM 64QAM	1	1	17.17	17.13	17.33	18.00
	DFT-s-OFDM 256QAM	1	1	15.81	15.75	15.84	16.00
	CP-OFDM QPSK	1	1	18.43	18.42	18.40	19.00
	CP-OFDM 16QAM	1	1	18.16	18.12	18.19	18.50
	CP-OFDM 64QAM	1	1	16.66	16.47	16.29	17.00
	CP-OFDM 256QAM	1	1	13.39	13.19	13.22	14.00

N38-ANT1 Level1&2&3&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB
		RB Size	RB offest	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	20.13	19.91	19.77	20.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB
		RB Size	RB offest	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	19.98	19.73	20.08	20.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	19.71	19.82	19.95	20.50
		1	26	19.93	20.12	20.11	20.50
		1	49	19.86	19.93	20.08	20.50
	DFT-s-OFDM BPSK	25	0	19.40	19.45	19.42	20.50
		25	13	20.09	20.08	20.25	20.50
		25	26	19.50	19.58	19.49	20.50
	DFT-s-OFDM BPSK	50	0	19.38	19.57	19.47	20.00
	DFT-s-OFDM QPSK	1	1	19.97	19.78	19.90	20.50
		1	26	20.08	19.95	20.14	20.50
		1	49	19.78	19.89	19.87	20.50
	DFT-s-OFDM QPSK	25	0	18.75	18.93	19.08	20.50
		25	13	20.14	20.01	19.94	20.50
		25	26	19.03	19.07	18.91	20.50
	DFT-s-OFDM QPSK	50	0	18.96	19.03	18.89	19.50
	DFT-s-OFDM 16QAM	1	1	18.49	18.59	18.50	19.50
	DFT-s-OFDM 64QAM	1	1	17.17	17.13	17.33	18.00
	DFT-s-OFDM 256QAM	1	1	15.81	15.75	15.84	16.00
	CP-OFDM QPSK	1	1	18.43	18.42	18.40	19.00
	CP-OFDM 16QAM	1	1	18.16	18.12	18.19	18.50
	CP-OFDM 64QAM	1	1	16.66	16.47	16.29	17.00
	CP-OFDM 256QAM	1	1	13.39	13.19	13.22	14.00

N41-ANT4 Full power(Only for SA)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	23.42	22.98	23.17	23.16	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	23.33	23.20	23.51	23.91	23.50	24.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	23.53	23.50	23.48	23.37	23.63	24.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	23.46	22.73	23.03	22.96	23.25	24.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	23.74	22.86	22.93	23.30	23.30	24.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	23.57	23.07	23.05	23.15	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	23.28	23.10	23.12	23.25	23.37	24.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	23.18	22.92	22.97	23.12	23.20	24.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	23.45	22.65	23.22	23.10	23.06	24.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	23.63	23.54	23.34	23.32	23.48	24.50
		1	137	24.24	24.40	24.29	24.31	24.31	24.50
		1	271	23.42	23.25	23.54	23.51	23.73	24.50
	DFT-s-OFDM BPSK	135	0	23.37	23.12	23.27	23.46	23.49	24.50
		135	69	24.29	24.12	24.19	24.06	24.42	24.50
		135	138	23.52	23.77	23.77	23.67	23.64	24.50
	DFT-s-OFDM BPSK	270	0	23.40	23.24	23.43	23.44	23.51	24.00
	DFT-s-OFDM QPSK	1	1	23.20	23.02	23.30	22.95	23.39	24.50
		1	137	24.24	23.99	24.40	24.33	24.41	24.50
		1	271	23.44	23.21	23.27	23.39	23.51	24.50
	DFT-s-OFDM QPSK	135	0	23.53	23.53	23.41	23.53	23.57	24.50
		135	69	24.36	24.45	24.36	24.10	24.24	24.50
		135	138	23.59	23.75	23.58	23.65	23.86	24.50
	DFT-s-OFDM QPSK	270	0	23.50	23.70	23.71	23.48	23.28	24.00
	DFT-s-OFDM 16QAM	1	1	21.76	22.33	22.09	22.07	21.77	23.50
	DFT-s-OFDM 64QAM	1	1	21.13	21.09	21.11	20.98	21.20	22.00
	DFT-s-OFDM 256QAM	1	1	19.84	19.56	19.58	19.31	19.68	20.00
	CP-OFDM QPSK	1	1	22.18	21.95	22.00	22.28	22.25	23.00
	CP-OFDM 16QAM	1	1	21.61	21.93	21.99	21.96	21.89	22.50
	CP-OFDM 64QAM	1	1	20.38	19.89	20.04	19.96	20.30	21.00
	CP-OFDM 256QAM	1	1	16.87	16.70	16.95	16.84	16.55	18.00

N41-ANT4 Level1(Only for SA)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	15.22	15.21	15.02	15.33	14.87	16.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	15.34	15.96	15.27	15.00	15.70	16.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	15.37	15.78	15.63	15.30	15.47	16.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	15.15	15.13	14.74	15.00	15.01	16.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	15.00	15.17	14.93	14.92	15.01	16.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	14.95	15.05	14.96	15.05	14.98	16.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	14.86	15.08	15.05	14.92	15.05	16.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	14.72	15.00	15.05	15.35	14.78	16.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	14.98	14.83	14.95	14.95	15.23	16.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	15.64	15.14	14.92	15.41	15.03	16.00
		1	137	15.77	15.64	15.77	15.68	15.63	16.00
		1	271	15.54	15.35	15.04	15.83	15.79	16.00
	DFT-s-OFDM BPSK	135	0	15.62	15.37	15.33	15.21	15.57	16.00
		135	69	15.61	15.60	15.76	15.56	15.83	16.00
		135	138	15.74	15.44	15.57	15.47	15.92	16.00
	DFT-s-OFDM BPSK	270	0	15.86	15.66	15.44	15.77	15.78	16.00
	DFT-s-OFDM QPSK	1	1	14.87	15.22	15.19	15.17	15.16	16.00
		1	137	15.49	15.58	15.71	15.44	15.40	16.00
		1	271	14.89	15.42	15.01	15.10	15.03	16.00
	DFT-s-OFDM QPSK	135	0	15.49	15.63	15.59	15.38	15.63	16.00
		135	69	15.65	15.65	15.67	15.60	15.75	16.00
		135	138	15.78	15.55	15.71	15.48	15.71	16.00
	DFT-s-OFDM QPSK	270	0	15.52	15.78	15.70	15.53	15.49	16.00
	DFT-s-OFDM 16QAM	1	1	14.73	14.69	14.97	14.80	14.84	16.00
	DFT-s-OFDM 64QAM	1	1	14.63	14.97	14.91	15.10	15.01	16.00
	DFT-s-OFDM 256QAM	1	1	15.59	15.70	15.62	15.57	15.54	16.00
	CP-OFDM QPSK	1	1	15.03	15.28	15.19	15.08	15.18	16.00
	CP-OFDM 16QAM	1	1	15.33	15.30	15.48	15.46	15.34	16.00
	CP-OFDM 64QAM	1	1	15.38	15.17	15.32	15.43	15.20	16.00
	CP-OFDM 256QAM	1	1	14.76	14.83	15.01	15.02	14.69	16.00

N41-ANT4 Level2(Only for SA)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	20.30	20.59	20.22	20.52	20.33	21.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	20.77	20.58	20.78	20.95	20.98	21.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	20.76	20.77	21.03	20.74	20.63	21.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	20.12	20.49	20.34	20.36	20.11	21.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	20.29	20.57	20.14	20.33	20.24	21.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	20.16	20.69	20.10	20.55	20.32	21.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	20.10	20.35	19.98	20.49	20.37	21.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	20.18	20.34	20.30	20.35	19.97	21.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	20.51	20.76	20.21	20.44	20.31	21.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	20.82	20.79	20.20	20.28	20.27	21.50
		1	137	21.40	21.08	21.10	21.06	21.09	21.50
		1	271	20.62	20.54	20.52	20.61	20.93	21.50
	DFT-s-OFDM BPSK	135	0	20.69	20.95	20.73	20.72	20.89	21.50
		135	69	21.41	20.97	21.23	20.89	21.06	21.50
		135	138	20.80	21.16	21.14	20.86	21.01	21.50
	DFT-s-OFDM BPSK	270	0	20.92	20.69	21.01	20.66	20.90	21.50
	DFT-s-OFDM QPSK	1	1	20.16	20.44	20.23	20.34	20.22	21.50
		1	137	20.96	20.89	20.85	20.88	20.77	21.50
		1	271	20.24	20.22	20.21	20.50	20.52	21.50
	DFT-s-OFDM QPSK	135	0	20.71	20.82	20.70	20.93	20.73	21.50
		135	69	20.95	21.15	21.05	21.02	20.87	21.50
		135	138	20.84	21.24	21.05	21.00	21.01	21.50
	DFT-s-OFDM QPSK	270	0	20.96	20.55	20.72	20.76	20.81	21.50
	DFT-s-OFDM 16QAM	1	1	20.42	20.34	20.35	20.29	20.33	21.50
	DFT-s-OFDM 64QAM	1	1	19.92	20.15	20.14	20.24	20.12	21.50
	DFT-s-OFDM 256QAM	1	1	19.86	19.72	19.56	19.65	19.65	20.00
	CP-OFDM QPSK	1	1	20.37	20.11	20.28	20.32	20.36	21.50
	CP-OFDM 16QAM	1	1	20.81	20.59	20.69	20.66	20.44	21.50
	CP-OFDM 64QAM	1	1	20.32	20.11	20.21	20.16	20.39	21.00
	CP-OFDM 256QAM	1	1	17.21	17.31	17.01	17.14	17.39	18.00

N41-ANT4 Level3(Only for SA)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	13.89	14.13	14.05	14.09	13.94	15.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	14.31	14.17	14.41	13.96	14.61	15.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	14.33	14.25	14.43	14.13	14.58	15.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	13.82	14.06	13.82	14.10	13.94	15.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	13.78	14.07	13.99	14.24	14.34	15.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	13.61	13.85	14.02	13.98	13.83	15.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	13.95	13.70	13.78	13.90	13.65	15.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	13.63	13.78	13.91	13.95	14.33	15.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	13.56	13.99	13.78	13.69	13.99	15.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	14.46	14.29	13.93	13.84	13.96	15.00
		1	137	14.70	14.47	14.63	14.71	14.49	15.00
		1	271	14.07	14.26	14.17	14.30	14.19	15.00
	DFT-s-OFDM BPSK	135	0	13.91	14.21	14.26	14.33	14.41	15.00
		135	69	14.52	14.56	14.64	14.78	14.67	15.00
		135	138	14.33	14.47	14.45	14.71	14.49	15.00
	DFT-s-OFDM BPSK	270	0	14.30	14.45	14.28	14.33	14.07	15.00
	DFT-s-OFDM QPSK	1	1	13.79	13.97	13.98	13.96	14.05	15.00
		1	137	14.10	14.51	14.36	14.34	14.44	15.00
		1	271	14.05	14.05	13.90	14.02	13.79	15.00
	DFT-s-OFDM QPSK	135	0	14.33	14.47	14.28	14.00	14.43	15.00
		135	69	14.46	14.37	14.65	14.84	14.37	15.00
		135	138	14.60	14.31	14.40	14.43	14.68	15.00
	DFT-s-OFDM QPSK	270	0	14.31	14.48	14.28	14.62	14.33	15.00
	DFT-s-OFDM 16QAM	1	1	13.28	13.56	13.49	13.23	13.58	15.00
	DFT-s-OFDM 64QAM	1	1	13.90	13.80	13.68	13.60	13.82	15.00
	DFT-s-OFDM 256QAM	1	1	13.82	14.29	14.03	13.94	13.99	15.00
	CP-OFDM QPSK	1	1	13.81	13.68	13.99	13.83	14.08	15.00
	CP-OFDM 16QAM	1	1	13.84	13.91	13.92	13.75	14.12	15.00
	CP-OFDM 64QAM	1	1	14.02	13.93	13.88	13.66	14.01	15.00
	CP-OFDM 256QAM	1	1	13.79	13.81	13.65	13.94	13.93	15.00

N41-ANT4 Level4(Only for SA)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	16.72	17.15	17.36	17.25	17.16	18.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	17.43	17.54	17.69	17.72	17.87	18.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	17.90	17.48	17.92	17.51	17.80	18.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	16.66	17.58	17.23	17.20	17.55	18.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	17.05	17.36	17.25	17.33	17.35	18.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	16.83	17.25	17.18	17.10	17.53	18.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	17.09	17.06	17.13	16.91	17.25	18.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	17.06	17.35	17.45	17.25	17.42	18.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	17.08	17.25	17.03	17.13	17.33	18.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	17.73	17.44	17.05	17.24	17.07	18.50
		1	137	18.20	18.13	17.88	18.20	18.01	18.50
		1	271	17.52	17.43	17.48	17.80	17.76	18.50
	DFT-s-OFDM BPSK	135	0	17.74	17.63	17.81	17.56	17.62	18.50
		135	69	17.85	17.94	17.96	17.82	18.32	18.50
		135	138	17.66	17.98	17.96	18.12	18.10	18.50
	DFT-s-OFDM BPSK	270	0	18.05	17.57	17.93	17.82	17.91	18.50
	DFT-s-OFDM QPSK	1	1	17.11	17.37	17.35	17.35	17.28	18.50
		1	137	17.90	17.95	17.86	17.93	17.96	18.50
		1	271	17.45	17.48	17.13	17.23	17.41	18.50
	DFT-s-OFDM QPSK	135	0	17.61	17.59	17.72	17.70	17.61	18.50
		135	69	17.97	18.28	18.13	18.02	18.08	18.50
		135	138	17.86	17.84	18.05	17.64	18.22	18.50
	DFT-s-OFDM QPSK	270	0	17.92	17.85	17.91	17.95	17.70	18.50
	DFT-s-OFDM 16QAM	1	1	17.07	17.03	16.90	16.89	16.63	18.50
	DFT-s-OFDM 64QAM	1	1	17.16	17.17	16.94	16.86	16.85	18.50
	DFT-s-OFDM 256QAM	1	1	17.49	17.71	17.63	17.96	17.77	18.50
	CP-OFDM QPSK	1	1	17.11	17.48	17.34	17.58	17.39	18.50
	CP-OFDM 16QAM	1	1	17.49	17.44	17.38	17.63	17.44	18.50
	CP-OFDM 64QAM	1	1	17.44	17.32	17.35	17.05	17.41	18.50
	CP-OFDM 256QAM	1	1	17.36	16.86	17.04	17.12	17.15	18.00

N41-ANT4 Full power(Only for SA)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	25.30	24.67	24.85	24.86	25.15	26.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	25.24	25.13	25.45	25.61	25.12	26.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	25.15	25.28	25.20	25.31	25.34	26.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	25.26	24.59	24.78	24.89	25.14	26.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	25.34	24.82	24.81	25.05	24.92	26.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	25.22	24.72	24.82	24.92	25.18	26.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	24.95	24.96	24.77	25.01	25.02	26.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	25.13	24.81	24.92	24.80	24.96	26.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	25.10	24.59	24.92	24.97	24.82	26.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	25.28	25.18	24.96	25.08	25.14	26.50
		1	137	26.12	26.12	26.13	26.11	26.10	26.50
		1	271	25.12	25.08	25.17	25.25	25.45	26.50
	DFT-s-OFDM BPSK	135	0	25.03	24.99	25.18	25.18	25.38	26.50
		135	69	26.09	26.02	26.09	26.00	26.05	26.50
		135	138	25.19	25.52	25.39	25.35	25.41	26.50
	DFT-s-OFDM BPSK	270	0	25.25	25.10	25.30	25.23	25.47	26.00
	DFT-s-OFDM QPSK	1	1	25.14	24.76	24.94	24.85	24.99	26.50
		1	137	26.14	25.91	26.08	26.14	26.01	26.50
		1	271	25.21	25.03	25.12	25.28	25.31	26.50
	DFT-s-OFDM QPSK	135	0	25.30	25.26	25.27	25.44	25.21	26.50
		135	69	26.16	26.20	26.17	26.04	26.16	26.50
		135	138	25.41	25.59	25.45	25.49	25.53	26.50
	DFT-s-OFDM QPSK	270	0	25.44	25.48	25.33	25.40	25.22	26.00
	DFT-s-OFDM 16QAM	1	1	23.64	23.93	23.73	23.74	23.58	25.50
	DFT-s-OFDM 64QAM	1	1	22.89	22.79	22.74	22.75	22.80	24.00
	DFT-s-OFDM 256QAM	1	1	21.47	21.47	21.29	21.19	21.34	22.00
	CP-OFDM QPSK	1	1	23.98	23.83	23.95	24.00	23.87	25.00
	CP-OFDM 16QAM	1	1	23.57	23.75	23.63	23.74	23.56	24.50
	CP-OFDM 64QAM	1	1	21.99	21.84	21.99	21.81	22.19	23.00
	CP-OFDM 256QAM	1	1	18.68	18.46	18.65	18.69	18.51	20.00

N41-ANT4 Level1(Only for SA)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	16.84	16.96	16.84	17.00	16.69	18.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	17.29	17.62	17.14	16.94	17.37	18.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	17.10	17.42	17.44	16.97	17.41	18.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	16.82	16.77	16.66	16.63	16.95	18.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	16.92	16.82	16.77	16.76	16.86	18.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	16.89	16.89	16.72	16.89	16.79	18.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	16.55	16.79	16.96	16.68	16.78	18.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	16.64	16.91	16.68	16.95	16.70	18.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	16.60	16.69	16.64	16.87	16.87	18.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	17.41	17.03	16.84	17.22	16.84	18.00
		1	137	17.58	17.54	17.43	17.62	17.55	18.00
		1	271	17.36	17.22	16.93	17.54	17.45	18.00
	DFT-s-OFDM BPSK	135	0	17.45	17.27	17.25	17.15	17.19	18.00
		135	69	17.57	17.30	17.50	17.38	17.46	18.00
		135	138	17.49	17.26	17.44	17.31	17.58	18.00
	DFT-s-OFDM BPSK	270	0	17.57	17.33	17.40	17.47	17.39	18.00
	DFT-s-OFDM QPSK	1	1	16.75	16.86	16.83	16.81	16.88	18.00
		1	137	17.41	17.53	17.39	17.25	17.22	18.00
		1	271	16.81	17.02	16.93	16.99	16.92	18.00
	DFT-s-OFDM QPSK	135	0	17.27	17.42	17.24	17.05	17.30	18.00
		135	69	17.57	17.35	17.50	17.52	17.54	18.00
		135	138	17.63	17.33	17.45	17.33	17.46	18.00
	DFT-s-OFDM QPSK	270	0	17.22	17.41	17.36	17.49	17.22	18.00
	DFT-s-OFDM 16QAM	1	1	16.52	16.54	16.63	16.63	16.62	18.00
	DFT-s-OFDM 64QAM	1	1	16.51	16.59	16.69	16.73	16.89	18.00
	DFT-s-OFDM 256QAM	1	1	17.34	17.51	17.31	17.30	17.44	18.00
	CP-OFDM QPSK	1	1	16.83	17.16	16.96	16.95	16.98	18.00
	CP-OFDM 16QAM	1	1	17.18	17.15	17.18	17.26	17.14	18.00
	CP-OFDM 64QAM	1	1	17.17	17.00	17.02	17.17	17.10	18.00
	CP-OFDM 256QAM	1	1	16.67	16.71	16.80	16.82	16.65	18.00

N41-ANT4 Level2(Only for SA)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	22.12	22.19	21.95	22.18	22.05	23.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	22.56	22.29	22.41	22.56	22.72	23.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	22.57	22.43	22.70	22.42	22.53	23.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	21.92	22.13	22.06	22.16	21.85	23.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	22.10	22.41	22.05	22.13	22.04	23.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	21.99	22.34	21.99	22.17	22.03	23.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	22.01	22.02	21.88	22.15	22.07	23.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	21.99	22.20	22.16	22.29	21.75	23.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	22.20	22.39	22.04	22.31	22.09	23.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	22.89	22.70	22.37	22.52	22.39	23.50
		1	137	23.34	23.28	23.08	23.31	23.16	23.50
		1	271	22.54	22.64	22.48	22.74	22.92	23.50
	DFT-s-OFDM BPSK	135	0	22.82	23.03	22.88	22.93	22.86	23.50
		135	69	23.35	22.98	23.18	23.01	23.26	23.50
		135	138	22.97	23.23	23.10	23.09	23.15	23.50
	DFT-s-OFDM BPSK	270	0	22.84	22.53	22.70	22.55	22.52	23.50
	DFT-s-OFDM QPSK	1	1	22.01	22.21	22.04	22.22	21.94	23.50
		1	137	22.63	22.54	22.73	22.55	22.58	23.50
		1	271	22.14	22.12	22.15	22.25	22.16	23.50
	DFT-s-OFDM QPSK	135	0	22.50	22.43	22.56	22.56	22.54	23.50
		135	69	22.67	23.01	22.82	22.83	22.72	23.50
		135	138	22.75	22.89	22.75	22.80	22.61	23.50
	DFT-s-OFDM QPSK	270	0	22.73	22.47	22.65	22.65	22.71	23.50
	DFT-s-OFDM 16QAM	1	1	22.17	21.96	21.98	22.00	22.17	23.50
	DFT-s-OFDM 64QAM	1	1	21.85	21.82	21.79	21.84	21.77	23.50
	DFT-s-OFDM 256QAM	1	1	21.49	21.32	21.52	21.32	21.32	22.00
	CP-OFDM QPSK	1	1	22.07	21.93	22.11	21.98	22.24	23.50
	CP-OFDM 16QAM	1	1	22.44	22.23	22.32	22.35	22.21	23.50
	CP-OFDM 64QAM	1	1	22.25	21.99	22.14	21.97	22.14	23.00
	CP-OFDM 256QAM	1	1	19.08	19.03	18.88	19.00	19.06	20.00

N41-ANT4 Level3(Only for SA)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	15.56	15.89	15.74	15.88	15.64	17.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	16.22	15.95	16.14	15.89	16.26	17.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	16.24	16.17	16.23	15.82	16.20	17.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	15.57	15.89	15.56	15.91	15.90	17.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	15.61	15.75	15.75	15.88	15.96	17.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	15.28	15.77	15.70	15.81	15.79	17.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	15.57	15.63	15.69	15.82	15.61	17.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	15.47	15.70	15.64	15.68	15.96	17.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	15.36	15.59	15.39	15.62	15.67	17.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	16.12	15.97	15.66	15.78	15.62	17.00
		1	137	16.47	16.41	16.31	16.54	16.41	17.00
		1	271	15.85	15.88	15.79	16.11	16.02	17.00
	DFT-s-OFDM BPSK	135	0	15.83	16.14	16.03	16.01	16.08	17.00
		135	69	16.27	16.27	16.36	16.45	16.55	17.00
		135	138	16.23	16.30	16.27	16.32	16.19	17.00
	DFT-s-OFDM BPSK	270	0	16.12	16.34	16.16	16.03	15.98	17.00
	DFT-s-OFDM QPSK	1	1	15.44	15.77	15.58	15.73	15.78	17.00
		1	137	16.06	16.18	16.26	16.24	16.12	17.00
		1	271	15.75	15.66	15.76	15.77	15.71	17.00
	DFT-s-OFDM QPSK	135	0	16.06	16.12	16.04	15.88	16.09	17.00
		135	69	16.12	16.10	16.29	16.48	16.23	17.00
		135	138	16.23	16.24	16.27	16.38	16.42	17.00
	DFT-s-OFDM QPSK	270	0	16.26	16.23	16.17	16.35	16.27	17.00
	DFT-s-OFDM 16QAM	1	1	15.16	15.49	15.33	15.14	15.27	17.00
	DFT-s-OFDM 64QAM	1	1	15.56	15.43	15.38	15.52	15.57	17.00
	DFT-s-OFDM 256QAM	1	1	15.76	16.13	15.94	15.83	15.95	17.00
	CP-OFDM QPSK	1	1	15.65	15.55	15.65	15.51	15.82	17.00
	CP-OFDM 16QAM	1	1	15.69	15.75	15.81	15.64	15.88	17.00
	CP-OFDM 64QAM	1	1	15.67	15.58	15.66	15.59	15.80	17.00
	CP-OFDM 256QAM	1	1	15.42	15.41	15.41	15.56	15.54	17.00

N41-ANT4 Level4(Only for SA)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	18.64	19.07	19.15	19.14	18.90	20.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	19.31	19.44	19.46	19.65	19.71	20.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	19.52	19.41	19.64	19.44	19.45	20.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	18.62	19.21	18.93	18.87	19.18	20.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	18.82	19.10	19.04	18.94	19.12	20.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	18.64	19.09	18.80	18.93	19.20	20.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	18.84	18.92	18.91	18.87	19.05	20.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	18.71	19.04	19.16	18.94	19.07	20.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	18.70	19.14	18.78	19.05	19.19	20.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	19.70	19.60	19.26	19.42	19.28	20.50
		1	137	20.26	20.21	20.04	20.36	20.08	20.50
		1	271	19.46	19.52	19.42	19.70	19.74	20.50
	DFT-s-OFDM BPSK	135	0	19.82	19.89	19.85	19.80	19.67	20.50
		135	69	19.90	19.94	20.08	19.98	20.23	20.50
		135	138	19.83	20.20	20.02	20.06	20.18	20.50
	DFT-s-OFDM BPSK	270	0	19.66	19.42	19.62	19.59	19.73	20.50
	DFT-s-OFDM QPSK	1	1	18.81	19.09	18.96	18.95	19.00	20.50
		1	137	19.79	19.72	19.69	19.77	19.70	20.50
		1	271	19.26	19.14	19.09	18.94	19.17	20.50
	DFT-s-OFDM QPSK	135	0	19.47	19.34	19.51	19.61	19.55	20.50
		135	69	19.84	19.88	19.79	19.77	19.84	20.50
		135	138	19.75	19.55	19.71	19.53	19.86	20.50
	DFT-s-OFDM QPSK	270	0	19.73	19.62	19.59	19.57	19.54	20.50
	DFT-s-OFDM 16QAM	1	1	18.95	18.95	18.75	18.56	18.57	20.50
	DFT-s-OFDM 64QAM	1	1	18.86	18.85	18.78	18.66	18.78	20.50
	DFT-s-OFDM 256QAM	1	1	19.42	19.56	19.40	19.57	19.40	20.50
	CP-OFDM QPSK	1	1	18.87	19.21	19.06	19.26	19.01	20.50
	CP-OFDM 16QAM	1	1	19.19	19.30	19.29	19.41	19.34	20.50
	CP-OFDM 64QAM	1	1	19.12	19.23	19.11	18.91	19.19	20.50
	CP-OFDM 256QAM	1	1	19.05	18.76	18.86	19.06	18.84	20.00

N41-ANT4 Full power(Only for ENDC)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	23.42	22.98	23.17	23.16	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	23.33	23.20	23.51	23.91	23.50	24.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	23.53	23.50	23.48	23.37	23.63	24.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	23.46	22.73	23.03	22.96	23.25	24.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	23.74	22.86	22.93	23.30	23.30	24.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	23.57	23.07	23.05	23.15	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	23.28	23.10	23.12	23.25	23.37	24.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	23.18	22.92	22.97	23.12	23.20	24.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	23.45	22.65	23.22	23.10	23.06	24.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	23.63	23.54	23.34	23.32	23.48	24.50
		1	137	24.24	24.40	24.29	24.31	24.31	24.50
		1	271	23.42	23.25	23.54	23.51	23.73	24.50
	DFT-s-OFDM BPSK	135	0	23.37	23.12	23.27	23.46	23.49	24.50
		135	69	24.29	24.12	24.19	24.06	24.42	24.50
		135	138	23.52	23.77	23.77	23.67	23.64	24.50
	DFT-s-OFDM BPSK	270	0	23.40	23.24	23.43	23.44	23.51	24.00
	DFT-s-OFDM QPSK	1	1	23.20	23.02	23.30	22.95	23.39	24.50
		1	137	24.24	23.99	24.40	24.33	24.41	24.50
		1	271	23.44	23.21	23.27	23.39	23.51	24.50
	DFT-s-OFDM QPSK	135	0	23.53	23.53	23.41	23.53	23.57	24.50
		135	69	24.36	24.45	24.36	24.10	24.24	24.50
		135	138	23.59	23.75	23.58	23.65	23.86	24.50
	DFT-s-OFDM QPSK	270	0	23.50	23.70	23.71	23.48	23.28	24.00
	DFT-s-OFDM 16QAM	1	1	21.76	22.33	22.09	22.07	21.77	23.50
	DFT-s-OFDM 64QAM	1	1	21.13	21.09	21.11	20.98	21.20	22.00
	DFT-s-OFDM 256QAM	1	1	19.84	19.56	19.58	19.31	19.68	20.00
	CP-OFDM QPSK	1	1	22.18	21.95	22.00	22.28	22.25	23.00
	CP-OFDM 16QAM	1	1	21.61	21.93	21.99	21.96	21.89	22.50
	CP-OFDM 64QAM	1	1	20.38	19.89	20.04	19.96	20.30	21.00
	CP-OFDM 256QAM	1	1	16.87	16.70	16.95	16.84	16.55	18.00

N41-ANT4 Level1(Only for ENDC)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	13.89	14.13	14.05	14.09	13.94	15.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	14.31	14.17	14.41	13.96	14.61	15.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	14.33	14.25	14.43	14.13	14.58	15.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	13.82	14.06	13.82	14.10	13.94	15.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	13.78	14.07	13.99	14.24	14.34	15.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	13.61	13.85	14.02	13.98	13.83	15.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	13.95	13.70	13.78	13.90	13.65	15.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	13.63	13.78	13.91	13.95	14.33	15.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	13.56	13.99	13.78	13.69	13.99	15.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	14.46	14.29	13.93	13.84	13.96	15.00
		1	137	14.70	14.47	14.63	14.71	14.49	15.00
		1	271	14.07	14.26	14.17	14.30	14.19	15.00
	DFT-s-OFDM BPSK	135	0	13.91	14.21	14.26	14.33	14.41	15.00
		135	69	14.52	14.56	14.64	14.78	14.67	15.00
		135	138	14.33	14.47	14.45	14.71	14.49	15.00
	DFT-s-OFDM BPSK	270	0	14.30	14.45	14.28	14.33	14.07	15.00
	DFT-s-OFDM QPSK	1	1	13.79	13.97	13.98	13.96	14.05	15.00
		1	137	14.10	14.51	14.36	14.34	14.44	15.00
		1	271	14.05	14.05	13.90	14.02	13.79	15.00
	DFT-s-OFDM QPSK	135	0	14.33	14.47	14.28	14.00	14.43	15.00
		135	69	14.46	14.37	14.65	14.84	14.37	15.00
		135	138	14.60	14.31	14.40	14.43	14.68	15.00
	DFT-s-OFDM QPSK	270	0	14.31	14.48	14.28	14.62	14.33	15.00
	DFT-s-OFDM 16QAM	1	1	13.28	13.56	13.49	13.23	13.58	15.00
	DFT-s-OFDM 64QAM	1	1	13.90	13.80	13.68	13.60	13.82	15.00
	DFT-s-OFDM 256QAM	1	1	13.82	14.29	14.03	13.94	13.99	15.00
	CP-OFDM QPSK	1	1	13.81	13.68	13.99	13.83	14.08	15.00
	CP-OFDM 16QAM	1	1	13.84	13.91	13.92	13.75	14.12	15.00
	CP-OFDM 64QAM	1	1	14.02	13.93	13.88	13.66	14.01	15.00
	CP-OFDM 256QAM	1	1	13.79	13.81	13.65	13.94	13.93	15.00

N41-ANT4 Level2(Only for ENDC)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	20.30	20.59	20.22	20.52	20.33	21.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	20.77	20.58	20.78	20.95	20.98	21.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	20.76	20.77	21.03	20.74	20.63	21.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	20.12	20.49	20.34	20.36	20.11	21.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	20.29	20.57	20.14	20.33	20.24	21.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	20.16	20.69	20.10	20.55	20.32	21.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	20.10	20.35	19.98	20.49	20.37	21.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	20.18	20.34	20.30	20.35	19.97	21.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	20.51	20.76	20.21	20.44	20.31	21.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	20.82	20.79	20.20	20.28	20.27	21.50
		1	137	21.40	21.08	21.10	21.06	21.09	21.50
		1	271	20.62	20.54	20.52	20.61	20.93	21.50
	DFT-s-OFDM BPSK	135	0	20.69	20.95	20.73	20.72	20.89	21.50
		135	69	21.41	20.97	21.23	20.89	21.06	21.50
		135	138	20.80	21.16	21.14	20.86	21.01	21.50
	DFT-s-OFDM BPSK	270	0	20.92	20.69	21.01	20.66	20.90	21.50
	DFT-s-OFDM QPSK	1	1	20.16	20.44	20.23	20.34	20.22	21.50
		1	137	20.96	20.89	20.85	20.88	20.77	21.50
		1	271	20.24	20.22	20.21	20.50	20.52	21.50
	DFT-s-OFDM QPSK	135	0	20.71	20.82	20.70	20.93	20.73	21.50
		135	69	20.95	21.15	21.05	21.02	20.87	21.50
		135	138	20.84	21.24	21.05	21.00	21.01	21.50
	DFT-s-OFDM QPSK	270	0	20.96	20.55	20.72	20.76	20.81	21.50
	DFT-s-OFDM 16QAM	1	1	20.42	20.34	20.35	20.29	20.33	21.50
	DFT-s-OFDM 64QAM	1	1	19.92	20.15	20.14	20.24	20.12	21.50
	DFT-s-OFDM 256QAM	1	1	19.86	19.72	19.56	19.65	19.65	20.00
	CP-OFDM QPSK	1	1	20.37	20.11	20.28	20.32	20.36	21.50
	CP-OFDM 16QAM	1	1	20.81	20.59	20.69	20.66	20.44	21.50
	CP-OFDM 64QAM	1	1	20.32	20.11	20.21	20.16	20.39	21.00
	CP-OFDM 256QAM	1	1	17.21	17.31	17.01	17.14	17.39	18.00

N41-ANT4 Level3(Only for ENDC)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	12.83	13.24	12.79	12.95	13.06	14.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	13.59	13.32	13.32	12.94	13.38	14.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	13.37	13.56	13.44	12.94	13.23	14.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	12.71	13.25	12.69	13.11	13.24	14.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	12.60	13.02	12.97	13.13	13.20	14.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	12.71	12.75	13.13	12.79	12.93	14.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	12.78	13.10	12.91	12.84	12.71	14.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	12.90	12.91	12.75	13.10	13.18	14.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	12.68	12.85	12.51	13.03	13.07	14.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	13.33	13.41	12.88	12.98	12.92	14.00
		1	137	13.80	13.67	13.34	13.60	13.82	14.00
		1	271	12.88	12.98	13.18	13.43	13.25	14.00
	DFT-s-OFDM BPSK	135	0	12.79	13.59	13.13	13.24	13.27	14.00
		135	69	13.53	13.23	13.47	13.66	13.81	14.00
		135	138	13.69	13.43	13.51	13.62	13.52	14.00
	DFT-s-OFDM BPSK	270	0	13.41	13.48	13.29	13.20	13.35	14.00
	DFT-s-OFDM QPSK	1	1	12.59	13.24	12.89	13.15	13.24	14.00
		1	137	13.41	13.38	13.58	13.48	13.59	14.00
		1	271	13.12	13.03	12.98	13.17	12.96	14.00
	DFT-s-OFDM QPSK	135	0	13.25	13.23	13.46	13.26	13.29	14.00
		135	69	13.55	13.27	13.25	13.90	13.34	14.00
		135	138	13.62	13.35	13.60	13.71	13.70	14.00
	DFT-s-OFDM QPSK	270	0	13.63	13.61	13.43	13.67	13.50	14.00
	DFT-s-OFDM 16QAM	1	1	12.12	12.70	12.54	12.39	12.76	14.00
	DFT-s-OFDM 64QAM	1	1	12.89	12.69	12.54	12.75	12.69	14.00
	DFT-s-OFDM 256QAM	1	1	12.93	13.24	13.07	13.08	13.21	14.00
	CP-OFDM QPSK	1	1	12.82	12.94	12.76	12.76	12.87	14.00
	CP-OFDM 16QAM	1	1	13.16	12.93	12.83	12.81	13.10	14.00
	CP-OFDM 64QAM	1	1	12.94	12.67	12.83	12.84	13.00	14.00
	CP-OFDM 256QAM	1	1	12.56	12.65	12.79	12.80	12.64	14.00

N41-ANT4 Level4(Only for ENDC)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	16.72	17.15	17.36	17.25	17.16	18.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	17.43	17.54	17.69	17.72	17.87	18.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	17.90	17.48	17.92	17.51	17.80	18.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	16.66	17.58	17.23	17.20	17.55	18.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	17.05	17.36	17.25	17.33	17.35	18.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	16.83	17.25	17.18	17.10	17.53	18.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	17.09	17.06	17.13	16.91	17.25	18.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	17.06	17.35	17.45	17.25	17.42	18.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	17.08	17.25	17.03	17.13	17.33	18.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	17.73	17.44	17.05	17.24	17.07	18.50
		1	137	18.20	18.13	17.88	18.20	18.01	18.50
		1	271	17.52	17.43	17.48	17.80	17.76	18.50
	DFT-s-OFDM BPSK	135	0	17.74	17.63	17.81	17.56	17.62	18.50
		135	69	17.85	17.94	17.96	17.82	18.32	18.50
		135	138	17.66	17.98	17.96	18.12	18.10	18.50
	DFT-s-OFDM BPSK	270	0	18.05	17.57	17.93	17.82	17.91	18.50
	DFT-s-OFDM QPSK	1	1	17.11	17.37	17.35	17.35	17.28	18.50
		1	137	17.90	17.95	17.86	17.93	17.96	18.50
		1	271	17.45	17.48	17.13	17.23	17.41	18.50
	DFT-s-OFDM QPSK	135	0	17.61	17.59	17.72	17.70	17.61	18.50
		135	69	17.97	18.28	18.13	18.02	18.08	18.50
		135	138	17.86	17.84	18.05	17.64	18.22	18.50
	DFT-s-OFDM QPSK	270	0	17.92	17.85	17.91	17.95	17.70	18.50
	DFT-s-OFDM 16QAM	1	1	17.07	17.03	16.90	16.89	16.63	18.50
	DFT-s-OFDM 64QAM	1	1	17.16	17.17	16.94	16.86	16.85	18.50
	DFT-s-OFDM 256QAM	1	1	17.49	17.71	17.63	17.96	17.77	18.50
	CP-OFDM QPSK	1	1	17.11	17.48	17.34	17.58	17.39	18.50
	CP-OFDM 16QAM	1	1	17.49	17.44	17.38	17.63	17.44	18.50
	CP-OFDM 64QAM	1	1	17.44	17.32	17.35	17.05	17.41	18.50
	CP-OFDM 256QAM	1	1	17.36	16.86	17.04	17.12	17.15	18.00

N41-ANT4 Full power(Only for ENDC)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	25.30	24.67	24.85	24.86	25.15	26.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	25.24	25.13	25.45	25.61	25.12	26.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	25.15	25.28	25.20	25.31	25.34	26.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	25.26	24.59	24.78	24.89	25.14	26.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	25.34	24.82	24.81	25.05	24.92	26.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	25.22	24.72	24.82	24.92	25.18	26.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	24.95	24.96	24.77	25.01	25.02	26.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	25.13	24.81	24.92	24.80	24.96	26.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	25.10	24.59	24.92	24.97	24.82	26.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	25.28	25.18	24.96	25.08	25.14	26.50
		1	137	26.12	26.12	26.13	26.11	26.10	26.50
		1	271	25.12	25.08	25.17	25.25	25.45	26.50
	DFT-s-OFDM BPSK	135	0	25.03	24.99	25.18	25.18	25.38	26.50
		135	69	26.09	26.02	26.09	26.00	26.05	26.50
		135	138	25.19	25.52	25.39	25.35	25.41	26.50
	DFT-s-OFDM BPSK	270	0	25.25	25.10	25.30	25.23	25.47	26.00
	DFT-s-OFDM QPSK	1	1	25.14	24.76	24.94	24.85	24.99	26.50
		1	137	26.14	25.91	26.08	26.14	26.01	26.50
		1	271	25.21	25.03	25.12	25.28	25.31	26.50
	DFT-s-OFDM QPSK	135	0	25.30	25.26	25.27	25.44	25.21	26.50
		135	69	26.16	26.20	26.17	26.04	26.16	26.50
		135	138	25.41	25.59	25.45	25.49	25.53	26.50
	DFT-s-OFDM QPSK	270	0	25.44	25.48	25.33	25.40	25.22	26.00
	DFT-s-OFDM 16QAM	1	1	23.64	23.93	23.73	23.74	23.58	25.50
	DFT-s-OFDM 64QAM	1	1	22.89	22.79	22.74	22.75	22.80	24.00
	DFT-s-OFDM 256QAM	1	1	21.47	21.47	21.29	21.19	21.34	22.00
	CP-OFDM QPSK	1	1	23.98	23.83	23.95	24.00	23.87	25.00
	CP-OFDM 16QAM	1	1	23.57	23.75	23.63	23.74	23.56	24.50
	CP-OFDM 64QAM	1	1	21.99	21.84	21.99	21.81	22.19	23.00
	CP-OFDM 256QAM	1	1	18.68	18.46	18.65	18.69	18.51	20.00

N41-ANT4 Level1(Only for ENDC)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	15.56	15.89	15.74	15.88	15.64	17.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	16.22	15.95	16.14	15.89	16.26	17.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	16.24	16.17	16.23	15.82	16.20	17.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	15.57	15.89	15.56	15.91	15.90	17.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	15.61	15.75	15.75	15.88	15.96	17.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	15.28	15.77	15.70	15.81	15.79	17.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	15.57	15.63	15.69	15.82	15.61	17.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	15.47	15.70	15.64	15.68	15.96	17.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	15.36	15.59	15.39	15.62	15.67	17.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	16.12	15.97	15.66	15.78	15.62	17.00
		1	137	16.47	16.41	16.31	16.54	16.41	17.00
		1	271	15.85	15.88	15.79	16.11	16.02	17.00
	DFT-s-OFDM BPSK	135	0	15.83	16.14	16.03	16.01	16.08	17.00
		135	69	16.27	16.27	16.36	16.45	16.55	17.00
		135	138	16.23	16.30	16.27	16.32	16.19	17.00
	DFT-s-OFDM BPSK	270	0	16.12	16.34	16.16	16.03	15.98	17.00
	DFT-s-OFDM QPSK	1	1	15.44	15.77	15.58	15.73	15.78	17.00
		1	137	16.06	16.18	16.26	16.24	16.12	17.00
		1	271	15.75	15.66	15.76	15.77	15.71	17.00
	DFT-s-OFDM QPSK	135	0	16.06	16.12	16.04	15.88	16.09	17.00
		135	69	16.12	16.10	16.29	16.48	16.23	17.00
		135	138	16.23	16.24	16.27	16.38	16.42	17.00
	DFT-s-OFDM QPSK	270	0	16.26	16.23	16.17	16.35	16.27	17.00
	DFT-s-OFDM 16QAM	1	1	15.16	15.49	15.33	15.14	15.27	17.00
	DFT-s-OFDM 64QAM	1	1	15.56	15.43	15.38	15.52	15.57	17.00
	DFT-s-OFDM 256QAM	1	1	15.76	16.13	15.94	15.83	15.95	17.00
	CP-OFDM QPSK	1	1	15.65	15.55	15.65	15.51	15.82	17.00
	CP-OFDM 16QAM	1	1	15.69	15.75	15.81	15.64	15.88	17.00
	CP-OFDM 64QAM	1	1	15.67	15.58	15.66	15.59	15.80	17.00
	CP-OFDM 256QAM	1	1	15.42	15.41	15.41	15.56	15.54	17.00

N41-ANT4 Level2(Only for ENDC)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	22.12	22.19	21.95	22.18	22.05	23.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	22.56	22.29	22.41	22.56	22.72	23.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	22.57	22.43	22.70	22.42	22.53	23.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	21.92	22.13	22.06	22.16	21.85	23.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	22.10	22.41	22.05	22.13	22.04	23.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	21.99	22.34	21.99	22.17	22.03	23.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	22.01	22.02	21.88	22.15	22.07	23.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	21.99	22.20	22.16	22.29	21.75	23.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	22.20	22.39	22.04	22.31	22.09	23.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	22.89	22.70	22.37	22.52	22.39	23.50
		1	137	23.34	23.28	23.08	23.31	23.16	23.50
		1	271	22.54	22.64	22.48	22.74	22.92	23.50
	DFT-s-OFDM BPSK	135	0	22.82	23.03	22.88	22.93	22.86	23.50
		135	69	23.35	22.98	23.18	23.01	23.26	23.50
		135	138	22.97	23.23	23.10	23.09	23.15	23.50
	DFT-s-OFDM BPSK	270	0	22.84	22.53	22.70	22.55	22.52	23.50
	DFT-s-OFDM QPSK	1	1	22.01	22.21	22.04	22.22	21.94	23.50
		1	137	22.63	22.54	22.73	22.55	22.58	23.50
		1	271	22.14	22.12	22.15	22.25	22.16	23.50
	DFT-s-OFDM QPSK	135	0	22.50	22.43	22.56	22.56	22.54	23.50
		135	69	22.67	23.01	22.82	22.83	22.72	23.50
		135	138	22.75	22.89	22.75	22.80	22.61	23.50
	DFT-s-OFDM QPSK	270	0	22.73	22.47	22.65	22.65	22.71	23.50
	DFT-s-OFDM 16QAM	1	1	22.17	21.96	21.98	22.00	22.17	23.50
	DFT-s-OFDM 64QAM	1	1	21.85	21.82	21.79	21.84	21.77	23.50
	DFT-s-OFDM 256QAM	1	1	21.49	21.32	21.52	21.32	21.32	22.00
	CP-OFDM QPSK	1	1	22.07	21.93	22.11	21.98	22.24	23.50
	CP-OFDM 16QAM	1	1	22.44	22.23	22.32	22.35	22.21	23.50
	CP-OFDM 64QAM	1	1	22.25	21.99	22.14	21.97	22.14	23.00
	CP-OFDM 256QAM	1	1	19.08	19.03	18.88	19.00	19.06	20.00

N41-ANT4 Level3(Only for ENDC)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	14.60	14.87	14.70	14.89	14.73	16.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	15.28	14.96	15.19	14.81	15.20	16.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	15.20	15.19	15.25	14.77	15.13	16.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	14.55	14.91	14.50	14.94	14.98	16.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	14.56	14.78	14.70	14.87	15.04	16.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	14.31	14.70	14.73	14.74	14.74	16.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	14.50	14.70	14.62	14.73	14.58	16.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	14.51	14.66	14.61	14.71	14.97	16.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	14.40	14.68	14.30	14.71	14.73	16.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	15.04	15.05	14.58	14.84	14.63	16.00
		1	137	15.54	15.34	15.27	15.56	15.50	16.00
		1	271	14.77	14.92	14.81	15.18	14.96	16.00
	DFT-s-OFDM BPSK	135	0	14.75	15.20	14.95	14.93	15.02	16.00
		135	69	15.20	15.19	15.29	15.50	15.63	16.00
		135	138	15.31	15.22	15.22	15.31	15.24	16.00
	DFT-s-OFDM BPSK	270	0	15.06	15.35	15.24	15.00	15.06	16.00
	DFT-s-OFDM QPSK	1	1	14.41	14.84	14.54	14.80	14.84	16.00
		1	137	15.15	15.09	15.19	15.25	15.21	16.00
		1	271	14.79	14.70	14.67	14.85	14.74	16.00
	DFT-s-OFDM QPSK	135	0	15.10	15.08	15.06	14.92	15.10	16.00
		135	69	15.16	15.12	15.20	15.57	15.26	16.00
		135	138	15.24	15.16	15.28	15.46	15.45	16.00
	DFT-s-OFDM QPSK	270	0	15.32	15.28	15.14	15.32	15.23	16.00
	DFT-s-OFDM 16QAM	1	1	14.08	14.57	14.38	14.07	14.36	16.00
	DFT-s-OFDM 64QAM	1	1	14.52	14.44	14.36	14.61	14.56	16.00
	DFT-s-OFDM 256QAM	1	1	14.85	15.08	14.98	14.91	14.94	16.00
	CP-OFDM QPSK	1	1	14.66	14.60	14.68	14.60	14.75	16.00
	CP-OFDM 16QAM	1	1	14.77	14.82	14.74	14.55	14.86	16.00
	CP-OFDM 64QAM	1	1	14.76	14.49	14.66	14.67	14.71	16.00
	CP-OFDM 256QAM	1	1	14.50	14.38	14.43	14.53	14.49	16.00

N41-ANT4 Level4(Only for ENDC)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	18.64	19.07	19.15	19.14	18.90	20.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	19.31	19.44	19.46	19.65	19.71	20.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	19.52	19.41	19.64	19.44	19.45	20.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	18.62	19.21	18.93	18.87	19.18	20.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	18.82	19.10	19.04	18.94	19.12	20.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	18.64	19.09	18.80	18.93	19.20	20.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	18.84	18.92	18.91	18.87	19.05	20.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	18.71	19.04	19.16	18.94	19.07	20.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	18.70	19.14	18.78	19.05	19.19	20.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	19.70	19.60	19.26	19.42	19.28	20.50
		1	137	20.26	20.21	20.04	20.36	20.08	20.50
		1	271	19.46	19.52	19.42	19.70	19.74	20.50
	DFT-s-OFDM BPSK	135	0	19.82	19.89	19.85	19.80	19.67	20.50
		135	69	19.90	19.94	20.08	19.98	20.23	20.50
		135	138	19.83	20.20	20.02	20.06	20.18	20.50
	DFT-s-OFDM BPSK	270	0	19.66	19.42	19.62	19.59	19.73	20.50
	DFT-s-OFDM QPSK	1	1	18.81	19.09	18.96	18.95	19.00	20.50
		1	137	19.79	19.72	19.69	19.77	19.70	20.50
		1	271	19.26	19.14	19.09	18.94	19.17	20.50
	DFT-s-OFDM QPSK	135	0	19.47	19.34	19.51	19.61	19.55	20.50
		135	69	19.84	19.88	19.79	19.77	19.84	20.50
		135	138	19.75	19.55	19.71	19.53	19.86	20.50
	DFT-s-OFDM QPSK	270	0	19.73	19.62	19.59	19.57	19.54	20.50
	DFT-s-OFDM 16QAM	1	1	18.95	18.95	18.75	18.56	18.57	20.50
	DFT-s-OFDM 64QAM	1	1	18.86	18.85	18.78	18.66	18.78	20.50
	DFT-s-OFDM 256QAM	1	1	19.42	19.56	19.40	19.57	19.40	20.50
	CP-OFDM QPSK	1	1	18.87	19.21	19.06	19.26	19.01	20.50
	CP-OFDM 16QAM	1	1	19.19	19.30	19.29	19.41	19.34	20.50
	CP-OFDM 64QAM	1	1	19.12	19.23	19.11	18.91	19.19	20.50
	CP-OFDM 256QAM	1	1	19.05	18.76	18.86	19.06	18.84	20.00

N41-ANT4 Full power(Only for SA)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	22.10	22.32	22.20	22.18	22.31	24.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	22.90	23.19	22.79	22.69	23.12	24.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	22.76	23.28	22.69	22.67	22.52	24.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	22.09	22.37	22.13	22.31	22.11	24.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	22.18	22.35	22.09	22.05	22.03	24.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	22.34	22.54	22.08	22.10	22.00	24.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	22.08	22.38	22.20	22.22	22.10	24.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	22.07	22.21	22.12	22.21	22.32	24.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	22.18	22.04	22.35	22.14	22.21	24.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	22.61	22.50	22.50	22.24	22.48	24.00
		1	137	22.70	22.92	23.53	23.34	23.43	24.00
		1	271	22.70	23.11	23.19	22.90	23.05	24.00
	DFT-s-OFDM BPSK	135	0	22.91	22.83	22.80	22.92	22.82	24.00
		135	69	23.25	23.62	23.32	23.39	23.52	24.00
		135	138	23.63	23.72	23.66	23.79	23.76	24.00
	DFT-s-OFDM BPSK	270	0	23.18	23.09	23.15	23.59	23.44	24.00
	DFT-s-OFDM QPSK	1	1	22.21	22.04	22.14	22.06	22.07	24.00
		1	137	23.22	23.22	23.24	23.00	22.93	24.00
		1	271	23.24	23.07	23.28	23.10	22.98	24.00
	DFT-s-OFDM QPSK	135	0	22.65	22.97	23.04	22.65	22.86	24.00
		135	69	23.16	23.02	23.08	23.31	23.23	24.00
		135	138	23.52	23.48	23.68	23.57	23.23	24.00
	DFT-s-OFDM QPSK	270	0	23.18	23.21	23.25	23.17	23.24	24.00
	DFT-s-OFDM 16QAM	1	1	22.24	21.82	21.86	21.70	21.96	22.50
	DFT-s-OFDM 64QAM	1	1	20.76	20.77	20.77	20.52	20.54	22.00
	DFT-s-OFDM 256QAM	1	1	19.93	19.74	19.68	20.02	19.79	20.50
	CP-OFDM QPSK	1	1	22.18	22.17	22.20	21.90	22.02	22.50
	CP-OFDM 16QAM	1	1	21.90	21.34	21.54	21.54	21.90	22.00
	CP-OFDM 64QAM	1	1	19.80	19.81	19.88	20.06	19.75	20.50
	CP-OFDM 256QAM	1	1	17.38	17.24	17.26	17.45	17.08	17.50

N41-ANT4 Level1&2&3&4(Only for SA)(PC3)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	22.10	22.32	22.20	22.18	22.31	24.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	22.90	23.19	22.79	22.69	23.12	24.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	22.76	23.28	22.69	22.67	22.52	24.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	22.09	22.37	22.13	22.31	22.11	24.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	22.18	22.35	22.09	22.05	22.03	24.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	22.34	22.54	22.08	22.10	22.00	24.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	22.08	22.38	22.20	22.22	22.10	24.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	22.07	22.21	22.12	22.21	22.32	24.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	22.18	22.04	22.35	22.14	22.21	24.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	22.61	22.50	22.50	22.24	22.48	24.00
		1	137	22.70	22.92	23.53	23.34	23.43	24.00
		1	271	22.70	23.11	23.19	22.90	23.05	24.00
	DFT-s-OFDM BPSK	135	0	22.91	22.83	22.80	22.92	22.82	24.00
		135	69	23.25	23.62	23.32	23.39	23.52	24.00
		135	138	23.63	23.72	23.66	23.79	23.76	24.00
	DFT-s-OFDM BPSK	270	0	23.18	23.09	23.15	23.59	23.44	24.00
	DFT-s-OFDM QPSK	1	1	22.21	22.04	22.14	22.06	22.07	24.00
		1	137	23.22	23.22	23.24	23.00	22.93	24.00
		1	271	23.24	23.07	23.28	23.10	22.98	24.00
	DFT-s-OFDM QPSK	135	0	22.65	22.97	23.04	22.65	22.86	24.00
		135	69	23.16	23.02	23.08	23.31	23.23	24.00
		135	138	23.52	23.48	23.68	23.57	23.23	24.00
	DFT-s-OFDM QPSK	270	0	23.18	23.21	23.25	23.17	23.24	24.00
	DFT-s-OFDM 16QAM	1	1	22.24	21.82	21.86	21.70	21.96	22.50
	DFT-s-OFDM 64QAM	1	1	20.76	20.77	20.77	20.52	20.54	22.00
	DFT-s-OFDM 256QAM	1	1	19.93	19.74	19.68	20.02	19.79	20.50
	CP-OFDM QPSK	1	1	22.18	22.17	22.20	21.90	22.02	22.50
	CP-OFDM 16QAM	1	1	21.90	21.34	21.54	21.54	21.90	22.00
	CP-OFDM 64QAM	1	1	19.80	19.81	19.88	20.06	19.75	20.50
	CP-OFDM 256QAM	1	1	17.38	17.24	17.26	17.45	17.08	17.50

N41-ANT4 Full power(Only for SA)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	24.09	24.24	24.10	24.31	24.22	26.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	24.80	25.17	24.81	24.68	25.05	26.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	24.96	25.32	24.82	24.67	24.77	26.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	24.09	24.34	24.08	24.30	24.37	26.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	24.14	24.45	24.07	24.18	24.00	26.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	24.41	24.47	24.14	24.15	24.25	26.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	24.04	24.28	24.19	24.32	24.01	26.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	24.17	24.17	24.04	24.23	24.35	26.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	24.22	24.10	24.25	24.36	24.18	26.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	24.75	24.70	24.56	24.34	24.71	26.00
		1	137	24.69	25.11	25.55	25.51	25.51	26.00
		1	271	24.62	25.16	25.42	24.82	25.29	26.00
	DFT-s-OFDM BPSK	135	0	25.12	24.92	25.04	25.14	24.96	26.00
		135	69	25.46	25.69	25.56	25.39	25.51	26.00
		135	138	25.62	25.78	25.81	25.72	25.79	26.00
	DFT-s-OFDM BPSK	270	0	25.28	25.16	25.35	25.49	25.47	25.50
	DFT-s-OFDM QPSK	1	1	24.22	24.30	24.14	24.21	24.18	26.00
		1	137	25.41	25.27	25.24	25.07	25.19	26.00
		1	271	25.21	25.26	25.23	25.11	25.17	26.00
	DFT-s-OFDM QPSK	135	0	24.80	25.14	24.99	24.84	24.94	26.00
		135	69	25.31	25.18	25.33	25.29	25.22	26.00
		135	138	25.73	25.47	25.62	25.74	25.42	26.00
	DFT-s-OFDM QPSK	270	0	25.40	25.26	25.40	25.23	25.22	25.50
	DFT-s-OFDM 16QAM	1	1	24.17	23.98	23.99	23.89	23.95	25.00
	DFT-s-OFDM 64QAM	1	1	22.70	22.72	22.87	22.78	22.73	23.50
	DFT-s-OFDM 256QAM	1	1	22.00	21.97	21.85	21.99	21.87	22.00
	CP-OFDM QPSK	1	1	24.29	24.09	24.13	24.13	24.09	24.50
	CP-OFDM 16QAM	1	1	23.80	23.58	23.74	23.72	23.92	24.00
	CP-OFDM 64QAM	1	1	21.98	21.97	22.06	22.09	21.98	22.50
	CP-OFDM 256QAM	1	1	19.41	19.29	19.26	19.43	19.28	19.50

N41-ANT4 Level1&2&3&4(Only for SA)(PC2)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527799	537000	Tune-up power(dB
		RB Size	RB offest	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM QPSK	1	1	24.09	24.24	24.10	24.31	24.22	26.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527547	536496	Tune-up power(dB
		RB Size	RB offest	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM QPSK	1	1	24.80	25.17	24.81	24.68	25.05	26.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB
		RB Size	RB offest	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	24.96	25.32	24.82	24.67	24.77	26.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB
		RB Size	RB offest	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	24.09	24.34	24.08	24.30	24.37	26.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM QPSK	1	1	24.14	24.45	24.07	24.18	24.00	26.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	24.41	24.47	24.14	24.15	24.25	26.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	24.04	24.28	24.19	24.32	24.01	26.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	24.17	24.17	24.04	24.23	24.35	26.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	24.22	24.10	24.25	24.36	24.18	26.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	24.75	24.70	24.56	24.34	24.71	26.00
		1	137	24.69	25.11	25.55	25.51	25.51	26.00
		1	271	24.62	25.16	25.42	24.82	25.29	26.00
	DFT-s-OFDM BPSK	135	0	25.12	24.92	25.04	25.14	24.96	26.00
		135	69	25.46	25.69	25.56	25.39	25.51	26.00
		135	138	25.62	25.78	25.81	25.72	25.79	26.00
	DFT-s-OFDM BPSK	270	0	25.28	25.16	25.35	25.49	25.47	25.50
	DFT-s-OFDM QPSK	1	1	24.22	24.30	24.14	24.21	24.18	26.00
		1	137	25.41	25.27	25.24	25.07	25.19	26.00
		1	271	25.21	25.26	25.23	25.11	25.17	26.00
	DFT-s-OFDM QPSK	135	0	24.80	25.14	24.99	24.84	24.94	26.00
		135	69	25.31	25.18	25.33	25.29	25.22	26.00
		135	138	25.73	25.47	25.62	25.74	25.42	26.00
	DFT-s-OFDM QPSK	270	0	25.40	25.26	25.40	25.23	25.22	25.50
	DFT-s-OFDM 16QAM	1	1	24.17	23.98	23.99	23.89	23.95	25.00
	DFT-s-OFDM 64QAM	1	1	22.70	22.72	22.87	22.78	22.73	23.50
	DFT-s-OFDM 256QAM	1	1	22.00	21.97	21.85	21.99	21.87	22.00
	CP-OFDM QPSK	1	1	24.29	24.09	24.13	24.13	24.09	24.50
	CP-OFDM 16QAM	1	1	23.80	23.58	23.74	23.72	23.92	24.00
	CP-OFDM 64QAM	1	1	21.98	21.97	22.06	22.09	21.98	22.50
	CP-OFDM 256QAM	1	1	19.41	19.29	19.26	19.43	19.28	19.50

N66-ANT4 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB
		RB Size	RB offest	342500	349000	355500	
5	DFT-s-OFDM QPSK	1	1	19.33	19.34	19.46	20.50
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB
		RB Size	RB offest	343000	349000	355000	
10	DFT-s-OFDM QPSK	1	1	19.56	19.56	19.32	20.50
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB
		RB Size	RB offest	343500	349000	354500	
15	DFT-s-OFDM QPSK	1	1	19.22	19.23	19.09	20.50
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB
		RB Size	RB offest	344000	349000	354000	
20	DFT-s-OFDM QPSK	1	1	19.29	19.59	19.13	20.50
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB
		RB Size	RB offest	344500	349000	353500	
25	DFT-s-OFDM QPSK	1	1	19.31	19.29	19.11	20.50
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB
		RB Size	RB offest	345000	349000	353000	
30	DFT-s-OFDM QPSK	1	1	19.49	19.51	19.42	20.50
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB
		RB Size	RB offest	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	19.70	19.42	19.41	20.50
		1	108	19.87	19.92	19.62	20.50
		1	214	19.32	19.05	18.92	20.50
	DFT-s-OFDM BPSK	108	0	19.67	19.49	19.48	20.50
		108	54	19.94	19.98	19.75	20.50
		108	108	19.21	19.02	19.12	20.50
	DFT-s-OFDM BPSK	216	0	19.23	19.23	19.41	19.50
	DFT-s-OFDM QPSK	1	1	19.39	19.41	19.28	20.50
		1	108	19.85	19.98	19.85	20.50
		1	214	19.19	18.99	19.05	20.50
	DFT-s-OFDM QPSK	108	0	18.93	19.01	19.12	20.50
		108	54	19.85	19.96	19.94	20.50
		108	108	18.95	18.98	18.86	20.50
	DFT-s-OFDM QPSK	216	0	19.68	19.77	19.78	20.00
	DFT-s-OFDM 16QAM	1	1	18.31	18.18	18.15	19.50
	DFT-s-OFDM 64QAM	1	1	16.59	16.71	16.84	18.00
	DFT-s-OFDM 256QAM	1	1	15.64	15.50	15.41	16.00
	CP-OFDM QPSK	1	1	17.90	18.02	17.89	19.00
	CP-OFDM 16QAM	1	1	17.58	17.77	17.73	18.50
	CP-OFDM 64QAM	1	1	16.12	16.22	16.26	17.00
	CP-OFDM 256QAM	1	1	12.70	12.89	12.88	14.00

N66-ANT4 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB
		RB Size	RB offest	342500	349000	355500	
5	DFT-s-OFDM QPSK	1	1	17.90	17.85	17.98	19.00
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB
		RB Size	RB offest	343000	349000	355000	
10	DFT-s-OFDM QPSK	1	1	18.15	18.19	17.88	19.00
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB
		RB Size	RB offest	343500	349000	354500	
15	DFT-s-OFDM QPSK	1	1	17.73	17.78	17.67	19.00
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB
		RB Size	RB offest	344000	349000	354000	
20	DFT-s-OFDM QPSK	1	1	17.74	18.25	17.61	19.00
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB
		RB Size	RB offest	344500	349000	353500	
25	DFT-s-OFDM QPSK	1	1	17.85	17.76	17.71	19.00
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB
		RB Size	RB offest	345000	349000	353000	
30	DFT-s-OFDM QPSK	1	1	18.05	17.96	17.94	19.00
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB
		RB Size	RB offest	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	18.20	17.97	17.95	19.00
		1	108	18.33	18.38	18.09	19.00
		1	214	17.94	17.65	17.57	19.00
	DFT-s-OFDM BPSK	108	0	18.13	18.03	18.08	19.00
		108	54	18.58	18.51	18.27	19.00
		108	108	17.86	17.67	17.65	19.00
	DFT-s-OFDM BPSK	216	0	17.74	17.84	17.87	19.00
	DFT-s-OFDM QPSK	1	1	17.89	18.02	17.93	19.00
		1	108	18.48	18.48	18.45	19.00
		1	214	17.82	17.62	17.54	19.00
	DFT-s-OFDM QPSK	108	0	17.69	17.62	17.61	19.00
		108	54	18.49	18.47	18.48	19.00
		108	108	17.59	17.75	17.72	19.00
	DFT-s-OFDM QPSK	216	0	18.32	18.42	18.37	19.00
	DFT-s-OFDM 16QAM	1	1	17.87	17.80	17.74	19.00
	DFT-s-OFDM 64QAM	1	1	16.67	16.82	16.99	18.00
	DFT-s-OFDM 256QAM	1	1	15.75	15.65	15.48	16.00
	CP-OFDM QPSK	1	1	18.01	18.01	17.84	19.00
	CP-OFDM 16QAM	1	1	17.68	17.89	17.75	18.50
	CP-OFDM 64QAM	1	1	16.14	16.35	16.30	17.00
	CP-OFDM 256QAM	1	1	12.66	12.92	12.84	14.00

N66-ANT4 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB
		RB Size	RB offest	342500	349000	355500	
5	DFT-s-OFDM QPSK	1	1	19.33	19.34	19.46	20.50
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB
		RB Size	RB offest	343000	349000	355000	
10	DFT-s-OFDM QPSK	1	1	19.56	19.56	19.32	20.50
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB
		RB Size	RB offest	343500	349000	354500	
15	DFT-s-OFDM QPSK	1	1	19.22	19.23	19.09	20.50
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB
		RB Size	RB offest	344000	349000	354000	
20	DFT-s-OFDM QPSK	1	1	19.29	19.59	19.13	20.50
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB
		RB Size	RB offest	344500	349000	353500	
25	DFT-s-OFDM QPSK	1	1	19.31	19.29	19.11	20.50
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB
		RB Size	RB offest	345000	349000	353000	
30	DFT-s-OFDM QPSK	1	1	19.49	19.51	19.42	20.50
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB
		RB Size	RB offest	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	19.70	19.42	19.41	20.50
		1	108	19.87	19.92	19.62	20.50
		1	214	19.32	19.05	18.92	20.50
	DFT-s-OFDM BPSK	108	0	19.67	19.49	19.48	20.50
		108	54	19.94	19.98	19.75	20.50
		108	108	19.21	19.02	19.12	20.50
	DFT-s-OFDM BPSK	216	0	19.23	19.23	19.41	19.50
	DFT-s-OFDM QPSK	1	1	19.39	19.41	19.28	20.50
		1	108	19.85	19.98	19.85	20.50
		1	214	19.19	18.99	19.05	20.50
	DFT-s-OFDM QPSK	108	0	18.93	19.01	19.12	20.50
		108	54	19.85	19.96	19.94	20.50
		108	108	18.95	18.98	18.86	20.50
	DFT-s-OFDM QPSK	216	0	19.68	19.77	19.78	20.00
	DFT-s-OFDM 16QAM	1	1	18.31	18.18	18.15	19.50
	DFT-s-OFDM 64QAM	1	1	16.59	16.71	16.84	18.00
	DFT-s-OFDM 256QAM	1	1	15.64	15.50	15.41	16.00
	CP-OFDM QPSK	1	1	17.90	18.02	17.89	19.00
	CP-OFDM 16QAM	1	1	17.58	17.77	17.73	18.50
	CP-OFDM 64QAM	1	1	16.12	16.22	16.26	17.00
	CP-OFDM 256QAM	1	1	12.70	12.89	12.88	14.00

N66-ANT4 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB
		RB Size	RB offest	342500	349000	355500	
5	DFT-s-OFDM QPSK	1	1	16.82	16.98	17.03	18.00
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB
		RB Size	RB offest	343000	349000	355000	
10	DFT-s-OFDM QPSK	1	1	17.17	17.04	16.98	18.00
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB
		RB Size	RB offest	343500	349000	354500	
15	DFT-s-OFDM QPSK	1	1	16.75	16.86	16.58	18.00
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB
		RB Size	RB offest	344000	349000	354000	
20	DFT-s-OFDM QPSK	1	1	16.91	17.19	16.64	18.00
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB
		RB Size	RB offest	344500	349000	353500	
25	DFT-s-OFDM QPSK	1	1	16.77	16.78	16.75	18.00
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB
		RB Size	RB offest	345000	349000	353000	
30	DFT-s-OFDM QPSK	1	1	16.96	17.13	17.04	18.00
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB
		RB Size	RB offest	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	17.16	17.05	16.91	18.00
		1	108	17.51	17.50	17.22	18.00
		1	214	16.81	16.58	16.55	18.00
	DFT-s-OFDM BPSK	108	0	17.29	17.05	16.99	18.00
		108	54	17.57	17.55	17.40	18.00
		108	108	16.87	16.63	16.59	18.00
	DFT-s-OFDM BPSK	216	0	16.73	16.87	16.92	18.00
	DFT-s-OFDM QPSK	1	1	16.99	16.98	16.92	18.00
		1	108	17.31	17.56	17.42	18.00
		1	214	16.74	16.45	16.51	18.00
	DFT-s-OFDM QPSK	108	0	16.56	16.59	16.61	18.00
		108	54	17.33	17.41	17.60	18.00
		108	108	16.47	16.56	16.39	18.00
	DFT-s-OFDM QPSK	216	0	17.21	17.24	17.24	18.00
	DFT-s-OFDM 16QAM	1	1	16.78	16.64	16.80	18.00
	DFT-s-OFDM 64QAM	1	1	16.69	16.76	16.92	18.00
	DFT-s-OFDM 256QAM	1	1	15.79	15.66	15.52	16.00
	CP-OFDM QPSK	1	1	17.52	17.47	17.41	18.00
	CP-OFDM 16QAM	1	1	17.23	17.34	17.35	18.00
	CP-OFDM 64QAM	1	1	16.16	16.32	16.28	17.00
	CP-OFDM 256QAM	1	1	12.72	12.89	12.87	14.00

N66-ANT4 Full power(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB
		RB Size	RB offest	342500	349000	355500	
5	DFT-s-OFDM QPSK	1	1	19.33	19.34	19.46	20.50
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB
		RB Size	RB offest	343000	349000	355000	
10	DFT-s-OFDM QPSK	1	1	19.56	19.56	19.32	20.50
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB
		RB Size	RB offest	343500	349000	354500	
15	DFT-s-OFDM QPSK	1	1	19.22	19.23	19.09	20.50
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB
		RB Size	RB offest	344000	349000	354000	
20	DFT-s-OFDM QPSK	1	1	19.29	19.59	19.13	20.50
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB
		RB Size	RB offest	344500	349000	353500	
25	DFT-s-OFDM QPSK	1	1	19.31	19.29	19.11	20.50
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB
		RB Size	RB offest	345000	349000	353000	
30	DFT-s-OFDM QPSK	1	1	19.49	19.51	19.42	20.50
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB
		RB Size	RB offest	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	19.70	19.42	19.41	20.50
		1	108	19.87	19.92	19.62	20.50
		1	214	19.32	19.05	18.92	20.50
	DFT-s-OFDM BPSK	108	0	19.67	19.49	19.48	20.50
		108	54	19.94	19.98	19.75	20.50
		108	108	19.21	19.02	19.12	20.50
	DFT-s-OFDM BPSK	216	0	19.23	19.23	19.41	19.50
	DFT-s-OFDM QPSK	1	1	19.39	19.41	19.28	20.50
		1	108	19.85	19.98	19.85	20.50
		1	214	19.19	18.99	19.05	20.50
	DFT-s-OFDM QPSK	108	0	18.93	19.01	19.12	20.50
		108	54	19.85	19.96	19.94	20.50
		108	108	18.95	18.98	18.86	20.50
	DFT-s-OFDM QPSK	216	0	19.68	19.77	19.78	20.00
	DFT-s-OFDM 16QAM	1	1	18.31	18.18	18.15	19.50
	DFT-s-OFDM 64QAM	1	1	16.59	16.71	16.84	18.00
	DFT-s-OFDM 256QAM	1	1	15.64	15.50	15.41	16.00
	CP-OFDM QPSK	1	1	17.90	18.02	17.89	19.00
	CP-OFDM 16QAM	1	1	17.58	17.77	17.73	18.50
	CP-OFDM 64QAM	1	1	16.12	16.22	16.26	17.00
	CP-OFDM 256QAM	1	1	12.70	12.89	12.88	14.00

N66-ANT4 Level1(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB
		RB Size	RB offest	342500	349000	355500	
5	DFT-s-OFDM QPSK	1	1	17.39	17.40	17.52	18.50
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB
		RB Size	RB offest	343000	349000	355000	
10	DFT-s-OFDM QPSK	1	1	17.69	17.66	17.43	18.50
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB
		RB Size	RB offest	343500	349000	354500	
15	DFT-s-OFDM QPSK	1	1	17.21	17.32	17.15	18.50
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB
		RB Size	RB offest	344000	349000	354000	
20	DFT-s-OFDM QPSK	1	1	17.22	17.77	17.12	18.50
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB
		RB Size	RB offest	344500	349000	353500	
25	DFT-s-OFDM QPSK	1	1	17.36	17.23	17.24	18.50
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB
		RB Size	RB offest	345000	349000	353000	
30	DFT-s-OFDM QPSK	1	1	17.55	17.41	17.44	18.50
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB
		RB Size	RB offest	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	17.73	17.50	17.43	18.50
		1	108	17.83	17.87	17.59	18.50
		1	214	17.45	17.17	17.08	18.50
	DFT-s-OFDM BPSK	108	0	17.69	17.57	17.57	18.50
		108	54	18.07	18.03	17.83	18.50
		108	108	17.38	17.18	17.11	18.50
	DFT-s-OFDM BPSK	216	0	17.21	17.31	17.40	18.50
	DFT-s-OFDM QPSK	1	1	17.34	17.54	17.40	18.50
		1	108	18.04	18.03	17.92	18.50
		1	214	17.30	17.08	17.03	18.50
	DFT-s-OFDM QPSK	108	0	17.18	17.11	17.10	18.50
		108	54	18.01	18.00	17.98	18.50
		108	108	17.07	17.24	17.23	18.50
	DFT-s-OFDM QPSK	216	0	17.79	17.95	17.89	18.50
	DFT-s-OFDM 16QAM	1	1	17.34	17.29	17.25	18.50
	DFT-s-OFDM 64QAM	1	1	16.70	16.83	17.11	18.00
	DFT-s-OFDM 256QAM	1	1	15.80	15.69	15.43	16.00
	CP-OFDM QPSK	1	1	17.53	17.57	17.30	18.50
	CP-OFDM 16QAM	1	1	17.13	17.41	17.20	18.50
	CP-OFDM 64QAM	1	1	16.22	16.32	16.39	17.00
	CP-OFDM 256QAM	1	1	12.65	12.97	12.82	14.00

N66-ANT4 Level2&4(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB
		RB Size	RB offest	342500	349000	355500	
5	DFT-s-OFDM QPSK	1	1	19.33	19.34	19.46	20.50
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB
		RB Size	RB offest	343000	349000	355000	
10	DFT-s-OFDM QPSK	1	1	19.56	19.56	19.32	20.50
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB
		RB Size	RB offest	343500	349000	354500	
15	DFT-s-OFDM QPSK	1	1	19.22	19.23	19.09	20.50
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB
		RB Size	RB offest	344000	349000	354000	
20	DFT-s-OFDM QPSK	1	1	19.29	19.59	19.13	20.50
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB
		RB Size	RB offest	344500	349000	353500	
25	DFT-s-OFDM QPSK	1	1	19.31	19.29	19.11	20.50
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB
		RB Size	RB offest	345000	349000	353000	
30	DFT-s-OFDM QPSK	1	1	19.49	19.51	19.42	20.50
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB
		RB Size	RB offest	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	19.70	19.42	19.41	20.50
		1	108	19.87	19.92	19.62	20.50
		1	214	19.32	19.05	18.92	20.50
	DFT-s-OFDM BPSK	108	0	19.67	19.49	19.48	20.50
		108	54	19.94	19.98	19.75	20.50
		108	108	19.21	19.02	19.12	20.50
	DFT-s-OFDM BPSK	216	0	19.23	19.23	19.41	19.50
	DFT-s-OFDM QPSK	1	1	19.39	19.41	19.28	20.50
		1	108	19.85	19.98	19.85	20.50
		1	214	19.19	18.99	19.05	20.50
	DFT-s-OFDM QPSK	108	0	18.93	19.01	19.12	20.50
		108	54	19.85	19.96	19.94	20.50
		108	108	18.95	18.98	18.86	20.50
	DFT-s-OFDM QPSK	216	0	19.68	19.77	19.78	20.00
	DFT-s-OFDM 16QAM	1	1	18.31	18.18	18.15	19.50
	DFT-s-OFDM 64QAM	1	1	16.59	16.71	16.84	18.00
	DFT-s-OFDM 256QAM	1	1	15.64	15.50	15.41	16.00
	CP-OFDM QPSK	1	1	17.90	18.02	17.89	19.00
	CP-OFDM 16QAM	1	1	17.58	17.77	17.73	18.50
	CP-OFDM 64QAM	1	1	16.12	16.22	16.26	17.00
	CP-OFDM 256QAM	1	1	12.70	12.89	12.88	14.00

N66-ANT4 Level3(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB
		RB Size	RB offest	342500	349000	355500	
5	DFT-s-OFDM QPSK	1	1	16.30	16.54	16.49	17.50
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB
		RB Size	RB offest	343000	349000	355000	
10	DFT-s-OFDM QPSK	1	1	16.72	16.58	16.50	17.50
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB
		RB Size	RB offest	343500	349000	354500	
15	DFT-s-OFDM QPSK	1	1	16.20	16.36	16.10	17.50
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB
		RB Size	RB offest	344000	349000	354000	
20	DFT-s-OFDM QPSK	1	1	16.36	16.64	16.17	17.50
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB
		RB Size	RB offest	344500	349000	353500	
25	DFT-s-OFDM QPSK	1	1	16.27	16.28	16.24	17.50
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB
		RB Size	RB offest	345000	349000	353000	
30	DFT-s-OFDM QPSK	1	1	16.50	16.61	16.51	17.50
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB
		RB Size	RB offest	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	16.72	16.61	16.46	17.50
		1	108	17.02	17.03	16.70	17.50
		1	214	16.37	16.12	16.10	17.50
	DFT-s-OFDM BPSK	108	0	16.85	16.54	16.52	17.50
		108	54	17.11	17.07	16.87	17.50
		108	108	16.37	16.09	16.11	17.50
	DFT-s-OFDM BPSK	216	0	16.19	16.41	16.37	17.50
	DFT-s-OFDM QPSK	1	1	16.53	16.46	16.44	17.50
		1	108	16.76	17.10	16.93	17.50
		1	214	16.28	15.93	15.99	17.50
	DFT-s-OFDM QPSK	108	0	16.05	16.06	16.06	17.50
		108	54	16.82	16.93	17.05	17.50
		108	108	15.96	16.08	15.86	17.50
	DFT-s-OFDM QPSK	216	0	16.66	16.76	16.79	17.50
	DFT-s-OFDM 16QAM	1	1	16.28	16.10	16.36	17.50
	DFT-s-OFDM 64QAM	1	1	16.68	16.73	16.95	17.50
	DFT-s-OFDM 256QAM	1	1	15.95	15.64	15.61	16.00
	CP-OFDM QPSK	1	1	17.04	17.03	16.96	17.50
	CP-OFDM 16QAM	1	1	16.73	16.89	16.83	17.50
	CP-OFDM 64QAM	1	1	16.29	16.28	16.24	17.00
	CP-OFDM 256QAM	1	1	12.69	12.88	12.94	14.00

N66-ANT0 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB
		RB Size	RB offest	342500	349000	355500	
5	DFT-s-OFDM QPSK	1	1	22.14	22.22	22.20	23.00
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB
		RB Size	RB offest	343000	349000	355000	
10	DFT-s-OFDM QPSK	1	1	21.98	22.02	22.06	23.00
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB
		RB Size	RB offest	343500	349000	354500	
15	DFT-s-OFDM QPSK	1	1	21.97	22.02	22.04	23.00
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB
		RB Size	RB offest	344000	349000	354000	
20	DFT-s-OFDM QPSK	1	1	21.86	22.11	22.21	23.00
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB
		RB Size	RB offest	344500	349000	353500	
25	DFT-s-OFDM QPSK	1	1	21.86	21.87	22.33	23.00
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB
		RB Size	RB offest	345000	349000	353000	
30	DFT-s-OFDM QPSK	1	1	21.93	22.16	22.34	23.00
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB
		RB Size	RB offest	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	22.23	22.02	22.12	23.00
		1	108	22.63	22.83	22.59	23.00
		1	214	22.18	21.98	21.96	23.00
	DFT-s-OFDM BPSK	108	0	22.21	22.38	22.18	23.00
		108	54	22.62	22.81	22.78	23.00
		108	108	22.20	22.18	21.98	23.00
	DFT-s-OFDM BPSK	216	0	22.15	22.24	22.33	22.50
	DFT-s-OFDM QPSK	1	1	21.95	22.02	22.17	23.00
		1	108	22.92	22.84	22.95	23.00
		1	214	21.96	22.04	21.97	23.00
	DFT-s-OFDM QPSK	108	0	22.99	22.81	22.94	23.00
		108	54	22.90	22.82	23.00	23.00
		108	108	21.67	21.72	21.79	23.00
	DFT-s-OFDM QPSK	216	0	21.63	21.74	21.58	22.00
	DFT-s-OFDM 16QAM	1	1	20.88	20.87	20.77	22.00
	DFT-s-OFDM 64QAM	1	1	19.34	19.40	19.56	20.50
	DFT-s-OFDM 256QAM	1	1	17.92	18.05	18.20	18.50
	CP-OFDM QPSK	1	1	20.60	20.64	20.52	21.50
	CP-OFDM 16QAM	1	1	20.49	20.41	20.50	21.00
	CP-OFDM 64QAM	1	1	18.65	18.82	18.82	19.50
	CP-OFDM 256QAM	1	1	15.39	15.51	15.58	16.50

N66-ANT0 Level1&2&3&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB
		RB Size	RB offest	342500	349000	355500	
5	DFT-s-OFDM QPSK	1	1	22.14	22.22	22.20	23.00
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB
		RB Size	RB offest	343000	349000	355000	
10	DFT-s-OFDM QPSK	1	1	21.98	22.02	22.06	23.00
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB
		RB Size	RB offest	343500	349000	354500	
15	DFT-s-OFDM QPSK	1	1	21.97	22.02	22.04	23.00
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB
		RB Size	RB offest	344000	349000	354000	
20	DFT-s-OFDM QPSK	1	1	21.86	22.11	22.21	23.00
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB
		RB Size	RB offest	344500	349000	353500	
25	DFT-s-OFDM QPSK	1	1	21.86	21.87	22.33	23.00
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB
		RB Size	RB offest	345000	349000	353000	
30	DFT-s-OFDM QPSK	1	1	21.93	22.16	22.34	23.00
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB
		RB Size	RB offest	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	22.23	22.02	22.12	23.00
		1	108	22.63	22.83	22.59	23.00
		1	214	22.18	21.98	21.96	23.00
	DFT-s-OFDM BPSK	108	0	22.21	22.38	22.18	23.00
		108	54	22.62	22.81	22.78	23.00
		108	108	22.20	22.18	21.98	23.00
	DFT-s-OFDM BPSK	216	0	22.15	22.24	22.33	22.50
	DFT-s-OFDM QPSK	1	1	21.95	22.02	22.17	23.00
		1	108	22.92	22.84	22.95	23.00
		1	214	21.96	22.04	21.97	23.00
	DFT-s-OFDM QPSK	108	0	22.99	22.81	22.94	23.00
		108	54	22.90	22.82	23.00	23.00
		108	108	21.67	21.72	21.79	23.00
	DFT-s-OFDM QPSK	216	0	21.63	21.74	21.58	22.00
	DFT-s-OFDM 16QAM	1	1	20.88	20.87	20.77	22.00
	DFT-s-OFDM 64QAM	1	1	19.34	19.40	19.56	20.50
	DFT-s-OFDM 256QAM	1	1	17.92	18.05	18.20	18.50
	CP-OFDM QPSK	1	1	20.60	20.64	20.52	21.50
	CP-OFDM 16QAM	1	1	20.49	20.41	20.50	21.00
	CP-OFDM 64QAM	1	1	18.65	18.82	18.82	19.50
	CP-OFDM 256QAM	1	1	15.39	15.51	15.58	16.50

N77-ANT5 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	24.26	23.99	24.64	25.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	24.13	24.13	24.03	25.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.10	24.08	24.96	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.05	23.91	24.86	25.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	24.19	23.98	24.68	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.17	24.03	24.88	25.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	23.96	24.00	24.80	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	23.95	24.13	24.93	25.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.11	23.88	24.80	25.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	24.08	/	25.50
		1	137	/	24.92	/	25.50
		1	271	/	24.29	/	25.50
	DFT-s-OFDM BPSK	135	0	/	24.55	/	25.50
		135	69	/	24.50	/	25.50
		135	138	/	24.66	/	25.50
	DFT-s-OFDM BPSK	270	0	/	24.52	/	25.50
	DFT-s-OFDM QPSK	1	1	/	24.01	/	25.50
		1	137	/	24.45	/	25.50
		1	271	/	24.28	/	25.50
	DFT-s-OFDM QPSK	135	0	/	24.41	/	25.50
		135	69	/	24.40	/	25.50
		135	138	/	24.41	/	25.50
	DFT-s-OFDM QPSK	270	0	/	24.45	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.36	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.90	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.43	/	21.00
	CP-OFDM QPSK	1	1	/	23.12	/	24.00
	CP-OFDM 16QAM	1	1	/	22.84	/	23.50
	CP-OFDM 64QAM	1	1	/	21.17	/	22.00
	CP-OFDM 256QAM	1	1	/	17.83	/	19.00

N77-ANT5 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	16.62	17.12	17.42	18.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	16.60	16.95	17.02	18.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	16.57	16.77	17.47	18.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	16.60	16.93	17.43	18.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	16.61	16.78	17.49	18.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	16.52	16.85	17.34	18.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	16.85	17.03	17.50	18.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	16.55	16.80	17.47	18.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	16.73	17.01	17.48	18.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	16.95	/	18.50
		1	137	/	17.93	/	18.50
		1	271	/	17.07	/	18.50
	DFT-s-OFDM BPSK	135	0	/	17.70	/	18.50
		135	69	/	17.97	/	18.50
		135	138	/	17.79	/	18.50
	DFT-s-OFDM BPSK	270	0	/	17.69	/	18.50
	DFT-s-OFDM QPSK	1	1	/	16.93	/	18.50
		1	137	/	17.85	/	18.50
		1	271	/	17.12	/	18.50
	DFT-s-OFDM QPSK	135	0	/	17.79	/	18.50
		135	69	/	17.95	/	18.50
		135	138	/	17.79	/	18.50
	DFT-s-OFDM QPSK	270	0	/	17.74	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	16.71	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	16.74	/	18.50
	DFT-s-OFDM 256QAM	1	1	/	17.38	/	18.50
	CP-OFDM QPSK	1	1	/	16.95	/	18.50
	CP-OFDM 16QAM	1	1	/	17.18	/	18.50
	CP-OFDM 64QAM	1	1	/	17.04	/	18.50
	CP-OFDM 256QAM	1	1	/	16.71	/	18.50

N77-ANT5 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	24.26	23.99	24.64	25.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	24.13	24.13	24.03	25.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.10	24.08	24.96	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.05	23.91	24.86	25.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	24.19	23.98	24.68	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.17	24.03	24.88	25.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	23.96	24.00	24.80	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	23.95	24.13	24.93	25.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.11	23.88	24.80	25.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	24.08	/	25.50
		1	137	/	24.92	/	25.50
		1	271	/	24.29	/	25.50
	DFT-s-OFDM BPSK	135	0	/	24.55	/	25.50
		135	69	/	24.50	/	25.50
		135	138	/	24.66	/	25.50
	DFT-s-OFDM BPSK	270	0	/	24.52	/	25.50
	DFT-s-OFDM QPSK	1	1	/	24.01	/	25.50
		1	137	/	24.45	/	25.50
		1	271	/	24.28	/	25.50
	DFT-s-OFDM QPSK	135	0	/	24.41	/	25.50
		135	69	/	24.40	/	25.50
		135	138	/	24.41	/	25.50
	DFT-s-OFDM QPSK	270	0	/	24.45	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.36	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.90	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.43	/	21.00
	CP-OFDM QPSK	1	1	/	23.12	/	24.00
	CP-OFDM 16QAM	1	1	/	22.84	/	23.50
	CP-OFDM 64QAM	1	1	/	21.17	/	22.00
	CP-OFDM 256QAM	1	1	/	17.83	/	19.00

N77-ANT5 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	15.57	15.92	16.47	17.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	15.66	15.84	15.73	17.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	15.89	15.94	16.54	17.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	15.80	15.79	16.14	17.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	15.79	15.85	16.60	17.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	15.80	15.79	16.44	17.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	15.69	15.79	16.21	17.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	15.77	15.90	16.22	17.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	15.57	15.86	16.42	17.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	15.94	/	17.50
		1	137	/	16.99	/	17.50
		1	271	/	16.05	/	17.50
	DFT-s-OFDM BPSK	135	0	/	16.77	/	17.50
		135	69	/	16.82	/	17.50
		135	138	/	16.74	/	17.50
	DFT-s-OFDM BPSK	270	0	/	16.63	/	17.50
	DFT-s-OFDM QPSK	1	1	/	15.86	/	17.50
		1	137	/	16.81	/	17.50
		1	271	/	15.94	/	17.50
	DFT-s-OFDM QPSK	135	0	/	16.61	/	17.50
		135	69	/	16.85	/	17.50
		135	138	/	16.76	/	17.50
	DFT-s-OFDM QPSK	270	0	/	16.63	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	15.70	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	15.78	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	16.26	/	17.50
	CP-OFDM QPSK	1	1	/	15.85	/	17.50
	CP-OFDM 16QAM	1	1	/	16.18	/	17.50
	CP-OFDM 64QAM	1	1	/	16.05	/	17.50
	CP-OFDM 256QAM	1	1	/	15.71	/	17.50

N77-ANT5 Full power(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	24.26	23.99	24.64	25.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	24.13	24.13	24.03	25.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.10	24.08	24.96	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.05	23.91	24.86	25.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	24.19	23.98	24.68	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.17	24.03	24.88	25.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	23.96	24.00	24.80	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	23.95	24.13	24.93	25.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.11	23.88	24.80	25.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	24.08	/	25.50
		1	137	/	24.92	/	25.50
		1	271	/	24.29	/	25.50
	DFT-s-OFDM BPSK	135	0	/	24.55	/	25.50
		135	69	/	24.50	/	25.50
		135	138	/	24.66	/	25.50
	DFT-s-OFDM BPSK	270	0	/	24.52	/	25.50
	DFT-s-OFDM QPSK	1	1	/	24.01	/	25.50
		1	137	/	24.45	/	25.50
		1	271	/	24.28	/	25.50
	DFT-s-OFDM QPSK	135	0	/	24.41	/	25.50
		135	69	/	24.40	/	25.50
		135	138	/	24.41	/	25.50
	DFT-s-OFDM QPSK	270	0	/	24.45	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.36	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.90	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.43	/	21.00
	CP-OFDM QPSK	1	1	/	23.12	/	24.00
	CP-OFDM 16QAM	1	1	/	22.84	/	23.50
	CP-OFDM 64QAM	1	1	/	21.17	/	22.00
	CP-OFDM 256QAM	1	1	/	17.83	/	19.00

N77-ANT5 Level1(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	15.09	15.50	16.05	17.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	15.10	15.41	15.21	17.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	15.35	15.52	16.03	17.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	15.32	15.35	15.71	17.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	15.30	15.40	16.10	17.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	15.26	15.33	16.02	17.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	15.19	15.25	15.63	17.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	15.23	15.36	15.76	17.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	15.04	15.39	15.85	17.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	15.37	/	17.00
		1	137	/	16.56	/	17.00
		1	271	/	15.57	/	17.00
	DFT-s-OFDM BPSK	135	0	/	16.19	/	17.00
		135	69	/	16.26	/	17.00
		135	138	/	16.32	/	17.00
	DFT-s-OFDM BPSK	270	0	/	16.12	/	17.00
	DFT-s-OFDM QPSK	1	1	/	15.36	/	17.00
		1	137	/	16.28	/	17.00
		1	271	/	15.36	/	17.00
	DFT-s-OFDM QPSK	135	0	/	16.06	/	17.00
		135	69	/	16.42	/	17.00
		135	138	/	16.26	/	17.00
	DFT-s-OFDM QPSK	270	0	/	16.14	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	15.18	/	17.00
	DFT-s-OFDM 64QAM	1	1	/	15.23	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	15.82	/	17.00
	CP-OFDM QPSK	1	1	/	15.32	/	17.00
	CP-OFDM 16QAM	1	1	/	15.62	/	17.00
	CP-OFDM 64QAM	1	1	/	15.56	/	17.00
	CP-OFDM 256QAM	1	1	/	15.18	/	17.00

N77-ANT5 Level2(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	23.32	22.96	23.69	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	23.15	23.08	23.05	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	23.16	23.01	23.96	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	23.01	22.92	23.88	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	23.24	22.97	23.65	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	23.10	23.03	23.89	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	23.03	22.99	23.75	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	22.96	23.06	23.89	24.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	23.09	22.80	23.82	24.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	23.13	/	24.50
		1	137	/	23.96	/	24.50
		1	271	/	23.21	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.54	/	24.50
		135	69	/	23.42	/	24.50
		135	138	/	23.60	/	24.50
	DFT-s-OFDM BPSK	270	0	/	23.45	/	24.50
	DFT-s-OFDM QPSK	1	1	/	23.03	/	24.50
		1	137	/	23.37	/	24.50
		1	271	/	23.20	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.35	/	24.50
		135	69	/	23.40	/	24.50
		135	138	/	23.35	/	24.50
	DFT-s-OFDM QPSK	270	0	/	23.47	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.37	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.96	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.37	/	21.00
	CP-OFDM QPSK	1	1	/	23.11	/	24.00
	CP-OFDM 16QAM	1	1	/	22.82	/	23.50
	CP-OFDM 64QAM	1	1	/	21.22	/	22.00
	CP-OFDM 256QAM	1	1	/	17.91	/	19.00

N77-ANT5 Level3(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	14.14	14.49	15.05	16.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	14.16	14.35	14.16	16.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	14.44	14.37	15.11	16.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	14.22	14.30	14.65	16.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	14.22	14.28	15.15	16.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	14.24	14.29	14.93	16.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	14.15	14.24	14.79	16.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	14.22	14.34	14.64	16.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	14.00	14.44	14.91	16.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	14.45	/	16.00
		1	137	/	15.46	/	16.00
		1	271	/	14.53	/	16.00
	DFT-s-OFDM BPSK	135	0	/	15.33	/	16.00
		135	69	/	15.34	/	16.00
		135	138	/	15.25	/	16.00
	DFT-s-OFDM BPSK	270	0	/	15.15	/	16.00
	DFT-s-OFDM QPSK	1	1	/	14.41	/	16.00
		1	137	/	15.25	/	16.00
		1	271	/	14.44	/	16.00
	DFT-s-OFDM QPSK	135	0	/	15.05	/	16.00
		135	69	/	15.27	/	16.00
		135	138	/	15.28	/	16.00
	DFT-s-OFDM QPSK	270	0	/	15.21	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	14.19	/	16.00
	DFT-s-OFDM 64QAM	1	1	/	14.29	/	16.00
	DFT-s-OFDM 256QAM	1	1	/	14.82	/	16.00
	CP-OFDM QPSK	1	1	/	14.40	/	16.00
	CP-OFDM 16QAM	1	1	/	14.67	/	16.00
	CP-OFDM 64QAM	1	1	/	14.52	/	16.00
	CP-OFDM 256QAM	1	1	/	14.20	/	16.00

N77-ANT5 Level4(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	22.18	22.03	22.66	23.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	22.20	22.17	21.97	23.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	22.06	22.09	22.93	23.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	22.05	21.95	22.79	23.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	22.11	21.95	22.74	23.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	22.11	22.04	22.80	23.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	21.88	22.01	22.87	23.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	21.94	22.05	22.90	23.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	22.19	21.86	22.86	23.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	22.14	/	23.50
		1	137	/	22.91	/	23.50
		1	271	/	22.34	/	23.50
	DFT-s-OFDM BPSK	135	0	/	22.57	/	23.50
		135	69	/	22.57	/	23.50
		135	138	/	22.67	/	23.50
	DFT-s-OFDM BPSK	270	0	/	22.44	/	23.50
	DFT-s-OFDM QPSK	1	1	/	22.02	/	23.50
		1	137	/	22.47	/	23.50
		1	271	/	22.31	/	23.50
	DFT-s-OFDM QPSK	135	0	/	22.43	/	23.50
		135	69	/	22.33	/	23.50
		135	138	/	22.36	/	23.50
	DFT-s-OFDM QPSK	270	0	/	22.51	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.31	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	21.83	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.49	/	21.00
	CP-OFDM QPSK	1	1	/	22.09	/	23.50
	CP-OFDM 16QAM	1	1	/	21.85	/	23.50
	CP-OFDM 64QAM	1	1	/	21.20	/	22.00
	CP-OFDM 256QAM	1	1	/	17.83	/	19.00

N77-ANT2 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	21.41	21.96	21.98	23.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	21.39	22.26	22.27	23.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	21.20	22.19	22.34	23.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	21.42	22.05	21.96	23.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	21.22	22.04	22.33	23.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	21.17	22.21	22.02	23.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	21.44	22.22	21.94	23.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	21.35	22.04	22.11	23.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	21.35	22.06	21.99	23.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	21.84	/	23.00
		1	137	/	22.13	/	23.00
		1	271	/	21.15	/	23.00
	DFT-s-OFDM BPSK	135	0	/	22.15	/	23.00
		135	69	/	22.12	/	23.00
		135	138	/	22.00	/	23.00
	DFT-s-OFDM BPSK	270	0	/	22.13	/	23.00
	DFT-s-OFDM QPSK	1	1	/	22.09	/	23.00
		1	137	/	22.07	/	23.00
		1	271	/	21.05	/	23.00
	DFT-s-OFDM QPSK	135	0	/	22.15	/	23.00
		135	69	/	22.08	/	23.00
		135	138	/	21.97	/	23.00
	DFT-s-OFDM QPSK	270	0	/	22.10	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.45	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	21.21	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	21.68	/	22.50
	CP-OFDM QPSK	1	1	/	21.12	/	22.00
	CP-OFDM 16QAM	1	1	/	21.35	/	22.50
	CP-OFDM 64QAM	1	1	/	21.38	/	22.00
	CP-OFDM 256QAM	1	1	/	19.52	/	21.00

N77-ANT2 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	18.84	19.47	19.48	20.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	18.83	19.68	19.69	20.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	18.62	19.71	19.87	20.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	18.95	19.56	19.51	20.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	18.63	19.62	19.83	20.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	18.64	19.75	19.54	20.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	18.93	19.73	19.49	20.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	18.77	19.55	19.52	20.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	18.87	19.54	19.57	20.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	19.31	/	20.50
		1	137	/	19.69	/	20.50
		1	271	/	18.65	/	20.50
	DFT-s-OFDM BPSK	135	0	/	19.70	/	20.50
		135	69	/	19.68	/	20.50
		135	138	/	19.44	/	20.50
	DFT-s-OFDM BPSK	270	0	/	19.60	/	20.50
	DFT-s-OFDM QPSK	1	1	/	19.66	/	20.50
		1	137	/	19.58	/	20.50
		1	271	/	18.60	/	20.50
	DFT-s-OFDM QPSK	135	0	/	19.64	/	20.50
		135	69	/	19.59	/	20.50
		135	138	/	19.55	/	20.50
	DFT-s-OFDM QPSK	270	0	/	19.66	/	20.50
	DFT-s-OFDM 16QAM	1	1	/	19.41	/	20.50
	DFT-s-OFDM 64QAM	1	1	/	19.22	/	20.50
	DFT-s-OFDM 256QAM	1	1	/	19.60	/	20.50
	CP-OFDM QPSK	1	1	/	19.19	/	20.50
	CP-OFDM 16QAM	1	1	/	19.38	/	20.50
	CP-OFDM 64QAM	1	1	/	19.36	/	20.50
	CP-OFDM 256QAM	1	1	/	18.55	/	20.50

N77-ANT2 Level2&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	18.09	18.58	18.55	19.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	17.99	18.86	18.78	19.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	17.76	18.85	18.89	19.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	17.94	18.66	18.60	19.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	17.84	18.67	18.95	19.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	17.84	18.73	18.67	19.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	18.00	18.89	18.56	19.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	18.02	18.60	18.72	19.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	17.95	18.66	18.55	19.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	18.49	/	19.50
		1	137	/	18.80	/	19.50
		1	271	/	17.74	/	19.50
	DFT-s-OFDM BPSK	135	0	/	18.69	/	19.50
		135	69	/	18.73	/	19.50
		135	138	/	18.64	/	19.50
	DFT-s-OFDM BPSK	270	0	/	18.78	/	19.50
	DFT-s-OFDM QPSK	1	1	/	18.62	/	19.50
		1	137	/	18.74	/	19.50
		1	271	/	17.71	/	19.50
	DFT-s-OFDM QPSK	135	0	/	18.73	/	19.50
		135	69	/	18.68	/	19.50
		135	138	/	18.52	/	19.50
	DFT-s-OFDM QPSK	270	0	/	18.64	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.72	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	18.41	/	19.50
	DFT-s-OFDM 256QAM	1	1	/	18.80	/	19.50
	CP-OFDM QPSK	1	1	/	18.33	/	19.50
	CP-OFDM 16QAM	1	1	/	18.49	/	19.50
	CP-OFDM 64QAM	1	1	/	18.62	/	19.50
	CP-OFDM 256QAM	1	1	/	17.84	/	19.50

N77-ANT2 Level4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	17.00	17.47	17.54	18.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	17.03	17.88	17.82	18.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	16.78	17.87	17.95	18.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	16.98	17.70	17.52	18.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	16.80	17.66	17.90	18.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	16.78	17.76	17.68	18.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	16.99	17.78	17.46	18.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	17.00	17.60	17.62	18.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	17.01	17.71	17.53	18.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	17.36	/	18.50
		1	137	/	17.69	/	18.50
		1	271	/	16.82	/	18.50
	DFT-s-OFDM BPSK	135	0	/	17.80	/	18.50
		135	69	/	17.73	/	18.50
		135	138	/	17.64	/	18.50
	DFT-s-OFDM BPSK	270	0	/	17.79	/	18.50
	DFT-s-OFDM QPSK	1	1	/	17.66	/	18.50
		1	137	/	17.73	/	18.50
		1	271	/	16.73	/	18.50
	DFT-s-OFDM QPSK	135	0	/	17.66	/	18.50
		135	69	/	17.69	/	18.50
		135	138	/	17.51	/	18.50
	DFT-s-OFDM QPSK	270	0	/	17.66	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	17.73	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	17.44	/	18.50
	DFT-s-OFDM 256QAM	1	1	/	17.84	/	18.50
	CP-OFDM QPSK	1	1	/	17.40	/	18.50
	CP-OFDM 16QAM	1	1	/	17.53	/	18.50
	CP-OFDM 64QAM	1	1	/	17.66	/	18.50
	CP-OFDM 256QAM	1	1	/	16.60	/	18.50

N77-ANT3 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	20.92	21.73	22.10	22.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	20.87	21.85	21.86	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	20.54	21.97	22.35	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	20.64	21.80	22.20	22.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	20.67	21.99	22.12	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	20.82	21.85	22.34	22.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	20.83	21.70	22.30	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	20.74	22.01	22.21	22.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	20.58	21.70	22.41	22.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	22.00	/	22.50
		1	137	/	22.38	/	22.50
		1	271	/	21.25	/	22.50
	DFT-s-OFDM BPSK	135	0	/	22.39	/	22.50
		135	69	/	22.33	/	22.50
		135	138	/	22.17	/	22.50
	DFT-s-OFDM BPSK	270	0	/	22.36	/	22.50
	DFT-s-OFDM QPSK	1	1	/	21.84	/	22.50
		1	137	/	22.25	/	22.50
		1	271	/	21.36	/	22.50
	DFT-s-OFDM QPSK	135	0	/	22.48	/	22.50
		135	69	/	22.28	/	22.50
		135	138	/	22.18	/	22.50
	DFT-s-OFDM QPSK	270	0	/	22.43	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.68	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	21.53	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	21.87	/	22.00
	CP-OFDM QPSK	1	1	/	21.78	/	22.00
	CP-OFDM 16QAM	1	1	/	21.87	/	22.00
	CP-OFDM 64QAM	1	1	/	21.64	/	22.00
	CP-OFDM 256QAM	1	1	/	20.10	/	20.50

N77-ANT3 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	15.05	15.84	16.18	16.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	14.90	15.73	15.77	16.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	14.64	16.10	16.25	16.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	14.53	15.95	16.19	16.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	14.77	15.89	16.19	16.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	14.99	15.76	16.32	16.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	14.82	15.60	16.14	16.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	14.72	15.88	16.05	16.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	14.83	15.64	16.37	16.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	16.05	/	16.50
		1	137	/	16.35	/	16.50
		1	271	/	15.13	/	16.50
	DFT-s-OFDM BPSK	135	0	/	16.38	/	16.50
		135	69	/	16.32	/	16.50
		135	138	/	16.23	/	16.50
	DFT-s-OFDM BPSK	270	0	/	16.10	/	16.50
	DFT-s-OFDM QPSK	1	1	/	16.01	/	16.50
		1	137	/	16.20	/	16.50
		1	271	/	15.36	/	16.50
	DFT-s-OFDM QPSK	135	0	/	16.15	/	16.50
		135	69	/	16.21	/	16.50
		135	138	/	16.15	/	16.50
	DFT-s-OFDM QPSK	270	0	/	16.48	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	16.10	/	16.50
	DFT-s-OFDM 64QAM	1	1	/	15.98	/	16.50
	DFT-s-OFDM 256QAM	1	1	/	16.24	/	16.50
	CP-OFDM QPSK	1	1	/	16.38	/	16.50
	CP-OFDM 16QAM	1	1	/	16.44	/	16.50
	CP-OFDM 64QAM	1	1	/	16.14	/	16.50
	CP-OFDM 256QAM	1	1	/	15.55	/	16.50

N77-ANT3 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	20.92	21.73	22.10	22.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	20.87	21.85	21.86	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	20.54	21.97	22.35	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	20.64	21.80	22.20	22.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	20.67	21.99	22.12	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	20.82	21.85	22.34	22.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	20.83	21.70	22.30	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	20.74	22.01	22.21	22.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	20.58	21.70	22.41	22.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	22.00	/	22.50
		1	137	/	22.38	/	22.50
		1	271	/	21.25	/	22.50
	DFT-s-OFDM BPSK	135	0	/	22.39	/	22.50
		135	69	/	22.33	/	22.50
		135	138	/	22.17	/	22.50
	DFT-s-OFDM BPSK	270	0	/	22.36	/	22.50
	DFT-s-OFDM QPSK	1	1	/	21.84	/	22.50
		1	137	/	22.25	/	22.50
		1	271	/	21.36	/	22.50
	DFT-s-OFDM QPSK	135	0	/	22.48	/	22.50
		135	69	/	22.28	/	22.50
		135	138	/	22.18	/	22.50
	DFT-s-OFDM QPSK	270	0	/	22.43	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.68	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	21.53	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	21.87	/	22.00
	CP-OFDM QPSK	1	1	/	21.78	/	22.00
	CP-OFDM 16QAM	1	1	/	21.87	/	22.00
	CP-OFDM 64QAM	1	1	/	21.64	/	22.00
	CP-OFDM 256QAM	1	1	/	20.10	/	20.50

N77-ANT3 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	13.84	14.70	15.26	15.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	13.81	14.94	14.86	15.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	13.68	15.04	15.47	15.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	13.51	14.81	15.15	15.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	13.83	15.02	15.13	15.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	13.83	14.83	15.31	15.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	13.70	14.59	15.19	15.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	13.90	15.05	15.31	15.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	13.56	14.81	15.47	15.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	14.95	/	15.50
		1	137	/	15.41	/	15.50
		1	271	/	14.13	/	15.50
	DFT-s-OFDM BPSK	135	0	/	15.34	/	15.50
		135	69	/	15.35	/	15.50
		135	138	/	15.31	/	15.50
	DFT-s-OFDM BPSK	270	0	/	15.49	/	15.50
	DFT-s-OFDM QPSK	1	1	/	14.86	/	15.50
		1	137	/	15.11	/	15.50
		1	271	/	14.51	/	15.50
	DFT-s-OFDM QPSK	135	0	/	15.12	/	15.50
		135	69	/	15.17	/	15.50
		135	138	/	15.19	/	15.50
	DFT-s-OFDM QPSK	270	0	/	15.27	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	15.28	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	15.03	/	15.50
	DFT-s-OFDM 256QAM	1	1	/	15.47	/	15.50
	CP-OFDM QPSK	1	1	/	15.40	/	15.50
	CP-OFDM 16QAM	1	1	/	15.29	/	15.50
	CP-OFDM 64QAM	1	1	/	15.02	/	15.50
	CP-OFDM 256QAM	1	1	/	14.50	/	15.50

N77-ANT8 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	22.67	24.38	22.97	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	22.63	24.42	24.23	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	22.80	24.11	22.97	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	22.71	24.26	22.96	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	22.60	24.32	23.23	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	22.70	24.30	23.17	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	22.78	24.37	23.02	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	22.61	24.37	22.88	24.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	22.61	24.13	23.16	24.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	24.46	/	24.50
		1	137	/	24.42	/	24.50
		1	271	/	23.44	/	24.50
	DFT-s-OFDM BPSK	135	0	/	24.15	/	24.50
		135	69	/	24.30	/	24.50
		135	138	/	24.02	/	24.50
	DFT-s-OFDM BPSK	270	0	/	24.31	/	24.50
	DFT-s-OFDM QPSK	1	1	/	24.26	/	24.50
		1	137	/	24.24	/	24.50
		1	271	/	23.04	/	24.50
	DFT-s-OFDM QPSK	135	0	/	24.15	/	24.50
		135	69	/	24.21	/	24.50
		135	138	/	23.81	/	24.50
	DFT-s-OFDM QPSK	270	0	/	23.98	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.14	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	21.64	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.17	/	22.00
	CP-OFDM QPSK	1	1	/	22.65	/	23.00
	CP-OFDM 16QAM	1	1	/	22.58	/	23.00
	CP-OFDM 64QAM	1	1	/	20.90	/	22.50
	CP-OFDM 256QAM	1	1	/	18.02	/	19.50

N77-ANT8 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	21.19	23.00	21.57	23.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	21.18	22.88	22.69	23.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	21.14	22.64	21.41	23.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	21.06	22.77	21.31	23.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	21.02	22.90	21.74	23.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	21.33	22.94	21.63	23.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	21.30	22.87	21.67	23.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	21.09	22.89	21.23	23.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	21.09	22.57	21.55	23.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	22.94	/	23.00
		1	137	/	22.82	/	23.00
		1	271	/	21.82	/	23.00
	DFT-s-OFDM BPSK	135	0	/	22.51	/	23.00
		135	69	/	22.89	/	23.00
		135	138	/	22.38	/	23.00
	DFT-s-OFDM BPSK	270	0	/	22.98	/	23.00
	DFT-s-OFDM QPSK	1	1	/	22.67	/	23.00
		1	137	/	22.76	/	23.00
		1	271	/	21.44	/	23.00
	DFT-s-OFDM QPSK	135	0	/	22.61	/	23.00
		135	69	/	22.68	/	23.00
		135	138	/	22.30	/	23.00
	DFT-s-OFDM QPSK	270	0	/	22.33	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.59	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	21.75	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.32	/	22.00
	CP-OFDM QPSK	1	1	/	22.49	/	23.00
	CP-OFDM 16QAM	1	1	/	22.51	/	23.00
	CP-OFDM 64QAM	1	1	/	20.99	/	22.50
	CP-OFDM 256QAM	1	1	/	18.04	/	19.50

N77-ANT8 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	22.67	24.38	22.97	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	22.63	24.42	24.23	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	22.80	24.11	22.97	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	22.71	24.26	22.96	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	22.60	24.32	23.23	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	22.70	24.30	23.17	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	22.78	24.37	23.02	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	22.61	24.37	22.88	24.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	22.61	24.13	23.16	24.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	24.46	/	24.50
		1	137	/	24.42	/	24.50
		1	271	/	23.44	/	24.50
	DFT-s-OFDM BPSK	135	0	/	24.15	/	24.50
		135	69	/	24.30	/	24.50
		135	138	/	24.02	/	24.50
	DFT-s-OFDM BPSK	270	0	/	24.31	/	24.50
	DFT-s-OFDM QPSK	1	1	/	24.26	/	24.50
		1	137	/	24.24	/	24.50
		1	271	/	23.04	/	24.50
	DFT-s-OFDM QPSK	135	0	/	24.15	/	24.50
		135	69	/	24.21	/	24.50
		135	138	/	23.81	/	24.50
	DFT-s-OFDM QPSK	270	0	/	23.98	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.14	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	21.64	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.17	/	22.00
	CP-OFDM QPSK	1	1	/	22.65	/	23.00
	CP-OFDM 16QAM	1	1	/	22.58	/	23.00
	CP-OFDM 64QAM	1	1	/	20.90	/	22.50
	CP-OFDM 256QAM	1	1	/	18.02	/	19.50

N77-ANT8 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	20.20	21.85	20.41	22.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	3542.49	
15	DFT-s-OFDM QPSK	1	1	20.01	21.99	21.72	22.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	20.41	21.54	20.47	22.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	20.21	21.84	20.34	22.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	20.15	21.68	20.78	22.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	20.25	21.85	20.72	22.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3510	
70	DFT-s-OFDM QPSK	1	1	20.29	21.78	20.67	22.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3524.99	
80	DFT-s-OFDM QPSK	1	1	20.14	22.00	20.46	22.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	20.16	21.66	20.67	22.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	21.99	/	22.00
		1	137	/	20.56	/	22.00
		1	271	/	20.88	/	22.00
	DFT-s-OFDM BPSK	135	0	/	21.52	/	22.00
		135	69	/	21.84	/	22.00
		135	138	/	21.64	/	22.00
	DFT-s-OFDM BPSK	270	0	/	21.95	/	22.00
	DFT-s-OFDM QPSK	1	1	/	21.92	/	22.00
		1	137	/	21.82	/	22.00
		1	271	/	20.58	/	22.00
	DFT-s-OFDM QPSK	135	0	/	21.66	/	22.00
		135	69	/	21.56	/	22.00
		135	138	/	21.35	/	22.00
	DFT-s-OFDM QPSK	270	0	/	21.45	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	21.56	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	20.46	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	20.15	/	22.00
	CP-OFDM QPSK	1	1	/	21.69	/	22.00
	CP-OFDM 16QAM	1	1	/	21.65	/	22.00
	CP-OFDM 64QAM	1	1	/	20.97	/	22.00
	CP-OFDM 256QAM	1	1	/	18.06	/	19.50

N77-ANT5 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	24.33	23.83	24.67	25.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	24.00	24.03	23.85	25.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	24.17	23.91	24.87	25.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	23.87	23.83	24.88	25.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	24.10	23.84	24.66	25.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	24.24	24.00	24.72	25.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	23.98	23.99	24.87	25.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	23.84	24.00	24.85	25.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	24.08	23.81	24.83	25.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.94	23.99	23.95	25.50
		1	137	24.86	25.00	24.97	25.50
		1	271	24.20	24.36	24.31	25.50
	DFT-s-OFDM BPSK	135	0	24.51	24.46	24.42	25.50
		135	69	24.28	24.58	24.39	25.50
		135	138	24.44	24.55	24.65	25.50
	DFT-s-OFDM BPSK	270	0	24.23	24.53	24.37	25.50
	DFT-s-OFDM QPSK	1	1	23.98	24.06	23.93	25.50
		1	137	24.26	24.47	24.50	25.50
		1	271	24.06	24.37	24.37	25.50
	DFT-s-OFDM QPSK	135	0	24.35	24.42	24.43	25.50
		135	69	24.28	24.46	24.42	25.50
		135	138	24.10	24.50	24.43	25.50
	DFT-s-OFDM QPSK	270	0	24.38	24.42	24.48	24.50
	DFT-s-OFDM 16QAM	1	1	23.06	23.45	23.23	24.50
	DFT-s-OFDM 64QAM	1	1	21.72	21.72	21.91	23.00
	DFT-s-OFDM 256QAM	1	1	20.33	20.33	20.34	21.00
	CP-OFDM QPSK	1	1	23.05	23.03	23.21	24.00
	CP-OFDM 16QAM	1	1	22.72	22.89	22.81	23.50
	CP-OFDM 64QAM	1	1	21.08	21.01	21.13	22.00
	CP-OFDM 256QAM	1	1	17.74	17.89	17.85	19.00

N77-ANT5 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	16.61	17.15	17.43	18.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	16.73	16.79	16.91	18.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	16.67	16.66	17.42	18.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	16.62	16.93	17.34	18.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	16.70	16.84	17.34	18.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	16.51	16.84	17.43	18.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	16.71	16.95	17.37	18.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	16.56	16.66	17.40	18.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	16.63	16.91	17.55	18.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	16.87	16.83	16.83	18.50
		1	137	17.75	17.89	17.76	18.50
		1	271	16.78	17.05	16.99	18.50
	DFT-s-OFDM BPSK	135	0	17.63	17.61	17.62	18.50
		135	69	17.77	17.79	17.88	18.50
		135	138	17.55	17.79	17.61	18.50
	DFT-s-OFDM BPSK	270	0	17.50	17.66	17.62	18.50
	DFT-s-OFDM QPSK	1	1	16.86	16.97	17.02	18.50
		1	137	17.72	17.83	17.82	18.50
		1	271	16.90	17.07	17.08	18.50
	DFT-s-OFDM QPSK	135	0	17.53	17.75	17.76	18.50
		135	69	17.91	17.78	17.97	18.50
		135	138	17.75	17.68	17.87	18.50
	DFT-s-OFDM QPSK	270	0	17.54	17.55	17.72	18.50
	DFT-s-OFDM 16QAM	1	1	16.66	16.58	16.76	18.50
	DFT-s-OFDM 64QAM	1	1	16.71	16.60	16.81	18.50
	DFT-s-OFDM 256QAM	1	1	17.29	17.20	17.29	18.50
	CP-OFDM QPSK	1	1	16.67	16.94	16.76	18.50
	CP-OFDM 16QAM	1	1	16.89	17.11	17.20	18.50
	CP-OFDM 64QAM	1	1	16.81	17.00	17.04	18.50
	CP-OFDM 256QAM	1	1	16.50	16.66	16.60	18.50

N77-ANT5 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	24.15	23.96	24.45	25.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	23.96	24.00	24.03	25.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	24.09	23.95	24.81	25.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	23.94	23.96	24.79	25.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	24.14	24.05	24.52	25.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	24.17	23.97	24.91	25.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	23.79	23.85	24.78	25.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	23.96	24.07	24.75	25.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	23.97	23.88	24.87	25.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.88	23.93	23.95	25.50
		1	137	24.81	24.99	24.96	25.50
		1	271	24.14	24.15	24.18	25.50
	DFT-s-OFDM BPSK	135	0	24.32	24.60	24.43	25.50
		135	69	24.34	24.52	24.56	25.50
		135	138	24.56	24.66	24.61	25.50
	DFT-s-OFDM BPSK	270	0	24.21	24.49	24.61	25.50
	DFT-s-OFDM QPSK	1	1	23.91	24.05	23.95	25.50
		1	137	24.23	24.45	24.49	25.50
		1	271	24.19	24.35	24.37	25.50
	DFT-s-OFDM QPSK	135	0	24.21	24.49	24.30	25.50
		135	69	24.17	24.43	24.34	25.50
		135	138	24.26	24.50	24.38	25.50
	DFT-s-OFDM QPSK	270	0	24.18	24.43	24.46	24.50
	DFT-s-OFDM 16QAM	1	1	23.29	23.22	23.35	24.50
	DFT-s-OFDM 64QAM	1	1	21.63	21.87	21.72	23.00
	DFT-s-OFDM 256QAM	1	1	20.18	20.44	20.45	21.00
	CP-OFDM QPSK	1	1	22.89	23.06	23.12	24.00
	CP-OFDM 16QAM	1	1	22.57	22.81	22.89	23.50
	CP-OFDM 64QAM	1	1	21.08	21.26	21.04	22.00
	CP-OFDM 256QAM	1	1	17.64	17.67	17.70	19.00

N77-ANT5 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	15.63	15.89	16.56	17.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	15.68	15.78	15.81	17.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	15.98	15.76	16.38	17.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	15.68	15.81	16.22	17.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	15.65	15.93	16.47	17.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	15.73	15.84	16.30	17.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	15.51	15.86	16.25	17.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	15.82	15.82	16.07	17.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	15.56	15.69	16.50	17.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	15.64	15.79	15.82	17.50
		1	137	16.89	17.01	16.88	17.50
		1	271	15.95	15.97	16.00	17.50
	DFT-s-OFDM BPSK	135	0	16.46	16.71	16.70	17.50
		135	69	16.77	16.72	16.75	17.50
		135	138	16.53	16.59	16.83	17.50
	DFT-s-OFDM BPSK	270	0	16.53	16.48	16.66	17.50
	DFT-s-OFDM QPSK	1	1	15.73	15.87	15.93	17.50
		1	137	16.69	16.85	16.90	17.50
		1	271	15.82	15.75	16.00	17.50
	DFT-s-OFDM QPSK	135	0	16.49	16.54	16.47	17.50
		135	69	16.70	16.94	16.91	17.50
		135	138	16.66	16.73	16.65	17.50
	DFT-s-OFDM QPSK	270	0	16.49	16.56	16.61	17.50
	DFT-s-OFDM 16QAM	1	1	15.58	15.66	15.51	17.50
	DFT-s-OFDM 64QAM	1	1	15.49	15.76	15.65	17.50
	DFT-s-OFDM 256QAM	1	1	16.08	16.29	16.11	17.50
	CP-OFDM QPSK	1	1	15.56	15.68	15.73	17.50
	CP-OFDM 16QAM	1	1	16.13	16.00	16.23	17.50
	CP-OFDM 64QAM	1	1	16.02	16.03	16.10	17.50
	CP-OFDM 256QAM	1	1	15.61	15.75	15.77	17.50

N77-ANT5 Full power(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	24.33	23.83	24.67	25.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	24.00	24.03	23.85	25.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	24.17	23.91	24.87	25.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	23.87	23.83	24.88	25.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	24.10	23.84	24.66	25.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	24.24	24.00	24.72	25.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	23.98	23.99	24.87	25.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	23.84	24.00	24.85	25.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	24.08	23.81	24.83	25.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.94	23.99	23.95	25.50
		1	137	24.86	25.00	24.97	25.50
		1	271	24.20	24.36	24.31	25.50
	DFT-s-OFDM BPSK	135	0	24.51	24.46	24.42	25.50
		135	69	24.28	24.58	24.39	25.50
		135	138	24.44	24.55	24.65	25.50
	DFT-s-OFDM BPSK	270	0	24.23	24.53	24.37	25.50
	DFT-s-OFDM QPSK	1	1	23.98	24.06	23.93	25.50
		1	137	24.26	24.47	24.50	25.50
		1	271	24.06	24.37	24.37	25.50
	DFT-s-OFDM QPSK	135	0	24.35	24.42	24.43	25.50
		135	69	24.28	24.46	24.42	25.50
		135	138	24.10	24.50	24.43	25.50
	DFT-s-OFDM QPSK	270	0	24.38	24.42	24.48	24.50
	DFT-s-OFDM 16QAM	1	1	23.06	23.45	23.23	24.50
	DFT-s-OFDM 64QAM	1	1	21.72	21.72	21.91	23.00
	DFT-s-OFDM 256QAM	1	1	20.33	20.33	20.34	21.00
	CP-OFDM QPSK	1	1	23.05	23.03	23.21	24.00
	CP-OFDM 16QAM	1	1	22.72	22.89	22.81	23.50
	CP-OFDM 64QAM	1	1	21.08	21.01	21.13	22.00
	CP-OFDM 256QAM	1	1	17.74	17.89	17.85	19.00

N77-ANT5 Level1(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	15.12	15.38	15.94	17.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	15.12	15.49	15.12	17.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	15.35	15.46	15.84	17.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	15.30	15.40	15.69	17.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	15.29	15.44	16.14	17.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	15.25	15.24	16.04	17.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	15.27	15.07	15.63	17.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	15.10	15.40	15.71	17.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	15.05	15.44	15.66	17.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	15.32	15.25	15.35	17.00
		1	137	16.47	16.65	16.61	17.00
		1	271	15.31	15.38	15.60	17.00
	DFT-s-OFDM BPSK	135	0	15.95	16.12	16.09	17.00
		135	69	15.99	16.18	16.23	17.00
		135	138	16.16	16.31	16.25	17.00
	DFT-s-OFDM BPSK	270	0	16.09	16.18	16.06	17.00
	DFT-s-OFDM QPSK	1	1	15.28	15.38	15.25	17.00
		1	137	16.23	16.24	16.15	17.00
		1	271	15.08	15.42	15.37	17.00
	DFT-s-OFDM QPSK	135	0	15.92	16.07	15.97	17.00
		135	69	16.30	16.49	16.25	17.00
		135	138	15.99	16.19	16.29	17.00
	DFT-s-OFDM QPSK	270	0	16.01	16.21	15.99	17.00
	DFT-s-OFDM 16QAM	1	1	15.00	15.11	15.10	17.00
	DFT-s-OFDM 64QAM	1	1	15.12	15.19	15.27	17.00
	DFT-s-OFDM 256QAM	1	1	15.69	15.83	15.79	17.00
	CP-OFDM QPSK	1	1	15.29	15.37	15.38	17.00
	CP-OFDM 16QAM	1	1	15.52	15.55	15.68	17.00
	CP-OFDM 64QAM	1	1	15.44	15.54	15.60	17.00
	CP-OFDM 256QAM	1	1	15.01	15.25	15.18	17.00

N77-ANT5 Level2(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	23.23	22.77	23.71	24.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	23.09	23.05	22.99	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	23.19	23.00	24.05	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	22.99	22.93	23.79	24.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	23.07	23.00	23.64	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	23.04	22.96	23.86	24.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	22.97	23.00	23.84	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	22.96	22.98	23.82	24.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	23.00	22.83	23.85	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.07	22.99	22.99	24.50
		1	137	23.73	23.92	23.97	24.50
		1	271	23.05	23.09	23.17	24.50
	DFT-s-OFDM BPSK	135	0	23.34	23.35	23.44	24.50
		135	69	23.24	23.40	23.42	24.50
		135	138	23.55	23.69	23.61	24.50
	DFT-s-OFDM BPSK	270	0	23.25	23.51	23.33	24.50
	DFT-s-OFDM QPSK	1	1	22.90	22.91	23.12	24.50
		1	137	23.31	23.19	23.25	24.50
		1	271	22.90	23.05	23.16	24.50
	DFT-s-OFDM QPSK	135	0	23.26	23.19	23.33	24.50
		135	69	23.13	23.37	23.35	24.50
		135	138	23.22	23.21	23.19	24.50
	DFT-s-OFDM QPSK	270	0	23.26	23.36	23.40	24.50
	DFT-s-OFDM 16QAM	1	1	23.28	23.46	23.35	24.50
	DFT-s-OFDM 64QAM	1	1	21.69	21.95	21.82	23.00
	DFT-s-OFDM 256QAM	1	1	20.26	20.21	20.46	21.00
	CP-OFDM QPSK	1	1	22.83	23.15	23.13	24.00
	CP-OFDM 16QAM	1	1	22.77	22.70	22.68	23.50
	CP-OFDM 64QAM	1	1	21.09	21.11	21.14	22.00
	CP-OFDM 256QAM	1	1	17.62	17.75	18.00	19.00

N77-ANT5 Level3(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	14.13	14.34	15.14	16.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	14.25	14.18	14.16	16.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	14.32	14.34	15.19	16.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	14.05	14.29	14.69	16.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	14.28	14.35	15.01	16.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	14.18	14.21	14.90	16.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	14.19	14.33	14.80	16.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	14.11	14.27	14.73	16.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	14.05	14.44	14.96	16.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	14.29	14.48	14.46	16.00
		1	137	15.30	15.37	15.42	16.00
		1	271	14.40	14.52	14.39	16.00
	DFT-s-OFDM BPSK	135	0	15.10	15.22	15.35	16.00
		135	69	15.29	15.42	15.33	16.00
		135	138	15.08	15.10	15.27	16.00
	DFT-s-OFDM BPSK	270	0	14.86	15.18	15.03	16.00
	DFT-s-OFDM QPSK	1	1	14.26	14.50	14.43	16.00
		1	137	15.12	15.16	15.12	16.00
		1	271	14.27	14.31	14.52	16.00
	DFT-s-OFDM QPSK	135	0	14.91	15.09	15.00	16.00
		135	69	15.07	15.11	15.29	16.00
		135	138	15.21	15.29	15.29	16.00
	DFT-s-OFDM QPSK	270	0	15.12	15.06	15.30	16.00
	DFT-s-OFDM 16QAM	1	1	14.05	14.21	14.18	16.00
	DFT-s-OFDM 64QAM	1	1	14.06	14.25	14.34	16.00
	DFT-s-OFDM 256QAM	1	1	14.57	14.70	14.77	16.00
	CP-OFDM QPSK	1	1	14.10	14.47	14.46	16.00
	CP-OFDM 16QAM	1	1	14.39	14.63	14.53	16.00
	CP-OFDM 64QAM	1	1	14.29	14.42	14.46	16.00
	CP-OFDM 256QAM	1	1	14.04	14.15	14.28	16.00

N77-ANT5 Level4(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	22.08	22.12	22.47	23.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	22.27	22.02	21.94	23.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	21.96	22.01	22.76	23.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	21.89	21.93	22.76	23.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	22.07	21.95	22.71	23.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	22.19	22.02	22.78	23.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	21.92	21.91	22.85	23.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	21.79	22.03	22.78	23.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	22.13	21.79	22.94	23.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.93	21.99	22.07	23.50
		1	137	22.80	22.84	22.97	23.50
		1	271	22.07	22.34	22.21	23.50
	DFT-s-OFDM BPSK	135	0	22.41	22.50	22.39	23.50
		135	69	22.41	22.40	22.49	23.50
		135	138	22.62	22.50	22.58	23.50
	DFT-s-OFDM BPSK	270	0	22.33	22.33	22.31	23.50
	DFT-s-OFDM QPSK	1	1	21.72	21.95	21.88	23.50
		1	137	22.34	22.31	22.41	23.50
		1	271	22.25	22.37	22.29	23.50
	DFT-s-OFDM QPSK	135	0	22.14	22.27	22.26	23.50
		135	69	22.03	22.33	22.33	23.50
		135	138	22.11	22.41	22.44	23.50
	DFT-s-OFDM QPSK	270	0	22.36	22.54	22.37	23.50
	DFT-s-OFDM 16QAM	1	1	22.24	22.17	22.20	23.50
	DFT-s-OFDM 64QAM	1	1	21.77	21.65	21.81	23.00
	DFT-s-OFDM 256QAM	1	1	20.23	20.45	20.55	21.00
	CP-OFDM QPSK	1	1	22.06	22.18	21.99	23.50
	CP-OFDM 16QAM	1	1	21.80	21.66	21.82	23.50
	CP-OFDM 64QAM	1	1	21.08	21.13	21.01	22.00
	CP-OFDM 256QAM	1	1	17.73	17.74	17.77	19.00

N77-ANT2 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	21.28	21.95	22.03	23.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	21.38	22.26	22.20	23.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	21.24	22.07	22.33	23.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	21.47	21.89	22.03	23.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	21.28	21.99	22.38	23.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	21.22	22.09	21.91	23.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	21.42	22.04	21.94	23.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	21.36	22.13	21.96	23.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	21.19	22.11	21.96	23.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.75	21.78	21.82	23.00
		1	137	22.04	21.96	22.17	23.00
		1	271	21.05	21.20	21.10	23.00
	DFT-s-OFDM BPSK	135	0	21.97	22.06	22.12	23.00
		135	69	21.94	22.17	22.03	23.00
		135	138	21.86	21.97	21.91	23.00
	DFT-s-OFDM BPSK	270	0	22.08	21.94	22.21	23.00
	DFT-s-OFDM QPSK	1	1	21.94	21.99	22.02	23.00
		1	137	21.89	22.02	21.91	23.00
		1	271	21.89	21.16	21.02	23.00
	DFT-s-OFDM QPSK	135	0	21.88	22.07	22.19	23.00
		135	69	21.88	22.01	22.07	23.00
		135	138	21.83	22.05	21.79	23.00
	DFT-s-OFDM QPSK	270	0	21.82	21.95	21.98	23.00
	DFT-s-OFDM 16QAM	1	1	21.17	21.27	21.27	22.00
	DFT-s-OFDM 64QAM	1	1	20.93	21.03	21.02	22.00
	DFT-s-OFDM 256QAM	1	1	21.44	21.64	21.57	22.50
	CP-OFDM QPSK	1	1	20.92	20.93	20.96	22.00
	CP-OFDM 16QAM	1	1	21.25	21.39	21.31	22.50
	CP-OFDM 64QAM	1	1	21.35	21.30	21.39	22.00
	CP-OFDM 256QAM	1	1	19.44	19.34	19.42	21.00

N77-ANT2 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	18.73	19.30	19.42	20.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	18.91	19.68	19.62	20.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	18.51	19.59	19.85	20.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	18.90	19.46	19.40	20.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	18.70	19.45	19.67	20.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	18.70	19.61	19.56	20.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	18.94	19.60	19.51	20.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	18.76	19.49	19.39	20.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	18.76	19.59	19.64	20.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	19.17	19.19	19.17	20.50
		1	137	19.66	19.50	19.70	20.50
		1	271	18.44	18.67	18.47	20.50
	DFT-s-OFDM BPSK	135	0	19.58	19.53	19.66	20.50
		135	69	19.37	19.66	19.69	20.50
		135	138	19.15	19.27	19.29	20.50
	DFT-s-OFDM BPSK	270	0	19.38	19.68	19.57	20.50
	DFT-s-OFDM QPSK	1	1	19.53	19.50	19.63	20.50
		1	137	19.32	19.46	19.63	20.50
		1	271	18.43	18.51	18.49	20.50
	DFT-s-OFDM QPSK	135	0	19.34	19.68	19.64	20.50
		135	69	19.30	19.65	19.49	20.50
		135	138	19.48	19.47	19.47	20.50
	DFT-s-OFDM QPSK	270	0	19.63	19.61	19.74	20.50
	DFT-s-OFDM 16QAM	1	1	19.34	19.27	19.31	20.50
	DFT-s-OFDM 64QAM	1	1	19.10	19.29	19.05	20.50
	DFT-s-OFDM 256QAM	1	1	19.49	19.43	19.48	20.50
	CP-OFDM QPSK	1	1	19.10	19.28	19.15	20.50
	CP-OFDM 16QAM	1	1	19.10	19.31	19.42	20.50
	CP-OFDM 64QAM	1	1	19.08	19.26	19.19	20.50
	CP-OFDM 256QAM	1	1	18.67	18.60	18.59	20.50

N77-ANT2 Level2&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	17.96	18.49	18.48	19.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	17.83	18.91	18.68	19.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	17.79	18.87	18.79	19.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	17.81	18.67	18.44	19.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	17.82	18.63	18.79	19.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	17.66	18.65	18.73	19.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	18.02	18.71	18.55	19.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	17.90	18.64	18.73	19.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	17.93	18.75	18.43	19.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	18.26	18.44	18.56	19.50
		1	137	18.71	18.71	18.71	19.50
		1	271	17.46	17.59	17.78	19.50
	DFT-s-OFDM BPSK	135	0	18.65	18.51	18.66	19.50
		135	69	18.63	18.57	18.80	19.50
		135	138	18.59	18.48	18.49	19.50
	DFT-s-OFDM BPSK	270	0	18.61	18.74	18.67	19.50
	DFT-s-OFDM QPSK	1	1	18.50	18.43	18.65	19.50
		1	137	18.59	18.71	18.82	19.50
		1	271	17.54	17.66	17.80	19.50
	DFT-s-OFDM QPSK	135	0	18.65	18.61	18.67	19.50
		135	69	18.63	18.63	18.69	19.50
		135	138	18.29	18.46	18.53	19.50
	DFT-s-OFDM QPSK	270	0	18.61	18.65	18.51	19.50
	DFT-s-OFDM 16QAM	1	1	18.66	18.79	18.70	19.50
	DFT-s-OFDM 64QAM	1	1	18.22	18.28	18.48	19.50
	DFT-s-OFDM 256QAM	1	1	18.69	18.88	18.63	19.50
	CP-OFDM QPSK	1	1	18.15	18.40	18.23	19.50
	CP-OFDM 16QAM	1	1	18.22	18.36	18.51	19.50
	CP-OFDM 64QAM	1	1	18.53	18.61	18.51	19.50
	CP-OFDM 256QAM	1	1	17.61	17.73	17.68	19.50

N77-ANT2 Level4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	17.00	17.29	17.38	18.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	16.91	17.72	17.87	18.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	16.60	17.75	17.93	18.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	16.79	17.69	17.56	18.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	16.78	17.68	17.97	18.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	16.66	17.64	17.53	18.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	17.06	17.79	17.36	18.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	16.84	17.42	17.55	18.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	16.89	17.73	17.49	18.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	17.28	17.43	17.44	18.50
		1	137	17.59	17.61	17.63	18.50
		1	271	16.62	16.72	16.85	18.50
	DFT-s-OFDM BPSK	135	0	17.70	17.70	17.79	18.50
		135	69	17.52	17.61	17.79	18.50
		135	138	17.51	17.62	17.61	18.50
	DFT-s-OFDM BPSK	270	0	17.57	17.86	17.63	18.50
	DFT-s-OFDM QPSK	1	1	17.59	17.67	17.65	18.50
		1	137	17.51	17.57	17.57	18.50
		1	271	16.69	16.63	16.72	18.50
	DFT-s-OFDM QPSK	135	0	17.58	17.65	17.72	18.50
		135	69	17.63	17.59	17.61	18.50
		135	138	17.43	17.57	17.58	18.50
	DFT-s-OFDM QPSK	270	0	17.50	17.52	17.66	18.50
	DFT-s-OFDM 16QAM	1	1	17.69	17.76	17.62	18.50
	DFT-s-OFDM 64QAM	1	1	17.32	17.28	17.36	18.50
	DFT-s-OFDM 256QAM	1	1	17.67	17.68	17.66	18.50
	CP-OFDM QPSK	1	1	17.18	17.36	17.31	18.50
	CP-OFDM 16QAM	1	1	17.36	17.62	17.38	18.50
	CP-OFDM 64QAM	1	1	17.43	17.72	17.74	18.50
	CP-OFDM 256QAM	1	1	16.68	16.65	16.54	18.50

N77-ANT3 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	20.88	21.79	21.94	22.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	20.80	21.77	21.94	22.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	20.70	22.03	22.42	22.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	20.55	21.70	22.23	22.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	20.57	21.92	22.08	22.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	20.71	21.78	22.40	22.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	20.90	21.66	22.26	22.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	20.62	21.91	22.03	22.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	20.61	21.51	22.25	22.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.74	21.95	21.88	22.50
		1	137	22.21	22.42	22.42	22.50
		1	271	21.10	21.28	21.07	22.50
	DFT-s-OFDM BPSK	135	0	22.32	22.36	22.29	22.50
		135	69	22.05	22.18	22.17	22.50
		135	138	22.11	22.14	22.24	22.50
	DFT-s-OFDM BPSK	270	0	22.05	22.27	22.19	22.50
	DFT-s-OFDM QPSK	1	1	21.74	21.66	21.73	22.50
		1	137	22.20	22.14	22.07	22.50
		1	271	21.07	21.37	21.18	22.50
	DFT-s-OFDM QPSK	135	0	22.39	22.33	22.57	22.50
		135	69	21.99	22.20	22.25	22.50
		135	138	21.93	22.14	22.09	22.50
	DFT-s-OFDM QPSK	270	0	22.21	22.37	22.50	22.50
	DFT-s-OFDM 16QAM	1	1	21.51	21.62	21.56	22.00
	DFT-s-OFDM 64QAM	1	1	21.37	21.34	21.51	22.00
	DFT-s-OFDM 256QAM	1	1	21.57	21.96	21.78	22.00
	CP-OFDM QPSK	1	1	21.52	21.64	21.77	22.00
	CP-OFDM 16QAM	1	1	21.79	21.74	21.95	22.00
	CP-OFDM 64QAM	1	1	21.50	21.63	21.67	22.00
	CP-OFDM 256QAM	1	1	19.92	20.08	19.95	20.50

N77-ANT3 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	14.92	15.79	16.23	16.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	14.98	15.76	15.75	16.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	14.55	15.92	16.33	16.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	14.60	16.00	16.20	16.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	14.79	15.98	16.28	16.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	14.95	15.65	16.39	16.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	14.69	15.54	15.96	16.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	14.59	15.80	15.86	16.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	14.92	15.58	16.24	16.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	15.89	16.10	15.87	16.50
		1	137	16.28	16.43	16.19	16.50
		1	271	15.05	15.02	15.12	16.50
	DFT-s-OFDM BPSK	135	0	16.18	16.22	16.43	16.50
		135	69	16.17	16.33	16.24	16.50
		135	138	16.16	16.24	16.24	16.50
	DFT-s-OFDM BPSK	270	0	15.79	16.16	16.07	16.50
	DFT-s-OFDM QPSK	1	1	15.93	15.99	16.07	16.50
		1	137	15.89	16.26	16.15	16.50
		1	271	15.06	15.33	15.26	16.50
	DFT-s-OFDM QPSK	135	0	15.94	16.02	16.00	16.50
		135	69	16.13	16.23	16.11	16.50
		135	138	15.91	16.06	16.17	16.50
	DFT-s-OFDM QPSK	270	0	16.23	16.42	16.31	16.50
	DFT-s-OFDM 16QAM	1	1	15.94	15.97	15.94	16.50
	DFT-s-OFDM 64QAM	1	1	15.75	16.01	15.85	16.50
	DFT-s-OFDM 256QAM	1	1	15.97	16.23	16.16	16.50
	CP-OFDM QPSK	1	1	16.24	16.38	16.32	16.50
	CP-OFDM 16QAM	1	1	16.35	16.34	16.31	16.50
	CP-OFDM 64QAM	1	1	15.91	16.06	15.98	16.50
	CP-OFDM 256QAM	1	1	15.50	15.48	15.50	16.50

N77-ANT3 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	20.88	21.79	21.94	22.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	20.80	21.77	21.94	22.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	20.70	22.03	22.42	22.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	20.55	21.70	22.23	22.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	20.57	21.92	22.08	22.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	20.71	21.78	22.40	22.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	20.90	21.66	22.26	22.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	20.62	21.91	22.03	22.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	20.61	21.51	22.25	22.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.74	21.95	21.88	22.50
		1	137	22.21	22.42	22.42	22.50
		1	271	21.10	21.28	21.07	22.50
	DFT-s-OFDM BPSK	135	0	22.32	22.36	22.29	22.50
		135	69	22.05	22.18	22.17	22.50
		135	138	22.11	22.14	22.24	22.50
	DFT-s-OFDM BPSK	270	0	22.05	22.27	22.19	22.50
	DFT-s-OFDM QPSK	1	1	21.74	21.66	21.73	22.50
		1	137	22.20	22.14	22.07	22.50
		1	271	21.07	21.37	21.18	22.50
	DFT-s-OFDM QPSK	135	0	22.39	22.33	22.57	22.50
		135	69	21.99	22.20	22.25	22.50
		135	138	21.93	22.14	22.09	22.50
	DFT-s-OFDM QPSK	270	0	22.21	22.37	22.50	22.50
	DFT-s-OFDM 16QAM	1	1	21.51	21.62	21.56	22.00
	DFT-s-OFDM 64QAM	1	1	21.37	21.34	21.51	22.00
	DFT-s-OFDM 256QAM	1	1	21.57	21.96	21.78	22.00
	CP-OFDM QPSK	1	1	21.52	21.64	21.77	22.00
	CP-OFDM 16QAM	1	1	21.79	21.74	21.95	22.00
	CP-OFDM 64QAM	1	1	21.50	21.63	21.67	22.00
	CP-OFDM 256QAM	1	1	19.92	20.08	19.95	20.50

N77-ANT3 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	13.80	14.63	15.14	15.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	13.81	14.83	14.84	15.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	13.70	15.06	15.40	15.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	13.51	14.82	15.19	15.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	13.82	14.90	15.15	15.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	13.74	14.76	15.17	15.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	13.70	14.60	15.08	15.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	13.88	15.00	15.17	15.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	13.70	14.78	15.34	15.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	14.66	14.88	14.83	15.50
		1	137	15.20	15.22	15.24	15.50
		1	271	13.82	14.11	14.20	15.50
	DFT-s-OFDM BPSK	135	0	15.06	15.25	15.35	15.50
		135	69	15.19	15.22	15.36	15.50
		135	138	15.25	15.18	15.16	15.50
	DFT-s-OFDM BPSK	270	0	15.33	15.18	15.47	15.50
	DFT-s-OFDM QPSK	1	1	14.66	14.67	14.71	15.50
		1	137	14.81	15.12	15.11	15.50
		1	271	14.40	14.41	14.48	15.50
	DFT-s-OFDM QPSK	135	0	14.94	15.01	15.21	15.50
		135	69	14.91	14.98	15.22	15.50
		135	138	14.90	15.17	15.02	15.50
	DFT-s-OFDM QPSK	270	0	15.10	15.13	15.33	15.50
	DFT-s-OFDM 16QAM	1	1	15.10	15.28	15.25	15.50
	DFT-s-OFDM 64QAM	1	1	14.82	14.90	14.92	15.50
	DFT-s-OFDM 256QAM	1	1	15.42	15.10	15.32	15.50
	CP-OFDM QPSK	1	1	15.22	15.41	15.35	15.50
	CP-OFDM 16QAM	1	1	15.18	15.16	15.31	15.50
	CP-OFDM 64QAM	1	1	14.94	14.94	14.84	15.50
	CP-OFDM 256QAM	1	1	14.21	14.50	14.37	15.50

N77-ANT8 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	22.57	24.41	23.04	24.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	22.67	24.36	24.28	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	22.71	24.11	22.80	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	22.68	24.23	22.82	24.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	22.66	24.28	23.23	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	22.56	24.16	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	22.70	24.46	22.96	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	22.65	24.18	22.80	24.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	22.65	24.18	23.01	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	24.19	24.41	24.41	24.50
		1	137	24.34	24.46	24.51	24.50
		1	271	23.29	23.42	23.33	24.50
	DFT-s-OFDM BPSK	135	0	23.86	24.04	24.10	24.50
		135	69	24.08	24.12	24.34	24.50
		135	138	23.78	24.01	24.01	24.50
	DFT-s-OFDM BPSK	270	0	24.05	24.31	24.15	24.50
	DFT-s-OFDM QPSK	1	1	24.12	24.14	24.23	24.50
		1	137	24.09	24.10	24.26	24.50
		1	271	22.74	22.98	22.91	24.50
	DFT-s-OFDM QPSK	135	0	24.06	24.24	24.04	24.50
		135	69	24.18	24.10	24.27	24.50
		135	138	23.72	23.72	23.83	24.50
	DFT-s-OFDM QPSK	270	0	23.93	23.87	23.95	24.50
	DFT-s-OFDM 16QAM	1	1	22.94	23.13	23.23	23.50
	DFT-s-OFDM 64QAM	1	1	21.48	21.52	21.54	23.00
	DFT-s-OFDM 256QAM	1	1	20.05	20.05	20.05	22.00
	CP-OFDM QPSK	1	1	22.42	22.46	22.59	23.00
	CP-OFDM 16QAM	1	1	22.38	22.51	22.45	23.00
	CP-OFDM 64QAM	1	1	20.63	20.73	20.96	22.50
	CP-OFDM 256QAM	1	1	17.97	17.88	17.86	19.50

N77-ANT8 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	21.19	22.60	21.64	23.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	21.09	22.71	22.70	23.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	21.28	22.58	21.47	23.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	21.27	22.71	21.40	23.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	21.07	22.90	21.83	23.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	21.28	22.98	21.49	23.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	21.25	22.90	21.65	23.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	21.12	22.84	21.16	23.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	21.17	22.53	21.54	23.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	22.86	22.82	22.94	23.00
		1	137	22.68	22.79	22.69	23.00
		1	271	21.60	21.85	21.76	23.00
	DFT-s-OFDM BPSK	135	0	22.24	22.50	22.51	23.00
		135	69	22.58	22.85	22.87	23.00
		135	138	22.28	22.44	22.29	23.00
	DFT-s-OFDM BPSK	270	0	22.82	22.76	23.07	23.00
	DFT-s-OFDM QPSK	1	1	22.52	22.65	22.59	23.00
		1	137	22.54	22.84	22.62	23.00
		1	271	21.38	21.38	21.33	23.00
	DFT-s-OFDM QPSK	135	0	22.36	22.49	22.55	23.00
		135	69	22.55	22.62	22.57	23.00
		135	138	22.11	22.38	22.11	23.00
	DFT-s-OFDM QPSK	270	0	22.07	22.24	22.38	23.00
	DFT-s-OFDM 16QAM	1	1	22.44	22.49	22.53	23.00
	DFT-s-OFDM 64QAM	1	1	21.61	21.64	21.68	23.00
	DFT-s-OFDM 256QAM	1	1	20.03	20.39	20.38	22.00
	CP-OFDM QPSK	1	1	22.43	22.40	22.51	23.00
	CP-OFDM 16QAM	1	1	22.30	22.60	22.33	23.00
	CP-OFDM 64QAM	1	1	20.88	20.83	20.90	22.50
	CP-OFDM 256QAM	1	1	17.83	17.99	18.05	19.50

N77-ANT8 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	22.57	24.41	23.04	24.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	22.67	24.36	24.28	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	22.71	24.11	22.80	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	22.68	24.23	22.82	24.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	22.66	24.28	23.23	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	22.56	24.16	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	22.70	24.46	22.96	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	22.65	24.18	22.80	24.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	22.65	24.18	23.01	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	24.19	24.41	24.41	24.50
		1	137	24.34	24.46	24.51	24.50
		1	271	23.29	23.42	23.33	24.50
	DFT-s-OFDM BPSK	135	0	23.86	24.04	24.10	24.50
		135	69	24.08	24.12	24.34	24.50
		135	138	23.78	24.01	24.01	24.50
	DFT-s-OFDM BPSK	270	0	24.05	24.31	24.15	24.50
	DFT-s-OFDM QPSK	1	1	24.12	24.14	24.23	24.50
		1	137	24.09	24.10	24.26	24.50
		1	271	22.74	22.98	22.91	24.50
	DFT-s-OFDM QPSK	135	0	24.06	24.24	24.04	24.50
		135	69	24.18	24.10	24.27	24.50
		135	138	23.72	23.72	23.83	24.50
	DFT-s-OFDM QPSK	270	0	23.93	23.87	23.95	24.50
	DFT-s-OFDM 16QAM	1	1	22.94	23.13	23.23	23.50
	DFT-s-OFDM 64QAM	1	1	21.48	21.52	21.54	23.00
	DFT-s-OFDM 256QAM	1	1	20.05	20.05	20.05	22.00
	CP-OFDM QPSK	1	1	22.42	22.46	22.59	23.00
	CP-OFDM 16QAM	1	1	22.38	22.51	22.45	23.00
	CP-OFDM 64QAM	1	1	20.63	20.73	20.96	22.50
	CP-OFDM 256QAM	1	1	17.97	17.88	17.86	19.50

N77-ANT8 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB
		RB Size	RB offest	3705	3840	3975	
10	DFT-s-OFDM QPSK	1	1	20.16	21.88	20.39	22.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB
		RB Size	RB offest	3707.52	3840	3972.48	
15	DFT-s-OFDM QPSK	1	1	20.23	21.96	21.81	22.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	20.29	21.51	20.31	22.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	20.19	21.85	20.37	22.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	20.01	21.67	20.71	22.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	20.14	21.69	20.64	22.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB
		RB Size	RB offest	3735.02	3840	3944.99	
70	DFT-s-OFDM QPSK	1	1	20.34	21.61	20.54	22.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	20.18	21.68	20.30	22.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	20.18	21.68	20.70	22.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB
		RB Size	RB offest	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.84	21.86	21.94	22.00
		1	137	20.33	20.37	20.52	22.00
		1	271	20.73	20.71	20.77	22.00
	DFT-s-OFDM BPSK	135	0	21.21	21.37	21.58	22.00
		135	69	21.59	21.74	21.68	22.00
		135	138	21.47	21.48	21.52	22.00
	DFT-s-OFDM BPSK	270	0	21.72	21.76	22.00	22.00
	DFT-s-OFDM QPSK	1	1	21.83	21.92	21.76	22.00
		1	137	21.75	21.85	21.81	22.00
		1	271	20.28	20.61	20.40	22.00
	DFT-s-OFDM QPSK	135	0	21.40	21.73	21.54	22.00
		135	69	21.51	21.62	21.39	22.00
		135	138	21.21	21.32	21.38	22.00
	DFT-s-OFDM QPSK	270	0	21.21	21.48	21.35	22.00
	DFT-s-OFDM 16QAM	1	1	21.38	21.46	21.42	22.00
	DFT-s-OFDM 64QAM	1	1	20.22	20.29	20.30	22.00
	DFT-s-OFDM 256QAM	1	1	20.06	20.14	19.98	22.00
	CP-OFDM QPSK	1	1	21.50	21.74	21.53	22.00
	CP-OFDM 16QAM	1	1	21.48	21.72	21.61	22.00
	CP-OFDM 64QAM	1	1	20.86	21.04	21.05	22.00
	CP-OFDM 256QAM	1	1	17.87	18.14	17.88	19.50

N78-ANT5 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	24.26	23.99	24.64	25.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	24.13	24.13	24.03	25.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.10	24.08	24.96	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.05	23.91	24.86	25.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	24.19	23.98	24.68	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.17	24.03	24.88	25.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	23.96	24.00	24.80	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	23.95	24.13	24.93	25.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.11	23.88	24.80	25.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	24.08	/	25.50
		1	137	/	24.92	/	25.50
		1	271	/	24.29	/	25.50
	DFT-s-OFDM BPSK	135	0	/	24.55	/	25.50
		135	69	/	24.50	/	25.50
		135	138	/	24.66	/	25.50
	DFT-s-OFDM BPSK	270	0	/	24.52	/	25.50
	DFT-s-OFDM QPSK	1	1	/	24.01	/	25.50
		1	137	/	24.45	/	25.50
		1	271	/	24.28	/	25.50
	DFT-s-OFDM QPSK	135	0	/	24.41	/	25.50
		135	69	/	24.40	/	25.50
		135	138	/	24.41	/	25.50
	DFT-s-OFDM QPSK	270	0	/	24.45	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.36	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.90	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.43	/	21.00
	CP-OFDM QPSK	1	1	/	23.12	/	24.00
	CP-OFDM 16QAM	1	1	/	22.84	/	23.50
	CP-OFDM 64QAM	1	1	/	21.17	/	22.00
	CP-OFDM 256QAM	1	1	/	17.83	/	19.00

N77-ANT5 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	16.55	16.76	17.40	18.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	16.54	16.98	16.80	18.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	16.67	16.92	17.63	18.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	16.63	16.91	17.30	18.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	16.59	16.92	17.41	18.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	16.60	16.80	17.35	18.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	16.75	17.14	17.58	18.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	16.57	16.96	17.42	18.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	16.70	17.11	17.48	18.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	16.91	/	18.50
		1	137	/	17.91	/	18.50
		1	271	/	17.04	/	18.50
	DFT-s-OFDM BPSK	135	0	/	17.71	/	18.50
		135	69	/	17.92	/	18.50
		135	138	/	17.75	/	18.50
	DFT-s-OFDM BPSK	270	0	/	17.72	/	18.50
	DFT-s-OFDM QPSK	1	1	/	16.95	/	18.50
		1	137	/	17.88	/	18.50
		1	271	/	17.04	/	18.50
	DFT-s-OFDM QPSK	135	0	/	17.73	/	18.50
		135	69	/	17.97	/	18.50
		135	138	/	17.79	/	18.50
	DFT-s-OFDM QPSK	270	0	/	17.70	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	16.67	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	16.74	/	18.50
	DFT-s-OFDM 256QAM	1	1	/	17.36	/	18.50
	CP-OFDM QPSK	1	1	/	16.94	/	18.50
	CP-OFDM 16QAM	1	1	/	17.21	/	18.50
	CP-OFDM 64QAM	1	1	/	17.03	/	18.50
	CP-OFDM 256QAM	1	1	/	16.74	/	18.50

N77-ANT5 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	24.26	23.99	24.64	25.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	24.13	24.13	24.03	25.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.10	24.08	24.96	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.05	23.91	24.86	25.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	24.19	23.98	24.68	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.17	24.03	24.88	25.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	23.96	24.00	24.80	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	23.95	24.13	24.93	25.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.11	23.88	24.80	25.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	24.08	/	25.50
		1	137	/	24.92	/	25.50
		1	271	/	24.29	/	25.50
	DFT-s-OFDM BPSK	135	0	/	24.55	/	25.50
		135	69	/	24.50	/	25.50
		135	138	/	24.66	/	25.50
	DFT-s-OFDM BPSK	270	0	/	24.52	/	25.50
	DFT-s-OFDM QPSK	1	1	/	24.01	/	25.50
		1	137	/	24.45	/	25.50
		1	271	/	24.28	/	25.50
	DFT-s-OFDM QPSK	135	0	/	24.41	/	25.50
		135	69	/	24.40	/	25.50
		135	138	/	24.41	/	25.50
	DFT-s-OFDM QPSK	270	0	/	24.45	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.36	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.90	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.43	/	21.00
	CP-OFDM QPSK	1	1	/	23.12	/	24.00
	CP-OFDM 16QAM	1	1	/	22.84	/	23.50
	CP-OFDM 64QAM	1	1	/	21.17	/	22.00
	CP-OFDM 256QAM	1	1	/	17.83	/	19.00

N77-ANT5 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	15.53	15.86	16.36	17.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	15.77	15.85	15.97	17.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	15.75	15.72	16.53	17.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	15.61	16.05	16.54	17.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	15.75	15.83	16.49	17.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	15.73	15.67	16.41	17.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	15.61	15.70	16.51	17.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	15.82	15.96	16.15	17.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	15.54	15.76	16.48	17.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	15.86	/	17.50
		1	137	/	16.93	/	17.50
		1	271	/	15.97	/	17.50
	DFT-s-OFDM BPSK	135	0	/	16.72	/	17.50
		135	69	/	16.89	/	17.50
		135	138	/	16.75	/	17.50
	DFT-s-OFDM BPSK	270	0	/	16.71	/	17.50
	DFT-s-OFDM QPSK	1	1	/	15.86	/	17.50
		1	137	/	16.89	/	17.50
		1	271	/	16.00	/	17.50
	DFT-s-OFDM QPSK	135	0	/	16.66	/	17.50
		135	69	/	16.87	/	17.50
		135	138	/	16.72	/	17.50
	DFT-s-OFDM QPSK	270	0	/	16.64	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	15.66	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	15.71	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	16.24	/	17.50
	CP-OFDM QPSK	1	1	/	15.93	/	17.50
	CP-OFDM 16QAM	1	1	/	16.17	/	17.50
	CP-OFDM 64QAM	1	1	/	15.98	/	17.50
	CP-OFDM 256QAM	1	1	/	15.72	/	17.50

N78-ANT5 Full power(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	24.26	23.99	24.64	25.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	24.13	24.13	24.03	25.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.10	24.08	24.96	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.05	23.91	24.86	25.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	24.19	23.98	24.68	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.17	24.03	24.88	25.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	23.96	24.00	24.80	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	23.95	24.13	24.93	25.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.11	23.88	24.80	25.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	24.08	/	25.50
		1	137	/	24.92	/	25.50
		1	271	/	24.29	/	25.50
	DFT-s-OFDM BPSK	135	0	/	24.55	/	25.50
		135	69	/	24.50	/	25.50
		135	138	/	24.66	/	25.50
	DFT-s-OFDM BPSK	270	0	/	24.52	/	25.50
	DFT-s-OFDM QPSK	1	1	/	24.01	/	25.50
		1	137	/	24.45	/	25.50
		1	271	/	24.28	/	25.50
	DFT-s-OFDM QPSK	135	0	/	24.41	/	25.50
		135	69	/	24.40	/	25.50
		135	138	/	24.41	/	25.50
	DFT-s-OFDM QPSK	270	0	/	24.45	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.36	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.90	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.43	/	21.00
	CP-OFDM QPSK	1	1	/	23.12	/	24.00
	CP-OFDM 16QAM	1	1	/	22.84	/	23.50
	CP-OFDM 64QAM	1	1	/	21.17	/	22.00
	CP-OFDM 256QAM	1	1	/	17.83	/	19.00

N77-ANT5 Level1(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	15.07	15.34	15.92	17.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	15.26	15.40	15.28	17.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	15.20	15.46	16.10	17.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	15.07	15.34	15.82	17.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	15.13	15.41	15.87	17.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	15.11	15.31	15.91	17.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	15.24	15.64	16.00	17.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	15.20	15.38	15.97	17.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	15.18	15.59	16.06	17.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	15.36	/	17.00
		1	137	/	16.46	/	17.00
		1	271	/	15.53	/	17.00
	DFT-s-OFDM BPSK	135	0	/	16.24	/	17.00
		135	69	/	16.45	/	17.00
		135	138	/	16.24	/	17.00
	DFT-s-OFDM BPSK	270	0	/	16.26	/	17.00
	DFT-s-OFDM QPSK	1	1	/	15.39	/	17.00
		1	137	/	16.43	/	17.00
		1	271	/	15.61	/	17.00
	DFT-s-OFDM QPSK	135	0	/	16.30	/	17.00
		135	69	/	16.49	/	17.00
		135	138	/	16.25	/	17.00
	DFT-s-OFDM QPSK	270	0	/	16.25	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	15.17	/	17.00
	DFT-s-OFDM 64QAM	1	1	/	15.29	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	15.80	/	17.00
	CP-OFDM QPSK	1	1	/	15.40	/	17.00
	CP-OFDM 16QAM	1	1	/	15.70	/	17.00
	CP-OFDM 64QAM	1	1	/	15.52	/	17.00
	CP-OFDM 256QAM	1	1	/	15.17	/	17.00

N77-ANT5 Level2(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	22.54	22.94	22.76	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	22.62	22.92	22.56	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	22.56	22.76	22.56	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	22.51	22.80	22.74	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	22.60	22.78	22.83	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	22.57	22.86	22.79	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	22.69	22.75	22.75	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	22.52	22.68	22.76	24.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	22.58	22.95	22.79	24.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	23.18	/	24.50
		1	137	/	23.53	/	24.50
		1	271	/	22.86	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.51	/	24.50
		135	69	/	23.38	/	24.50
		135	138	/	23.35	/	24.50
	DFT-s-OFDM BPSK	270	0	/	23.01	/	24.50
	DFT-s-OFDM QPSK	1	1	/	22.76	/	24.50
		1	137	/	23.49	/	24.50
		1	271	/	22.74	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.46	/	24.50
		135	69	/	23.36	/	24.50
		135	138	/	23.48	/	24.50
	DFT-s-OFDM QPSK	270	0	/	23.42	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.44	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.91	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.41	/	21.00
	CP-OFDM QPSK	1	1	/	22.88	/	24.00
	CP-OFDM 16QAM	1	1	/	22.30	/	23.50
	CP-OFDM 64QAM	1	1	/	20.98	/	22.00
	CP-OFDM 256QAM	1	1	/	18.01	/	19.00

N77-ANT5 Level3(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	14.16	14.44	14.83	16.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	14.20	14.27	14.40	16.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	14.32	14.24	15.10	16.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	14.03	14.62	15.01	16.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	14.20	14.28	15.04	16.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	14.27	14.16	14.99	16.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	14.12	14.21	14.94	16.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	14.35	14.44	14.63	16.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	14.12	14.19	14.98	16.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	14.44	/	16.00
		1	137	/	15.47	/	16.00
		1	271	/	14.51	/	16.00
	DFT-s-OFDM BPSK	135	0	/	15.22	/	16.00
		135	69	/	15.36	/	16.00
		135	138	/	15.26	/	16.00
	DFT-s-OFDM BPSK	270	0	/	15.13	/	16.00
	DFT-s-OFDM QPSK	1	1	/	14.29	/	16.00
		1	137	/	15.38	/	16.00
		1	271	/	14.43	/	16.00
	DFT-s-OFDM QPSK	135	0	/	15.15	/	16.00
		135	69	/	15.32	/	16.00
		135	138	/	15.29	/	16.00
	DFT-s-OFDM QPSK	270	0	/	15.11	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	14.18	/	16.00
	DFT-s-OFDM 64QAM	1	1	/	14.21	/	16.00
	DFT-s-OFDM 256QAM	1	1	/	14.80	/	16.00
	CP-OFDM QPSK	1	1	/	14.43	/	16.00
	CP-OFDM 16QAM	1	1	/	14.69	/	16.00
	CP-OFDM 64QAM	1	1	/	14.55	/	16.00
	CP-OFDM 256QAM	1	1	/	14.17	/	16.00

N77-ANT5 Level4(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	21.53	22.09	21.99	23.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	21.52	22.18	21.79	23.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	21.67	22.08	21.77	23.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	21.79	21.92	21.90	23.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	21.70	22.02	21.97	23.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	21.75	22.11	21.89	23.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	21.64	21.90	22.08	23.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	21.64	21.85	21.92	23.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	21.71	22.17	21.92	23.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	22.35	/	23.50
		1	137	/	22.62	/	23.50
		1	271	/	22.00	/	23.50
	DFT-s-OFDM BPSK	135	0	/	22.75	/	23.50
		135	69	/	22.64	/	23.50
		135	138	/	22.46	/	23.50
	DFT-s-OFDM BPSK	270	0	/	22.29	/	23.50
	DFT-s-OFDM QPSK	1	1	/	21.97	/	23.50
		1	137	/	22.62	/	23.50
		1	271	/	21.85	/	23.50
	DFT-s-OFDM QPSK	135	0	/	22.68	/	23.50
		135	69	/	22.62	/	23.50
		135	138	/	22.66	/	23.50
	DFT-s-OFDM QPSK	270	0	/	22.52	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.64	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	21.95	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	20.40	/	20.50
	CP-OFDM QPSK	1	1	/	22.07	/	23.00
	CP-OFDM 16QAM	1	1	/	21.58	/	22.50
	CP-OFDM 64QAM	1	1	/	20.76	/	21.00
	CP-OFDM 256QAM	1	1	/	17.97	/	18.00

N78-ANT2 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	20.65	21.81	21.84	22.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	20.90	21.64	21.78	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	20.67	21.90	21.88	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	20.89	21.82	21.60	22.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	20.66	21.88	21.74	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	20.55	21.91	21.66	22.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	20.53	22.02	21.64	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	20.71	21.78	21.63	22.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	20.52	21.94	21.79	22.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	21.81	/	22.50
		1	137	/	22.04	/	22.50
		1	271	/	21.38	/	22.50
	DFT-s-OFDM BPSK	135	0	/	22.24	/	22.50
		135	69	/	21.94	/	22.50
		135	138	/	21.74	/	22.50
	DFT-s-OFDM BPSK	270	0	/	22.03	/	23.00
	DFT-s-OFDM QPSK	1	1	/	21.83	/	22.50
		1	137	/	21.89	/	22.50
		1	271	/	20.98	/	22.50
	DFT-s-OFDM QPSK	135	0	/	21.77	/	22.50
		135	69	/	21.45	/	22.50
		135	138	/	21.33	/	22.50
	DFT-s-OFDM QPSK	270	0	/	21.48	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.30	/	21.50
	DFT-s-OFDM 64QAM	1	1	/	20.54	/	21.00
	DFT-s-OFDM 256QAM	1	1	/	21.39	/	22.00
	CP-OFDM QPSK	1	1	/	20.85	/	21.50
	CP-OFDM 16QAM	1	1	/	21.01	/	21.50
	CP-OFDM 64QAM	1	1	/	20.82	/	21.50
	CP-OFDM 256QAM	1	1	/	19.35	/	20.00

N78-ANT2 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	18.70	18.42	18.69	20.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	19.06	18.54	18.68	20.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	18.75	18.32	18.40	20.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	18.84	18.58	18.67	20.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	19.03	18.50	18.37	20.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	18.77	18.43	18.54	20.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	18.73	18.70	18.42	20.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	18.82	18.50	18.68	20.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	18.74	18.67	18.49	20.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	18.34	/	20.00
		1	137	/	19.03	/	20.00
		1	271	/	18.23	/	20.00
	DFT-s-OFDM BPSK	135	0	/	18.97	/	20.00
		135	69	/	19.02	/	20.00
		135	138	/	18.67	/	20.00
	DFT-s-OFDM BPSK	270	0	/	18.83	/	20.00
	DFT-s-OFDM QPSK	1	1	/	18.50	/	20.00
		1	137	/	18.96	/	20.00
		1	271	/	18.06	/	20.00
	DFT-s-OFDM QPSK	135	0	/	19.15	/	20.00
		135	69	/	19.14	/	20.00
		135	138	/	18.64	/	20.00
	DFT-s-OFDM QPSK	270	0	/	18.50	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	18.10	/	20.00
	DFT-s-OFDM 64QAM	1	1	/	18.21	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	18.72	/	20.00
	CP-OFDM QPSK	1	1	/	18.39	/	20.00
	CP-OFDM 16QAM	1	1	/	18.64	/	20.00
	CP-OFDM 64QAM	1	1	/	18.45	/	20.00
	CP-OFDM 256QAM	1	1	/	18.18	/	20.00

N78-ANT2 Level2&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	18.00	17.58	17.25	19.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	18.05	17.40	17.34	19.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	17.75	17.60	17.28	19.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	17.91	17.37	17.28	19.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	17.85	17.44	17.46	19.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	17.95	17.64	17.45	19.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	17.87	17.39	17.61	19.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	17.90	17.44	17.44	19.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	17.69	17.39	17.45	19.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	17.37	/	19.00
		1	137	/	18.02	/	19.00
		1	271	/	17.00	/	19.00
	DFT-s-OFDM BPSK	135	0	/	17.96	/	19.00
		135	69	/	18.02	/	19.00
		135	138	/	17.75	/	19.00
	DFT-s-OFDM BPSK	270	0	/	17.93	/	19.00
	DFT-s-OFDM QPSK	1	1	/	17.49	/	19.00
		1	137	/	18.01	/	19.00
		1	271	/	17.14	/	19.00
	DFT-s-OFDM QPSK	135	0	/	18.12	/	19.00
		135	69	/	18.07	/	19.00
		135	138	/	17.54	/	19.00
	DFT-s-OFDM QPSK	270	0	/	17.47	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	17.08	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	17.16	/	19.00
	DFT-s-OFDM 256QAM	1	1	/	17.69	/	19.00
	CP-OFDM QPSK	1	1	/	17.29	/	19.00
	CP-OFDM 16QAM	1	1	/	17.55	/	19.00
	CP-OFDM 64QAM	1	1	/	17.55	/	19.00
	CP-OFDM 256QAM	1	1	/	17.22	/	19.00

N78-ANT2 Level4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	16.97	16.92	16.32	18.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	16.93	16.81	16.29	18.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	16.98	16.57	16.40	18.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	16.64	16.90	16.61	18.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	16.83	16.62	16.45	18.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	16.59	16.84	16.51	18.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	16.73	16.60	16.40	18.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	16.78	16.90	16.47	18.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	16.63	16.77	16.35	18.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	16.62	/	18.00
		1	137	/	17.11	/	18.00
		1	271	/	16.23	/	18.00
	DFT-s-OFDM BPSK	135	0	/	17.17	/	18.00
		135	69	/	17.06	/	18.00
		135	138	/	16.95	/	18.00
	DFT-s-OFDM BPSK	270	0	/	17.18	/	18.00
	DFT-s-OFDM QPSK	1	1	/	16.77	/	18.00
		1	137	/	17.27	/	18.00
		1	271	/	16.41	/	18.00
	DFT-s-OFDM QPSK	135	0	/	17.34	/	18.00
		135	69	/	17.10	/	18.00
		135	138	/	16.60	/	18.00
	DFT-s-OFDM QPSK	270	0	/	16.57	/	18.00
	DFT-s-OFDM 16QAM	1	1	/	16.19	/	18.00
	DFT-s-OFDM 64QAM	1	1	/	16.45	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	16.93	/	18.00
	CP-OFDM QPSK	1	1	/	16.54	/	18.00
	CP-OFDM 16QAM	1	1	/	16.70	/	18.00
	CP-OFDM 64QAM	1	1	/	16.76	/	18.00
	CP-OFDM 256QAM	1	1	/	16.36	/	18.00

N78-ANT3 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	20.58	20.99	21.70	22.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	20.94	21.01	21.89	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	20.66	21.03	21.70	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	20.61	20.70	21.79	22.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	20.96	20.76	21.65	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	20.89	20.90	21.75	22.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	20.65	20.70	21.93	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	20.68	20.71	21.75	22.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	20.88	20.87	21.71	22.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	21.62	/	22.50
		1	137	/	21.97	/	22.50
		1	271	/	21.39	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.73	/	22.50
		135	69	/	21.52	/	22.50
		135	138	/	21.56	/	22.50
	DFT-s-OFDM BPSK	270	0	/	21.50	/	22.50
	DFT-s-OFDM QPSK	1	1	/	21.37	/	22.50
		1	137	/	21.39	/	22.50
		1	271	/	21.05	/	22.50
	DFT-s-OFDM QPSK	135	0	/	21.67	/	22.50
		135	69	/	21.52	/	22.50
		135	138	/	21.47	/	22.50
	DFT-s-OFDM QPSK	270	0	/	21.39	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.28	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	21.42	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	21.56	/	22.50
	CP-OFDM QPSK	1	1	/	21.41	/	22.50
	CP-OFDM 16QAM	1	1	/	21.62	/	22.50
	CP-OFDM 64QAM	1	1	/	21.51	/	22.50
	CP-OFDM 256QAM	1	1	/	19.62	/	21.00

N78-ANT3 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	14.60	14.90	15.34	16.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	15.00	14.94	15.44	16.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	14.50	14.94	15.19	16.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	14.50	14.58	15.29	16.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	14.96	14.89	15.15	16.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	14.78	14.98	15.35	16.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	14.55	14.68	15.41	16.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	14.79	14.59	15.28	16.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	14.74	14.74	15.36	16.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	15.67	/	16.50
		1	137	/	15.85	/	16.50
		1	271	/	15.43	/	16.50
	DFT-s-OFDM BPSK	135	0	/	15.67	/	16.50
		135	69	/	15.47	/	16.50
		135	138	/	15.56	/	16.50
	DFT-s-OFDM BPSK	270	0	/	15.49	/	16.50
	DFT-s-OFDM QPSK	1	1	/	15.26	/	16.50
		1	137	/	15.44	/	16.50
		1	271	/	15.02	/	16.50
	DFT-s-OFDM QPSK	135	0	/	15.74	/	16.50
		135	69	/	15.51	/	16.50
		135	138	/	15.41	/	16.50
	DFT-s-OFDM QPSK	270	0	/	15.51	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	15.68	/	16.50
	DFT-s-OFDM 64QAM	1	1	/	15.94	/	16.50
	DFT-s-OFDM 256QAM	1	1	/	16.09	/	16.50
	CP-OFDM QPSK	1	1	/	16.02	/	16.50
	CP-OFDM 16QAM	1	1	/	15.99	/	16.50
	CP-OFDM 64QAM	1	1	/	16.16	/	16.50
	CP-OFDM 256QAM	1	1	/	15.15	/	16.50

N78-ANT3 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	20.58	20.99	21.70	22.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	20.94	21.01	21.89	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	20.66	21.03	21.70	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	20.61	20.70	21.79	22.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	20.96	20.76	21.65	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	20.89	20.90	21.75	22.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	20.65	20.70	21.93	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	20.68	20.71	21.75	22.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	20.88	20.87	21.71	22.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	21.62	/	22.50
		1	137	/	21.97	/	22.50
		1	271	/	21.39	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.73	/	22.50
		135	69	/	21.52	/	22.50
		135	138	/	21.56	/	22.50
	DFT-s-OFDM BPSK	270	0	/	21.50	/	22.50
	DFT-s-OFDM QPSK	1	1	/	21.37	/	22.50
		1	137	/	21.39	/	22.50
		1	271	/	21.05	/	22.50
	DFT-s-OFDM QPSK	135	0	/	21.67	/	22.50
		135	69	/	21.52	/	22.50
		135	138	/	21.47	/	22.50
	DFT-s-OFDM QPSK	270	0	/	21.39	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.28	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	21.42	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	21.56	/	22.50
	CP-OFDM QPSK	1	1	/	21.41	/	22.50
	CP-OFDM 16QAM	1	1	/	21.62	/	22.50
	CP-OFDM 64QAM	1	1	/	21.51	/	22.50
	CP-OFDM 256QAM	1	1	/	19.62	/	21.00

N78-ANT3 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	13.61	14.13	14.25	15.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	13.97	14.02	14.50	15.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	13.81	13.99	14.31	15.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	13.63	13.82	14.13	15.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	14.00	13.83	14.24	15.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	14.00	13.94	14.41	15.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	13.74	13.61	14.52	15.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	13.78	13.59	14.37	15.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	13.74	13.90	14.30	15.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	14.77	/	15.50
		1	137	/	14.81	/	15.50
		1	271	/	14.43	/	15.50
	DFT-s-OFDM BPSK	135	0	/	14.85	/	15.50
		135	69	/	14.58	/	15.50
		135	138	/	14.44	/	15.50
	DFT-s-OFDM BPSK	270	0	/	14.62	/	15.50
	DFT-s-OFDM QPSK	1	1	/	14.25	/	15.50
		1	137	/	14.27	/	15.50
		1	271	/	14.41	/	15.50
	DFT-s-OFDM QPSK	135	0	/	14.83	/	15.50
		135	69	/	14.62	/	15.50
		135	138	/	14.58	/	15.50
	DFT-s-OFDM QPSK	270	0	/	14.52	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.70	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	15.07	/	15.50
	DFT-s-OFDM 256QAM	1	1	/	15.01	/	15.50
	CP-OFDM QPSK	1	1	/	15.05	/	15.50
	CP-OFDM 16QAM	1	1	/	14.98	/	15.50
	CP-OFDM 64QAM	1	1	/	15.00	/	15.50
	CP-OFDM 256QAM	1	1	/	14.09	/	15.50

N78-ANT8 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	22.96	22.70	24.11	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	22.62	22.69	24.00	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	22.74	22.89	24.14	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	22.84	22.71	23.94	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	22.82	22.75	24.04	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	22.92	22.85	23.97	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	22.64	22.79	24.25	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	22.74	22.75	24.24	24.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	22.81	22.60	24.05	24.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	22.98	/	24.50
		1	137	/	23.58	/	24.50
		1	271	/	23.12	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.30	/	24.50
		135	69	/	23.38	/	24.50
		135	138	/	23.76	/	24.50
	DFT-s-OFDM BPSK	270	0	/	23.54	/	24.50
	DFT-s-OFDM QPSK	1	1	/	22.75	/	24.50
		1	137	/	23.36	/	24.50
		1	271	/	23.12	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.41	/	24.50
		135	69	/	23.48	/	24.50
		135	138	/	23.65	/	24.50
	DFT-s-OFDM QPSK	270	0	/	23.57	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	22.89	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	22.87	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	21.55	/	22.00
	CP-OFDM QPSK	1	1	/	23.42	/	23.50
	CP-OFDM 16QAM	1	1	/	23.40	/	23.50
	CP-OFDM 64QAM	1	1	/	22.20	/	22.50
	CP-OFDM 256QAM	1	1	/	18.96	/	20.00

N78-ANT8 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	22.06	21.68	22.85	23.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	21.59	21.84	22.47	23.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	21.84	22.01	22.58	23.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	21.74	21.72	22.44	23.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	21.97	21.68	22.69	23.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	22.02	21.70	22.44	23.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	21.49	21.95	22.83	23.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	21.79	21.73	22.56	23.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	21.72	21.53	22.45	23.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	22.12	/	23.00
		1	137	/	22.73	/	23.00
		1	271	/	22.14	/	23.00
	DFT-s-OFDM BPSK	135	0	/	22.22	/	23.00
		135	69	/	22.47	/	23.00
		135	138	/	22.81	/	23.00
	DFT-s-OFDM BPSK	270	0	/	22.41	/	23.00
	DFT-s-OFDM QPSK	1	1	/	21.63	/	23.00
		1	137	/	22.51	/	23.00
		1	271	/	22.17	/	23.00
	DFT-s-OFDM QPSK	135	0	/	22.52	/	23.00
		135	69	/	22.58	/	23.00
		135	138	/	22.57	/	23.00
	DFT-s-OFDM QPSK	270	0	/	22.54	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.38	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	22.54	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	21.68	/	22.00
	CP-OFDM QPSK	1	1	/	22.37	/	23.00
	CP-OFDM 16QAM	1	1	/	22.57	/	23.00
	CP-OFDM 64QAM	1	1	/	21.11	/	22.50
	CP-OFDM 256QAM	1	1	/	18.99	/	20.00

N78-ANT8 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	22.96	22.70	24.11	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	22.62	22.69	24.00	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	22.74	22.89	24.14	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	22.84	22.71	23.94	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	22.82	22.75	24.04	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	22.92	22.85	23.97	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	22.64	22.79	24.25	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	22.74	22.75	24.24	24.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	22.81	22.60	24.05	24.50
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	22.98	/	24.50
		1	137	/	23.58	/	24.50
		1	271	/	23.12	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.30	/	24.50
		135	69	/	23.38	/	24.50
		135	138	/	23.76	/	24.50
	DFT-s-OFDM BPSK	270	0	/	23.54	/	24.50
	DFT-s-OFDM QPSK	1	1	/	22.75	/	24.50
		1	137	/	23.36	/	24.50
		1	271	/	23.12	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.41	/	24.50
		135	69	/	23.48	/	24.50
		135	138	/	23.65	/	24.50
	DFT-s-OFDM QPSK	270	0	/	23.57	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	22.89	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	22.87	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	21.55	/	22.00
	CP-OFDM QPSK	1	1	/	23.42	/	23.50
	CP-OFDM 16QAM	1	1	/	23.40	/	23.50
	CP-OFDM 64QAM	1	1	/	22.20	/	22.50
	CP-OFDM 256QAM	1	1	/	18.96	/	20.00

N78-ANT8 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB
		RB Size	RB offest	3455.01	3500.01	3544.98	
10	DFT-s-OFDM QPSK	1	1	20.99	20.76	21.76	22.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB
		RB Size	RB offest	3457.5	3500.01	34522.49	
15	DFT-s-OFDM QPSK	1	1	20.56	20.78	21.39	22.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	20.75	21.03	21.80	22.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	20.71	20.79	21.57	22.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	20.98	20.65	21.59	22.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	21.00	20.74	21.55	22.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	20.70	20.71	21.77	22.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	20.90	20.69	21.81	22.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	20.85	20.57	21.54	22.00
Bandwidth (MHz)	Modulation	Channel			633334		Tune-up power(dB
		RB Size	RB offest		3500.01		
100	DFT-s-OFDM BPSK	1	1	/	20.88	/	22.00
		1	137	/	21.58	/	22.00
		1	271	/	21.13	/	22.00
	DFT-s-OFDM BPSK	135	0	/	21.20	/	22.00
		135	69	/	21.43	/	22.00
		135	138	/	21.64	/	22.00
	DFT-s-OFDM BPSK	270	0	/	21.40	/	22.00
	DFT-s-OFDM QPSK	1	1	/	20.63	/	22.00
		1	137	/	21.22	/	22.00
		1	271	/	21.04	/	22.00
	DFT-s-OFDM QPSK	135	0	/	21.58	/	22.00
		135	69	/	21.52	/	22.00
		135	138	/	21.50	/	22.00
	DFT-s-OFDM QPSK	270	0	/	21.48	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	20.80	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	20.86	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	20.50	/	22.00
	CP-OFDM QPSK	1	1	/	21.39	/	22.00
	CP-OFDM 16QAM	1	1	/	21.46	/	22.00
	CP-OFDM 64QAM	1	1	/	20.21	/	22.00
	CP-OFDM 256QAM	1	1	/	19.01	/	20.00

N78-ANT5 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	24.34	24.02	24.73	25.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	24.10	24.11	24.08	25.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	24.18	23.92	24.97	25.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	24.11	23.95	24.84	25.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	24.22	23.81	24.61	25.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	24.04	24.01	24.91	25.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	24.03	23.94	24.64	25.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	23.89	24.21	24.98	25.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	24.07	23.88	24.72	25.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	24.13	/	25.50
		1	137	/	24.74	/	25.50
		1	271	/	24.13	/	25.50
	DFT-s-OFDM BPSK	135	0	/	24.45	/	25.50
		135	69	/	24.32	/	25.50
		135	138	/	24.72	/	25.50
	DFT-s-OFDM BPSK	270	0	/	24.52	/	25.50
	DFT-s-OFDM QPSK	1	1	/	23.84	/	25.50
		1	137	/	24.45	/	25.50
		1	271	/	24.12	/	25.50
	DFT-s-OFDM QPSK	135	0	/	24.37	/	25.50
		135	69	/	24.40	/	25.50
		135	138	/	24.34	/	25.50
	DFT-s-OFDM QPSK	270	0	/	24.32	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.28	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.92	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.42	/	21.00
	CP-OFDM QPSK	1	1	/	23.08	/	24.00
	CP-OFDM 16QAM	1	1	/	22.92	/	23.50
	CP-OFDM 64QAM	1	1	/	21.17	/	22.00
	CP-OFDM 256QAM	1	1	/	17.79	/	19.00

N77-ANT5 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	16.71	16.86	17.43	18.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	16.66	17.01	16.91	18.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	16.74	17.06	17.67	18.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	16.64	17.01	17.46	18.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	16.78	17.03	17.43	18.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	16.72	16.99	17.52	18.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	16.89	17.17	17.58	18.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	16.72	17.00	17.56	18.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	16.71	17.28	17.49	18.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	16.91	/	18.50
		1	137	/	18.06	/	18.50
		1	271	/	17.21	/	18.50
	DFT-s-OFDM BPSK	135	0	/	17.84	/	18.50
		135	69	/	18.11	/	18.50
		135	138	/	17.76	/	18.50
	DFT-s-OFDM BPSK	270	0	/	17.78	/	18.50
	DFT-s-OFDM QPSK	1	1	/	17.04	/	18.50
		1	137	/	18.05	/	18.50
		1	271	/	17.19	/	18.50
	DFT-s-OFDM QPSK	135	0	/	17.76	/	18.50
		135	69	/	17.97	/	18.50
		135	138	/	17.82	/	18.50
	DFT-s-OFDM QPSK	270	0	/	17.89	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	16.69	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	16.77	/	18.50
	DFT-s-OFDM 256QAM	1	1	/	17.39	/	18.50
	CP-OFDM QPSK	1	1	/	16.95	/	18.50
	CP-OFDM 16QAM	1	1	/	17.26	/	18.50
	CP-OFDM 64QAM	1	1	/	17.14	/	18.50
	CP-OFDM 256QAM	1	1	/	16.86	/	18.50

N77-ANT5 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	24.34	24.02	24.73	25.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	24.10	24.11	24.08	25.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	24.18	23.92	24.97	25.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	24.11	23.95	24.84	25.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	24.22	23.81	24.61	25.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	24.04	24.01	24.91	25.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	24.03	23.94	24.64	25.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	23.89	24.21	24.98	25.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	24.07	23.88	24.72	25.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	24.13	/	25.50
		1	137	/	24.74	/	25.50
		1	271	/	24.13	/	25.50
	DFT-s-OFDM BPSK	135	0	/	24.45	/	25.50
		135	69	/	24.32	/	25.50
		135	138	/	24.72	/	25.50
	DFT-s-OFDM BPSK	270	0	/	24.52	/	25.50
	DFT-s-OFDM QPSK	1	1	/	23.84	/	25.50
		1	137	/	24.45	/	25.50
		1	271	/	24.12	/	25.50
	DFT-s-OFDM QPSK	135	0	/	24.37	/	25.50
		135	69	/	24.40	/	25.50
		135	138	/	24.34	/	25.50
	DFT-s-OFDM QPSK	270	0	/	24.32	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.28	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.92	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.42	/	21.00
	CP-OFDM QPSK	1	1	/	23.08	/	24.00
	CP-OFDM 16QAM	1	1	/	22.92	/	23.50
	CP-OFDM 64QAM	1	1	/	21.17	/	22.00
	CP-OFDM 256QAM	1	1	/	17.79	/	19.00

N77-ANT5 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	15.67	15.98	16.52	17.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	15.96	16.04	16.08	17.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	15.93	15.89	16.71	17.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	15.78	16.20	16.60	17.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	15.75	16.02	16.65	17.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	15.78	15.84	16.56	17.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	15.73	15.73	16.56	17.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	16.01	15.99	16.32	17.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	15.70	15.93	16.48	17.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	16.02	/	17.50
		1	137	/	16.97	/	17.50
		1	271	/	16.01	/	17.50
	DFT-s-OFDM BPSK	135	0	/	16.78	/	17.50
		135	69	/	16.89	/	17.50
		135	138	/	16.83	/	17.50
	DFT-s-OFDM BPSK	270	0	/	16.83	/	17.50
	DFT-s-OFDM QPSK	1	1	/	16.05	/	17.50
		1	137	/	17.06	/	17.50
		1	271	/	16.19	/	17.50
	DFT-s-OFDM QPSK	135	0	/	16.79	/	17.50
		135	69	/	17.02	/	17.50
		135	138	/	16.83	/	17.50
	DFT-s-OFDM QPSK	270	0	/	16.80	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	15.73	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	15.71	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	16.41	/	17.50
	CP-OFDM QPSK	1	1	/	15.97	/	17.50
	CP-OFDM 16QAM	1	1	/	16.20	/	17.50
	CP-OFDM 64QAM	1	1	/	16.08	/	17.50
	CP-OFDM 256QAM	1	1	/	15.89	/	17.50

N78-ANT5 Full power(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	24.34	24.02	24.73	25.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	24.10	24.11	24.08	25.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	24.18	23.92	24.97	25.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	24.11	23.95	24.84	25.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	24.22	23.81	24.61	25.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	24.04	24.01	24.91	25.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	24.03	23.94	24.64	25.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	23.89	24.21	24.98	25.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	24.07	23.88	24.72	25.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	24.13	/	25.50
		1	137	/	24.74	/	25.50
		1	271	/	24.13	/	25.50
	DFT-s-OFDM BPSK	135	0	/	24.45	/	25.50
		135	69	/	24.32	/	25.50
		135	138	/	24.72	/	25.50
	DFT-s-OFDM BPSK	270	0	/	24.52	/	25.50
	DFT-s-OFDM QPSK	1	1	/	23.84	/	25.50
		1	137	/	24.45	/	25.50
		1	271	/	24.12	/	25.50
	DFT-s-OFDM QPSK	135	0	/	24.37	/	25.50
		135	69	/	24.40	/	25.50
		135	138	/	24.34	/	25.50
	DFT-s-OFDM QPSK	270	0	/	24.32	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.28	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.92	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.42	/	21.00
	CP-OFDM QPSK	1	1	/	23.08	/	24.00
	CP-OFDM 16QAM	1	1	/	22.92	/	23.50
	CP-OFDM 64QAM	1	1	/	21.17	/	22.00
	CP-OFDM 256QAM	1	1	/	17.79	/	19.00

N77-ANT5 Level1(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	15.15	15.35	16.11	17.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	15.38	15.42	15.45	17.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	15.31	15.62	16.27	17.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	15.17	15.52	15.83	17.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	15.14	15.60	16.01	17.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	15.25	15.42	16.08	17.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	15.42	15.73	16.05	17.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	15.27	15.41	16.13	17.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	15.36	15.71	16.17	17.00
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	15.55	/	17.00
		1	137	/	16.56	/	17.00
		1	271	/	15.65	/	17.00
	DFT-s-OFDM BPSK	135	0	/	16.24	/	17.00
		135	69	/	16.51	/	17.00
		135	138	/	16.38	/	17.00
	DFT-s-OFDM BPSK	270	0	/	16.40	/	17.00
	DFT-s-OFDM QPSK	1	1	/	15.45	/	17.00
		1	137	/	16.46	/	17.00
		1	271	/	15.77	/	17.00
	DFT-s-OFDM QPSK	135	0	/	16.42	/	17.00
		135	69	/	16.50	/	17.00
		135	138	/	16.44	/	17.00
	DFT-s-OFDM QPSK	270	0	/	16.42	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	15.20	/	17.00
	DFT-s-OFDM 64QAM	1	1	/	15.36	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	15.93	/	17.00
	CP-OFDM QPSK	1	1	/	15.52	/	17.00
	CP-OFDM 16QAM	1	1	/	15.86	/	17.00
	CP-OFDM 64QAM	1	1	/	15.61	/	17.00
	CP-OFDM 256QAM	1	1	/	15.33	/	17.00

N77-ANT5 Level2(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	22.59	22.76	22.75	24.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	22.59	22.96	22.74	24.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	22.69	22.73	22.70	24.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	22.72	22.74	22.81	24.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	22.68	22.79	22.92	24.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	22.85	22.78	22.80	24.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	22.78	22.74	22.77	24.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	22.59	22.54	22.82	24.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	22.72	22.81	22.84	24.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	23.08	/	24.50
		1	137	/	23.52	/	24.50
		1	271	/	22.87	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.46	/	24.50
		135	69	/	23.26	/	24.50
		135	138	/	23.34	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.92	/	24.50
	DFT-s-OFDM QPSK	1	1	/	22.68	/	24.50
		1	137	/	23.41	/	24.50
		1	271	/	22.56	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.55	/	24.50
		135	69	/	23.19	/	24.50
		135	138	/	23.46	/	24.50
	DFT-s-OFDM QPSK	270	0	/	23.51	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.52	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.98	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.29	/	21.00
	CP-OFDM QPSK	1	1	/	22.96	/	24.00
	CP-OFDM 16QAM	1	1	/	22.12	/	23.50
	CP-OFDM 64QAM	1	1	/	20.86	/	22.00
	CP-OFDM 256QAM	1	1	/	18.10	/	19.00

N77-ANT5 Level3(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	14.32	14.62	14.88	16.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	14.36	14.40	14.55	16.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	14.38	14.36	15.12	16.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	14.03	14.67	15.20	16.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	14.21	14.37	15.17	16.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	14.36	14.27	15.10	16.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	14.21	14.22	14.97	16.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	14.50	14.54	14.65	16.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	14.27	14.31	15.09	16.00
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	14.45	/	16.00
		1	137	/	15.55	/	16.00
		1	271	/	14.53	/	16.00
	DFT-s-OFDM BPSK	135	0	/	15.34	/	16.00
		135	69	/	15.50	/	16.00
		135	138	/	15.31	/	16.00
	DFT-s-OFDM BPSK	270	0	/	15.28	/	16.00
	DFT-s-OFDM QPSK	1	1	/	14.42	/	16.00
		1	137	/	15.53	/	16.00
		1	271	/	14.45	/	16.00
	DFT-s-OFDM QPSK	135	0	/	15.26	/	16.00
		135	69	/	15.51	/	16.00
		135	138	/	15.33	/	16.00
	DFT-s-OFDM QPSK	270	0	/	15.19	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	14.29	/	16.00
	DFT-s-OFDM 64QAM	1	1	/	14.32	/	16.00
	DFT-s-OFDM 256QAM	1	1	/	14.80	/	16.00
	CP-OFDM QPSK	1	1	/	14.47	/	16.00
	CP-OFDM 16QAM	1	1	/	14.69	/	16.00
	CP-OFDM 64QAM	1	1	/	14.62	/	16.00
	CP-OFDM 256QAM	1	1	/	14.23	/	16.00

N77-ANT5 Level4(Only for ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	21.85	21.98	22.01	23.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	21.51	22.22	21.61	23.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	21.53	22.00	21.64	23.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	21.80	21.92	21.80	23.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	21.64	22.01	21.98	23.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	21.68	22.18	21.95	23.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	21.56	21.87	22.09	23.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	21.80	21.81	21.85	23.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	21.78	22.19	21.91	23.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	22.24	/	23.50
		1	137	/	22.68	/	23.50
		1	271	/	22.04	/	23.50
	DFT-s-OFDM BPSK	135	0	/	22.73	/	23.50
		135	69	/	22.58	/	23.50
		135	138	/	22.55	/	23.50
	DFT-s-OFDM BPSK	270	0	/	22.17	/	23.50
	DFT-s-OFDM QPSK	1	1	/	21.89	/	23.50
		1	137	/	22.54	/	23.50
		1	271	/	21.88	/	23.50
	DFT-s-OFDM QPSK	135	0	/	22.77	/	23.50
		135	69	/	22.45	/	23.50
		135	138	/	22.48	/	23.50
	DFT-s-OFDM QPSK	270	0	/	22.42	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.48	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	21.70	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	20.38	/	20.50
	CP-OFDM QPSK	1	1	/	22.02	/	23.00
	CP-OFDM 16QAM	1	1	/	21.51	/	22.50
	CP-OFDM 64QAM	1	1	/	20.70	/	21.00
	CP-OFDM 256QAM	1	1	/	17.97	/	18.00

N78-ANT2 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	20.55	21.71	21.90	22.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	20.90	21.54	21.76	22.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	20.71	21.92	21.84	22.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	20.84	21.63	21.69	22.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	20.54	21.78	21.74	22.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	20.66	21.75	21.72	22.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	20.84	22.04	21.56	22.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	20.66	21.73	21.48	22.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	20.64	21.81	21.79	22.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	21.83	/	22.50
		1	137	/	22.10	/	22.50
		1	271	/	21.41	/	22.50
	DFT-s-OFDM BPSK	135	0	/	22.11	/	22.50
		135	69	/	21.81	/	22.50
		135	138	/	21.57	/	22.50
	DFT-s-OFDM BPSK	270	0	/	21.96	/	23.00
	DFT-s-OFDM QPSK	1	1	/	21.87	/	22.50
		1	137	/	21.76	/	22.50
		1	271	/	20.89	/	22.50
	DFT-s-OFDM QPSK	135	0	/	21.61	/	22.50
		135	69	/	21.49	/	22.50
		135	138	/	21.35	/	22.50
	DFT-s-OFDM QPSK	270	0	/	21.45	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.29	/	21.50
	DFT-s-OFDM 64QAM	1	1	/	20.50	/	21.00
	DFT-s-OFDM 256QAM	1	1	/	21.31	/	22.00
	CP-OFDM QPSK	1	1	/	20.92	/	21.50
	CP-OFDM 16QAM	1	1	/	21.10	/	21.50
	CP-OFDM 64QAM	1	1	/	20.74	/	21.50
	CP-OFDM 256QAM	1	1	/	19.20	/	20.00

N78-ANT2 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	18.79	18.46	18.72	20.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	19.04	18.51	18.59	20.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	18.74	18.19	18.23	20.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	18.91	18.63	18.55	20.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	18.87	18.33	18.34	20.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	18.78	18.42	18.37	20.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	18.77	18.63	18.30	20.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	18.89	18.46	18.65	20.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	18.65	18.60	18.57	20.00
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	18.30	/	20.00
		1	137	/	18.97	/	20.00
		1	271	/	18.06	/	20.00
	DFT-s-OFDM BPSK	135	0	/	18.87	/	20.00
		135	69	/	18.92	/	20.00
		135	138	/	18.73	/	20.00
	DFT-s-OFDM BPSK	270	0	/	18.91	/	20.00
	DFT-s-OFDM QPSK	1	1	/	18.42	/	20.00
		1	137	/	18.91	/	20.00
		1	271	/	18.07	/	20.00
	DFT-s-OFDM QPSK	135	0	/	19.03	/	20.00
		135	69	/	19.20	/	20.00
		135	138	/	18.57	/	20.00
	DFT-s-OFDM QPSK	270	0	/	18.49	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	18.17	/	20.00
	DFT-s-OFDM 64QAM	1	1	/	18.27	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	18.63	/	20.00
	CP-OFDM QPSK	1	1	/	18.37	/	20.00
	CP-OFDM 16QAM	1	1	/	18.68	/	20.00
	CP-OFDM 64QAM	1	1	/	18.35	/	20.00
	CP-OFDM 256QAM	1	1	/	18.19	/	20.00

N78-ANT2 Level2&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	17.97	17.51	17.19	19.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	17.93	17.46	17.38	19.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	17.75	17.50	17.35	19.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	17.90	17.22	17.31	19.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	17.69	17.44	17.53	19.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	17.82	17.54	17.40	19.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	17.91	17.36	17.46	19.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	17.85	17.42	17.32	19.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	17.52	17.24	17.26	19.00
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	17.28	/	19.00
		1	137	/	18.11	/	19.00
		1	271	/	17.08	/	19.00
	DFT-s-OFDM BPSK	135	0	/	17.87	/	19.00
		135	69	/	17.91	/	19.00
		135	138	/	17.78	/	19.00
	DFT-s-OFDM BPSK	270	0	/	17.83	/	19.00
	DFT-s-OFDM QPSK	1	1	/	17.48	/	19.00
		1	137	/	17.84	/	19.00
		1	271	/	17.15	/	19.00
	DFT-s-OFDM QPSK	135	0	/	17.93	/	19.00
		135	69	/	17.90	/	19.00
		135	138	/	17.40	/	19.00
	DFT-s-OFDM QPSK	270	0	/	17.49	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	17.24	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	17.03	/	19.00
	DFT-s-OFDM 256QAM	1	1	/	17.74	/	19.00
	CP-OFDM QPSK	1	1	/	17.15	/	19.00
	CP-OFDM 16QAM	1	1	/	17.44	/	19.00
	CP-OFDM 64QAM	1	1	/	17.45	/	19.00
	CP-OFDM 256QAM	1	1	/	17.19	/	19.00

N78-ANT2 Level4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	16.84	16.73	16.29	18.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	16.77	16.87	16.29	18.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	17.01	16.58	16.42	18.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	16.67	16.75	16.49	18.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	16.70	16.53	16.35	18.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	16.46	16.75	16.40	18.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	16.67	16.45	16.37	18.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	16.81	16.89	16.34	18.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	16.52	16.78	16.40	18.00
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	16.57	/	18.00
		1	137	/	17.01	/	18.00
		1	271	/	16.04	/	18.00
	DFT-s-OFDM BPSK	135	0	/	17.03	/	18.00
		135	69	/	16.91	/	18.00
		135	138	/	17.02	/	18.00
	DFT-s-OFDM BPSK	270	0	/	16.99	/	18.00
	DFT-s-OFDM QPSK	1	1	/	16.63	/	18.00
		1	137	/	17.08	/	18.00
		1	271	/	16.48	/	18.00
	DFT-s-OFDM QPSK	135	0	/	17.30	/	18.00
		135	69	/	16.92	/	18.00
		135	138	/	16.67	/	18.00
	DFT-s-OFDM QPSK	270	0	/	16.62	/	18.00
	DFT-s-OFDM 16QAM	1	1	/	16.26	/	18.00
	DFT-s-OFDM 64QAM	1	1	/	16.34	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	16.81	/	18.00
	CP-OFDM QPSK	1	1	/	16.42	/	18.00
	CP-OFDM 16QAM	1	1	/	16.51	/	18.00
	CP-OFDM 64QAM	1	1	/	16.60	/	18.00
	CP-OFDM 256QAM	1	1	/	16.19	/	18.00

N78-ANT3 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	20.60	21.05	21.70	22.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	20.96	20.88	21.94	22.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	20.68	21.07	21.67	22.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	20.65	20.58	21.67	22.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	20.94	20.71	21.60	22.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	20.93	20.85	21.58	22.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	20.69	20.54	21.91	22.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	20.52	20.54	21.82	22.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	20.69	20.76	21.73	22.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	21.61	/	22.50
		1	137	/	21.87	/	22.50
		1	271	/	21.34	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.65	/	22.50
		135	69	/	21.50	/	22.50
		135	138	/	21.63	/	22.50
	DFT-s-OFDM BPSK	270	0	/	21.59	/	22.50
	DFT-s-OFDM QPSK	1	1	/	21.29	/	22.50
		1	137	/	21.24	/	22.50
		1	271	/	21.11	/	22.50
	DFT-s-OFDM QPSK	135	0	/	21.61	/	22.50
		135	69	/	21.38	/	22.50
		135	138	/	21.48	/	22.50
	DFT-s-OFDM QPSK	270	0	/	21.23	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.21	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	21.37	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	21.63	/	22.50
	CP-OFDM QPSK	1	1	/	21.33	/	22.50
	CP-OFDM 16QAM	1	1	/	21.58	/	22.50
	CP-OFDM 64QAM	1	1	/	21.32	/	22.50
	CP-OFDM 256QAM	1	1	/	19.57	/	21.00

N78-ANT3 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	14.51	14.90	15.22	16.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	14.98	14.85	15.45	16.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	14.58	14.85	15.12	16.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	14.65	14.69	15.31	16.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	14.79	14.96	15.00	16.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	14.80	14.94	15.27	16.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	14.63	14.64	15.22	16.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	14.80	14.54	15.22	16.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	14.81	14.56	15.34	16.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	15.63	/	16.50
		1	137	/	15.84	/	16.50
		1	271	/	15.45	/	16.50
	DFT-s-OFDM BPSK	135	0	/	15.48	/	16.50
		135	69	/	15.35	/	16.50
		135	138	/	15.62	/	16.50
	DFT-s-OFDM BPSK	270	0	/	15.36	/	16.50
	DFT-s-OFDM QPSK	1	1	/	15.30	/	16.50
		1	137	/	15.27	/	16.50
		1	271	/	15.03	/	16.50
	DFT-s-OFDM QPSK	135	0	/	15.63	/	16.50
		135	69	/	15.43	/	16.50
		135	138	/	15.45	/	16.50
	DFT-s-OFDM QPSK	270	0	/	15.37	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	15.75	/	16.50
	DFT-s-OFDM 64QAM	1	1	/	15.99	/	16.50
	DFT-s-OFDM 256QAM	1	1	/	15.96	/	16.50
	CP-OFDM QPSK	1	1	/	16.09	/	16.50
	CP-OFDM 16QAM	1	1	/	15.99	/	16.50
	CP-OFDM 64QAM	1	1	/	16.03	/	16.50
	CP-OFDM 256QAM	1	1	/	15.00	/	16.50

N78-ANT3 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	20.60	21.05	21.70	22.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	20.96	20.88	21.94	22.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	20.68	21.07	21.67	22.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	20.65	20.58	21.67	22.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	20.94	20.71	21.60	22.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	20.93	20.85	21.58	22.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	20.69	20.54	21.91	22.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	20.52	20.54	21.82	22.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	20.69	20.76	21.73	22.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	21.61	/	22.50
		1	137	/	21.87	/	22.50
		1	271	/	21.34	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.65	/	22.50
		135	69	/	21.50	/	22.50
		135	138	/	21.63	/	22.50
	DFT-s-OFDM BPSK	270	0	/	21.59	/	22.50
	DFT-s-OFDM QPSK	1	1	/	21.29	/	22.50
		1	137	/	21.24	/	22.50
		1	271	/	21.11	/	22.50
	DFT-s-OFDM QPSK	135	0	/	21.61	/	22.50
		135	69	/	21.38	/	22.50
		135	138	/	21.48	/	22.50
	DFT-s-OFDM QPSK	270	0	/	21.23	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.21	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	21.37	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	21.63	/	22.50
	CP-OFDM QPSK	1	1	/	21.33	/	22.50
	CP-OFDM 16QAM	1	1	/	21.58	/	22.50
	CP-OFDM 64QAM	1	1	/	21.32	/	22.50
	CP-OFDM 256QAM	1	1	/	19.57	/	21.00

N78-ANT3 Level3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	13.69	14.00	14.17	15.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	13.91	13.94	14.56	15.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	13.66	13.80	14.13	15.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	13.84	13.86	14.21	15.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	14.00	13.78	14.32	15.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	13.84	13.95	14.37	15.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	13.78	13.74	14.51	15.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	13.61	13.56	14.34	15.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	13.67	13.72	14.38	15.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	14.72	/	15.50
		1	137	/	14.73	/	15.50
		1	271	/	14.30	/	15.50
	DFT-s-OFDM BPSK	135	0	/	14.91	/	15.50
		135	69	/	14.67	/	15.50
		135	138	/	14.48	/	15.50
	DFT-s-OFDM BPSK	270	0	/	14.69	/	15.50
	DFT-s-OFDM QPSK	1	1	/	14.06	/	15.50
		1	137	/	14.17	/	15.50
		1	271	/	14.25	/	15.50
	DFT-s-OFDM QPSK	135	0	/	14.84	/	15.50
		135	69	/	14.50	/	15.50
		135	138	/	14.44	/	15.50
	DFT-s-OFDM QPSK	270	0	/	14.39	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.61	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	15.07	/	15.50
	DFT-s-OFDM 256QAM	1	1	/	15.00	/	15.50
	CP-OFDM QPSK	1	1	/	14.91	/	15.50
	CP-OFDM 16QAM	1	1	/	14.92	/	15.50
	CP-OFDM 64QAM	1	1	/	14.84	/	15.50
	CP-OFDM 256QAM	1	1	/	14.15	/	15.50

N78-ANT8 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	22.87	22.63	23.99	24.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	22.65	22.68	24.00	24.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	22.71	22.97	24.10	24.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	22.90	22.63	23.89	24.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	22.74	22.80	23.95	24.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	22.80	22.68	23.94	24.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	22.55	22.69	24.22	24.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	22.66	22.56	24.17	24.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	22.72	22.64	24.07	24.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1		22.90		24.50
		1	137		23.60		24.50
		1	271		23.16		24.50
	DFT-s-OFDM BPSK	135	0		23.31		24.50
		135	69		23.37		24.50
		135	138		23.57		24.50
	DFT-s-OFDM BPSK	270	0		23.36		24.50
	DFT-s-OFDM QPSK	1	1		22.75		24.50
		1	137		23.40		24.50
		1	271		23.08		24.50
	DFT-s-OFDM QPSK	135	0		23.28		24.50
		135	69		23.45		24.50
		135	138		23.71		24.50
	DFT-s-OFDM QPSK	270	0		23.61		24.50
	DFT-s-OFDM 16QAM	1	1		22.76		23.50
	DFT-s-OFDM 64QAM	1	1		22.71		23.00
	DFT-s-OFDM 256QAM	1	1		21.37		22.00
	CP-OFDM QPSK	1	1		23.49		23.50
	CP-OFDM 16QAM	1	1		23.41		23.50
	CP-OFDM 64QAM	1	1		22.11		22.50
	CP-OFDM 256QAM	1	1		18.89		20.00

N78-ANT8 Level1(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	22.03	21.62	22.81	23.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	21.48	21.66	22.37	23.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	21.87	21.90	22.66	23.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	21.61	21.58	22.53	23.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	22.03	21.63	22.65	23.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	21.98	21.76	22.30	23.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	21.55	21.85	22.75	23.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	21.75	21.74	22.55	23.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	21.63	21.44	22.51	23.00
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	22.20	/	23.00
		1	137	/	22.79	/	23.00
		1	271	/	21.97	/	23.00
	DFT-s-OFDM BPSK	135	0	/	22.19	/	23.00
		135	69	/	22.52	/	23.00
		135	138	/	22.69	/	23.00
	DFT-s-OFDM BPSK	270	0	/	22.28	/	23.00
	DFT-s-OFDM QPSK	1	1	/	21.53	/	23.00
		1	137	/	22.50	/	23.00
		1	271	/	22.19	/	23.00
	DFT-s-OFDM QPSK	135	0	/	22.48	/	23.00
		135	69	/	22.51	/	23.00
		135	138	/	22.39	/	23.00
	DFT-s-OFDM QPSK	270	0	/	22.54	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.27	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	22.59	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	21.55	/	22.00
	CP-OFDM QPSK	1	1	/	22.20	/	23.00
	CP-OFDM 16QAM	1	1	/	22.54	/	23.00
	CP-OFDM 64QAM	1	1	/	21.09	/	22.50
	CP-OFDM 256QAM	1	1	/	18.97	/	20.00

N78-ANT8 Level2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	22.87	22.63	23.99	24.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	22.65	22.68	24.00	24.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	22.71	22.97	24.10	24.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	22.90	22.63	23.89	24.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	22.74	22.80	23.95	24.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	22.80	22.68	23.94	24.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	22.55	22.69	24.22	24.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	22.66	22.56	24.17	24.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	22.72	22.64	24.07	24.50
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1		22.90		24.50
		1	137		23.60		24.50
		1	271		23.16		24.50
	DFT-s-OFDM BPSK	135	0		23.31		24.50
		135	69		23.37		24.50
		135	138		23.57		24.50
	DFT-s-OFDM BPSK	270	0		23.36		24.50
	DFT-s-OFDM QPSK	1	1		22.75		24.50
		1	137		23.40		24.50
		1	271		23.08		24.50
	DFT-s-OFDM QPSK	135	0		23.28		24.50
		135	69		23.45		24.50
		135	138		23.71		24.50
	DFT-s-OFDM QPSK	270	0		23.61		24.50
	DFT-s-OFDM 16QAM	1	1		22.76		23.50
	DFT-s-OFDM 64QAM	1	1		22.71		23.00
	DFT-s-OFDM 256QAM	1	1		21.37		22.00
	CP-OFDM QPSK	1	1		23.49		23.50
	CP-OFDM 16QAM	1	1		23.41		23.50
	CP-OFDM 64QAM	1	1		22.11		22.50
	CP-OFDM 256QAM	1	1		18.89		20.00

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Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB
		RB Size	RB offest	3705	3750	3795	
10	DFT-s-OFDM QPSK	1	1	20.80	20.67	21.67	22.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB
		RB Size	RB offest	3707.52	3750	3792.48	
15	DFT-s-OFDM QPSK	1	1	20.52	20.64	21.23	22.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB
		RB Size	RB offest	3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	20.81	20.86	21.83	22.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	652000	Tune-up power(dB
		RB Size	RB offest	3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	20.53	20.76	21.58	22.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	651666	Tune-up power(dB
		RB Size	RB offest	3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	20.95	20.55	21.40	22.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	651332	Tune-up power(dB
		RB Size	RB offest	3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	20.82	20.81	21.42	22.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	651000	Tune-up power(dB
		RB Size	RB offest	3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	20.60	20.52	21.58	22.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	650666	Tune-up power(dB
		RB Size	RB offest	3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	20.75	20.67	21.80	22.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	650332	Tune-up power(dB
		RB Size	RB offest	3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	20.79	20.55	21.36	22.00
Bandwidth (MHz)	Modulation	Channel			650000		Tune-up power(dB
		RB Size	RB offest		3750		
100	DFT-s-OFDM BPSK	1	1	/	20.97	/	22.00
		1	137	/	21.48	/	22.00
		1	271	/	21.08	/	22.00
	DFT-s-OFDM BPSK	135	0	/	21.07	/	22.00
		135	69	/	21.38	/	22.00
		135	138	/	21.61	/	22.00
	DFT-s-OFDM BPSK	270	0	/	21.29	/	22.00
	DFT-s-OFDM QPSK	1	1	/	20.61	/	22.00
		1	137	/	21.17	/	22.00
		1	271	/	21.02	/	22.00
	DFT-s-OFDM QPSK	135	0	/	21.49	/	22.00
		135	69	/	21.39	/	22.00
		135	138	/	21.43	/	22.00
	DFT-s-OFDM QPSK	270	0	/	21.45	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	20.86	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	20.86	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	20.41	/	22.00
	CP-OFDM QPSK	1	1	/	21.43	/	22.00
	CP-OFDM 16QAM	1	1	/	21.30	/	22.00
	CP-OFDM 64QAM	1	1	/	20.08	/	22.00
	CP-OFDM 256QAM	1	1	/	19.03	/	20.00